

CAREFULLY READ THIS COLLECTION OF INFORMATION AND LICENSE AGREEMENTS. BY CLICKING THE "ACCEPT" OR "AGREE" BUTTON, OR OTHERWISE ACCESSING, DOWNLOADING, INSTALLING OR USING THE SOFTWARE, YOU AGREE ON BEHALF OF LICENSEE TO BE BOUND BY THIS INFORMATION AND LICENSE AGREEMENTS (TO THE EXTENT APPLICABLE TO THE SPECIFIC SOFTWARE YOU OBTAIN AND THE SPECIFIC MANNER IN WHICH YOU USE SUCH SOFTWARE).

IF LICENSEE DOES NOT AGREE TO ALL OF THE INFORMATION AND LICENSE AGREEMENTS BELOW, DO NOT CLICK THE "ACCEPT" OR "AGREE" BUTTON OR ACCESS, DOWNLOAD, INSTALL OR USE THE SOFTWARE; AND IF LICENSEE HAS ALREADY OBTAINED THE SOFTWARE FROM AN AUTHORIZED SOURCE, PROMPTLY RETURN IT FOR A REFUND.

#### Part One: Overview.

The following information applies to certain items of third-party technology that are included along with certain Xilinx software tools.

Licensee's use of the GNU compilers (including associated libraries and utilities) may cause Licensee's software application (or board-support package) to be governed by certain third-party "open source" license agreements, as further described below. Licensee can avoid this result by using alternative compilers, libraries, and utilities of its own choosing in lieu of the GNU compilers (and associated libraries and utilities).

Note: Licensee is solely responsible for checking the header files and other accompanying source files of all software applications created from the use of the GNU compilers (and associated libraries and utilities) because such header and/or source files may contain or describe various copyright notices and license terms and conditions governing such files, which vary from case to case based on Licensee's usage and are beyond the control of Xilinx. This summary and the license information provided below is for reference purposes and is not intended to be a comprehensive list of all copyright notices or third-party license terms and conditions applicable to Xilinx software tools. Licensee is solely responsible for complying with the terms and conditions imposed by third parties as applicable to the Licensee's software applications created from the use of the GNU compilers (and associated libraries and utilities).

The remainder of this document is organized into various parts, as follows:

#### Part Two: Licensee Redistributable Content.

Index:  
Licenses and Notices:

Part Two contains a list of notices, licenses and/or other information related to certain items of third-party technology that Xilinx has identified and categorized as "Licensee Redistributable Content", which means that Xilinx has included this third-party technology with the Xilinx Software for the purpose of enabling a Xilinx customer to distribute it (or a portion of it, or a derivative form of it) as part of such customer's design or product.

#### Part Three: Other Third-Party Content.

Index:  
Licenses and Notices:

Part Three contains a list of additional notices, licenses and/or other information related to certain items of third-party technology other than as provided in Part Two. Please note that by listing certain items in this Part Three as opposed to Part Two above, Xilinx does not abrogate or diminish in any respect either its own obligations, or Licensee's rights (if and as may be applicable), with respect to the (present or future) distribution of such items. With respect to any license that requires Xilinx to make available to recipients of object code distributed by Xilinx pursuant to such license the corresponding source code, and if you desire to receive such source code from Xilinx, please refer to the Xilinx website at <https://www.xilinx.com/products/design-tools/guest-resources.html>. If you cannot access the internet to obtain a copy thereof, then Xilinx hereby offers (which offer is valid for as long as required by the applicable license; and we may charge you the cost thereof unless prohibited by the license) to provide you with a copy of such source code; and to accept such offer send a letter requesting such source code (please be specific by identifying the particular Xilinx Software you are inquiring

about (name and version number), to: Xilinx, Inc., Legal Department, Attention: Software Compliance Officer, 2100 Logic Drive, San Jose, CA U.S.A. 95124.

Part Four: Certain Third-Party Template Licenses.

Index:

Text of Template Licenses:

Part Five: Additional Acknowledgements.

Part Two: Licensee Redistributable Content.

Index:

bigdigits version 2.5.0a  
click version 7.0  
cpu\_cortexr5 version 1.4  
fatfS exFAT notice version Fatfs R0.13b  
fatfs version R0.13b  
ffmpeg version 1.2  
freertos version 10.0  
freertos version 10.1.1  
freertos version 10.3.0  
freertos version 8.2.0  
freertos version 9.0.1  
gcc for microblaze version 5.2.0  
gcc version 4.9.3  
gcc version 6.2.0  
glibc for microblaze version 2.20  
glibc version 2.21  
gmp version 4.3.2  
gnu-bash version 4.2  
ieee 754-based half-precision floating point library version 1.11.0  
ieee-1076.2-1996 version 1076.2-1996  
libmetal version 2018.3  
libmetal version 2020.1  
libremote-port version 2016.3  
libswresample version 1.1.100  
libxml2 version 2.7.8  
linux version 3.19  
lwip version 1.4.1  
lwip version 2.0.2  
mpc version 0.8.1  
mpfr version 2.4.2  
newlib for microblaze version 2.1  
openamp version 1.3  
openamp version 2018.3  
openamp version 2020.1  
openamp-rtos/baremetal version 1.0  
openamp\_echo\_test version 1.0

openamp\_matrix\_multiply version 1.0  
 openamp\_rpc\_demo version 1.0  
 Synopsys ASIP Programmer files version P-2019.03-TGT-200322  
 Synopsys DesignWare files version 2018.09  
 v4l utils version 1.6.2  
 virt\_console version 1.0  
 xfopencv version 2018.2  
 xfopencv version 2018.3

Licenses and Notices:

bigdigits version 2.5.0a  
 <<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Mozilla Public License, Version 2, a copy of which is made available below in Part Four of this document, applies to the above-listed file(s).

Copyright © 2001-2016 David Ireland, DI Management Services Pty Limited

click version 7.0  
 <<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright ?? 2014 by the Pallets team.

Some rights reserved.

Redistribution and use in source and binary forms of the software as well as documentation, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from





The copyright owner or contributors be NOT LIABLE for any damages caused by use of this software.

-----  
Therefore FatFs license is one of the BSD-style licenses but there is a significant feature. FatFs is mainly intended for embedded systems. In order to extend the usability for commercial products, the redistributions of FatFs in binary form, such as embedded code, binary library and any forms without source code, does not need to include about FatFs in the documentations. This is equivalent to the 1-clause BSD license. Of course FatFs is compatible with the most of open source software licenses including GNU GPL. When you redistribute the FatFs source code with any changes or create a fork, the license can also be changed to GNU GPL, BSD-style license or any open source software license that not conflict with FatFs license.

Copyright (C) 2014, 2016, 2017, 2018, ChaN, all right reserved.

```
#####
#
# Copyright (C) 2013 - 2018 Xilinx, Inc. All rights reserved.
#
# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to deal
# in the Software without restriction, including without limitation the rights
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the Software is
# furnished to do so, subject to the following conditions:
#
# The above copyright notice and this permission notice shall be included in
# all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
# XILINX BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
# WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
# OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
# SOFTWARE.
#
# Except as contained in this notice, the name of the Xilinx shall not be used
# in advertising or otherwise to promote the sale, use or other dealings in
# this Software without prior written authorization from Xilinx.
#
#####
```

ffmpeg version 1.2  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this

document, applies to the above-listed file(s).

Certain files:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, applies to the above-listed file(s).

-----

FFmpeg License

FFmpeg is licensed under the GNU Lesser General Public License (LGPL) version 2.1 or later.

However, FFmpeg incorporates several optional parts and optimizations that are covered by the GNU General Public License (GPL) version 2 or later.

If those parts get used the GPL applies to all of FFmpeg.

This file is part of FFmpeg. FFmpeg is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. FFmpeg is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with FFmpeg; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA / @file simple media prober based on the FFmpeg libraries /

Copyright 2000-2008 Intel Corp

Copyright 1995-2013 Mark Adler

Copyright 1995-2013 Jean-loup Gailly and Mark Adler

Copyright 2009 Willow Garage Inc

copyright 2001 Fabrice Bellard

Copyright 2012 Samuel Pitoiset

Copyright 2014 Tim Walker <tdskywalker@gmail.com>

Copyright 2009 Baptiste Coudurier <baptiste.coudurier@gmail.com>

Copyright 2012 Nicolas George

Copyright 2012 Martin Storsjo

Copyright 1995 The Bitmap Brothers Ltd

Copyright 2006 Ryan Martell. (rdm4@martellventures.com)

Copyright 2011 Sebastien Zwickert

Copyright 2013 Reimar D

Copyright 2011-2012 Smartjog S.A.S Cl

Copyright 2013-2014 Vittorio Giovara <vittorio.giovara@gmail.com>

Copyright 2007 Bobby Bingham

Copyright 2006-2007, 2011 Mans Rullgard

Copyright 2000-2003 Fabrice Bellard

Copyright 2014-2015 Supraja Meedinti

Copyright 2008-2009 Splitted-Desktop Systems

Copyright 2003 Ivan Kalvachev

Copyright 2009 Laurent Aimar

Copyright 2008 Peter Ross

Copyright 2006 Smartjog S.A.S Baptiste Coudurier <baptiste.coudurier@gmail.com>

Copyright 2011-2013 Michael Niedermayer (michaelni@gmx.at)

Copyright 2006 Reimar Doeffinger

Copyright 1992 Amazing Studio

Copyright 2012 Justin Ruggles <justin.ruggles@gmail.com>

Copyright 2008 Michael Niedermayer  
Copyright 2013 James Almer <jamrial@gmail.com>  
Copyright 2001-2012 Michael Niedermayer <michaelni@gmx.at>  
Copyright 2008 NVIDIA

freertos version 10.0

<<<<<<<<<xilinx-separator>>>>>>>>>>

Copyright (C) 2017 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Permission is hereby granted, free of charge, to any person obtaining a copy of  
this software and associated documentation files (the "Software"), to deal in  
the Software without restriction, including without limitation the rights to  
use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of  
the Software, and to permit persons to whom the Software is furnished to do so,  
subject to the following conditions:

The above copyright notice and this permission notice shall be included in all  
copies or substantial portions of the Software. If you wish to use our Amazon  
FreeRTOS name, please do so in a fair use way that does not cause confusion.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS  
FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR  
COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER  
IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN  
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2009-2014 Xilinx Inc  
Copyright 2017 Amazon.com Inc. or its affiliates

FreeRTOS version 10.1.1

<<<<<<<<xilinx-separator>>>>>>>>>>

Copyright (C) 2017 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Permission is hereby granted, free of charge, to any person obtaining a copy of







+ The independent modules add significant and primary functionality to FreeRTOS and do not merely extend the existing functionality already present in FreeRTOS.

## Clause 2:

FreeRTOS may not be used for any competitive or comparative purpose, including the publication of any form of run time or compile time metric, without the express permission of Real Time Engineers Ltd. (this is the norm within the industry and is intended to ensure information accuracy).

## Certain files:

For the avoidance of any doubt refer to the comment included at the top of each source and header file for license and copyright information.

This is a list of files for which Real Time Engineers Ltd are not the copyright owner and are **NOT COVERED BY THE GPL**.

- 1) Various header files provided by silicon manufacturers and tool vendors that define processor specific memory addresses and utility macros. Permission has been granted by the various copyright holders for these files to be included in the FreeRTOS download. Users must ensure license conditions are adhered to for any use other than compilation of the FreeRTOS demo applications.
- 2) The uIP TCP/IP stack the copyright of which is held by Adam Dunkels. Users must ensure the open source license conditions stated at the top of each uIP source file is understood and adhered to.
- 3) The lwIP TCP/IP stack the copyright of which is held by the Swedish Institute of Computer Science. Users must ensure the open source license conditions stated at the top of each lwIP source file is understood and adhered to.
- 4) Various peripheral driver source files and binaries provided by silicon manufacturers and tool vendors. Permission has been granted by the various copyright holders for these files to be included in the FreeRTOS download. Users must ensure license conditions are adhered to for any use other than compilation of the FreeRTOS demo applications.
- 5) The files contained within FreeRTOS\Demo\WizNET\_DEMO\_TERN\_186\tern\_code, which are slightly modified versions of code provided by and copyright to Tern Inc.

Errors and omissions should be reported to Richard Barry, contact details for whom can be obtained from <http://www.FreeRTOS.org>.





Copyright (C) 1998 Geoffrey Keating  
Copyright (C) 2012 Tlera Corp.  
Copyright (C) 2002, 2007 Bo Thorsen  
Copyright (C) 2013 Synopsys, Inc.  
Copyright (C) 2013 Miodrag Vallat  
Copyright (C) 2013 Imagination Technologies  
Copyright (C) 2012, 2013 Xilinx, Inc  
Copyright (C) 2013 Mentor Graphics  
Copyright (C) 2014 Sebastian Macke  
Copyright (C) 2013 Tensilica, Inc.  
Copyright (C) 1987, 1990, 1991, 2014 The Regents of the University of California  
Copyright (C) 2009 The Go Authors  
Copyright (C) 2003 World Wide Web Consortium, (Massachusetts Institute of  
Technology, Institut National de Recherche en Informatique et en Automatique,  
Keio University)  
Copyright (C) 2004 by Sun Microsystems, Inc.  
Copyright (C) 1991, 2000 by AT&T  
Copyright (C) 2000-2005 INRIA, France Telecom  
Copyright (C) 2004, Eugene Kuleshov  
Copyright (C) 2006 - Javolution  
Copyright (C) 1984, 1991, 2001 Stephen L. Moshier  
Copyright (C) Jeremy Siek 2000  
Copyright (C) 2002 Peter Dimov  
Copyright (C) 2004 Ami Tavory and Vladimir Dreizin  
Copyright (C) 2009-12-23 Paolo Carlini  
Copyright (C) 1995-2012 Jean-loup Gailly  
Copyright (C) 1995-2012 Mark Adler  
Copyright (C) 1998 by Andreas R. Kleinert  
Copyright (C) 2003 Chris Anderson  
Copyright (C) 1997 Christian Michelsen Research AS Advanced Computing  
Copyright (C) 1998-2005 Gilles Vollant  
Copyright (C) 2009-2010 Mathias Svensson  
Copyright (C) Even Rouault  
Copyright (C) 2001, Thai Open Source Software Center Ltd  
Copyright (C) 1997, 1998 by Microstar Software Ltd.  
Copyright (C) 1998 Axel Schreiner  
Copyright (C) 2004 Renesas Technology

#####

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

The following applies to certain parts of this program: Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL CYGNUS SOLUTIONS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The following applies to certain parts of this program: GNU Classpath is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

GNU Classpath is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with GNU Classpath; see the file COPYING. If not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

The following applies to certain parts of this program: the GCC Runtime Library Exception applies; see the file COPYING3. If not see <<http://www.gnu.org/licenses/>>.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [rescinded 22 July 1999]
4. Neither the name of the AUTHORS nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHORS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following applies to certain parts of this program: As a special exception to the GNU General Public License, if you distribute this file as part of a program that contains a configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

The following applies to certain parts of this program: Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

The following applies to certain parts of this program: Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.

The following applies to certain parts of this program: You are free to modify AElfred for your own use and to redistribute AElfred with your modifications, provided that the modifications are clearly documented. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of merchantability or fitness for a particular purpose. Please use it AT YOUR OWN RISK.

The following applies to certain parts of this program: International Business Machines, Inc. (hereinafter called IBM) grants permission under its copyrights to use, copy, modify, and distribute this Software with or without fee, provided that the above copyright notice and all paragraphs of this notice appear in all copies, and that the name of IBM not be used in connection with the marketing of any product incorporating the Software or modifications thereof, without specific, written prior permission. To the extent it has a right to do so, IBM grants an immunity from suit under its patents, if any, for the use, sale or manufacture of products to the extent that such products are used for performing Domain Name System dynamic updates in TCP/IP networks by means of the Software. No immunity is granted for any product per se or for any other function of any product. THE SOFTWARE IS PROVIDED "AS IS", AND IBM DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES.

The following applies to certain parts of this program: This work is distributed under the W3C(r) Software License [1] in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.



Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

**THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.**

**COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.**

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This version: <http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition

The following applies to certain parts of this program: Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. **THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

The following applies to certain parts of this program: For conditions of distribution and use, see copyright notice in zlib.h

The following applies to certain parts of this program: Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it

freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

The following applies to certain parts of this program: Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. The following applies to certain parts of this program: This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The following applies to certain parts of this program: the Boost Software License, Version 1.0. (See Part Four, below).

The following applies to certain parts of this program: Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified. **THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.** Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

The following applies to certain parts of this program:

You can redistribute it

and/or modify it under terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. It is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE**. As a special exception under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation. You should have received a copy of the GNU General Public License and a copy of the GCC



copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version. /

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

Copyright (C) 2000-2014 Free Software Foundation, Inc. This file is part of GCC. GCC is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. GCC is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation. You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>. /

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

The text of the GCC RUNTIME LIBRARY EXCEPTION Version 3.1 (31 March 2009), a copy of which is made available below in Part Four of this document, was originally presented here.

---

Copyright (C) 1999-2014 Free Software Foundation, Inc. This file is part of GCC. GCC is free software; you can redistribute it and/or modify it under the terms of the GNU library General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version. GCC is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU library General Public License for more details. You should have received a copy of the GNU library General Public License along with GCC; see the file COPYING3. If not see <<http://www.gnu.org/licenses/>>. /

The text of the GNU Lesser General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----

Copyright 1989, 1991, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2010 Free Software Foundation, Inc. Written by James Clark (jhc@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling Modified by Satish Pai (pai@apollo.hp.com) for HP demangling This file is part of the libiberty library. Libiberty is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. In addition to the permissions in the GNU Library General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file into combinations with other programs, and to distribute those combinations without any restriction coming from the use of this file. (The Library Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into a combined executable.) Libiberty is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with libiberty; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA. /

The text of the GNU Library General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

#### Copyright (C)

1997, 2002, 2005 Free Software Foundation, Inc. This file is part of the libiberty library. Contributed by Jean-François Bignolles <bignolle@ecoledoc.ibp.fr>, 1997. Libiberty is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. Libiberty is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. /

The text of the GNU Lesser General Public License, Version 2.1 (February 1999), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s)..

#####

Copyright (c) 2001, Thai Open Source Software Center Ltd All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the Thai Open Source Software Center Ltd nor the names of its contributors may be used to endorse or promote products derived from this

software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c)

2000-2005 INRIA, France Telecom All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 2004, Eugene Kuleshov All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 1983, 1992, 1993 The Regents of the University of California. All

rights reserved. Copyright (C) 2007-2014 Free Software Foundation, Inc. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C)

2013 Free Software Foundation, Inc. Written by Jakub Jelinek, Red Hat, Inc. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: (1) Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. (2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. (3) The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2009-2013, Intel Corporation All

rights reserved. @copyright Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

@copyright THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2012-2014

Free Software Foundation, Inc. Written by Ian Lance Taylor, Google.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: (1)

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. (2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. (3) The name of the author may not be used to endorse or

promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

The author of this software is David M. Gay. Copyright (c) 1991, 2006 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE. / Please send bug reports to David M. Gay  
AT&T Bell Laboratories, Room 2C-463 600 Mountain Avenue Murray Hill, NJ  
07974-2070 U.S.A. [dmg@research.att.com](mailto:dmg@research.att.com) or [research!dmg](mailto:research!dmg) /

Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing  
Fantoftvegen 38, 5036 BERGEN, Norway <http://www.cmr.no> Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Christian Michelsen Research AS makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. /

Copyright (C) 2003-2014 Free Software

Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along



with this program; see the file COPYING3. If not see  
<<http://www.gnu.org/licenses/>>. Copyright (C) 1991-2005 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder. /

Copyright (c) 1996-1997 Silicon Graphics Computer Systems, Inc. Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. Copyright (c) 2002 Hewlett-Packard Company Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. /

Copyright (c) 1994 Hewlett-Packard Company Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Copyright (c) 1996-1998 Silicon Graphics Computer Systems, Inc. Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.



Copyright (C) 1991, 2000 by AT&T  
Copyright (C) 2000-2005 INRIA, France Telecom  
Copyright (C) 2004, Eugene Kuleshov  
Copyright (C) 2006 - Javolution  
Copyright (C) 1984, 1991, 2001 Stephen L. Moshier  
Copyright (C) Jeremy Siek 2000  
Copyright (C) 2002 Peter Dimov  
Copyright (C) 2004 Ami Tavory and Vladimir Dreizin  
Copyright (C) 2009-12-23 Paolo Carlini  
Copyright (C) 1995-2012 Jean-loup Gailly  
Copyright (C) 1995-2012 Mark Adler  
Copyright (C) 1998 by Andreas R. Kleinert  
Copyright (C) 2003 Chris Anderson  
Copyright (C) 1997 Christian Michelsen Research AS Advanced Computing  
Copyright (C) 1998-2005 Gilles Vollant  
Copyright (C) 2009-2010 Mathias Svensson  
Copyright (C) Even Rouault  
Copyright (C) 2001, Thai Open Source Software Center Ltd  
Copyright (C) 1997, 1998 by Microstar Software Ltd.  
Copyright (C) 1998 Axel Schreiner  
Copyright (C) 2004 Renesas Technology  
Copyright (C) 1984 Professor W.M. Kahan

#####

Certain files:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s)

#####

Certain files:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#####

Certain files:

The text of the GNU GCC Runtime Library Exception, version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#####

Certain files:

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#####

The following applies to certain parts of this program: Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL CYGNUS SOLUTIONS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#####

The following applies to certain parts of this program: GNU Classpath is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

GNU Classpath is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with GNU Classpath; see the file COPYING. If not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

#####

The following applies to certain parts of this program: As a special exception to the GNU General Public License, if you

distribute this file as part of a program that contains a configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

#####

The following applies to certain parts of this program: Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

#####

The following applies to certain parts of this program: Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.

#####

The following applies to certain parts of this program: You are free to modify AElfred for your own use and to redistribute AElfred with your modifications, provided that the modifications are clearly documented. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of merchantability or fitness for a particular purpose. Please use it AT YOUR OWN RISK.

#####

The following applies to certain parts of this program: International Business Machines, Inc. (hereinafter called IBM) grants permission under its copyrights to use, copy, modify, and distribute this Software with or without fee, provided that the above copyright notice and all paragraphs of this notice appear in all copies, and that the name of IBM not be used in connection with the marketing of any product incorporating the Software or modifications thereof, without specific, written prior permission. To the extent it has a right to do so, IBM grants an immunity from suit under its patents, if any, for the use, sale or manufacture of products to the extent that such products are used for performing Domain Name System dynamic updates in TCP/IP networks by means of the Software. No immunity is granted for any product per se or for any other function of any product. THE SOFTWARE IS PROVIDED "AS IS", AND IBM DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES.

#####

The following applies to certain parts of this program: This work is distributed under the W3C(r) Software License [1] in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and

documentation or portions thereof, including modifications:

The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This version: <http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition

#####

The following applies to certain parts of this program: Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#####

The following applies to certain parts of this program: For conditions of distribution and use, see copyright notice in zlib.h

#####

The following applies to certain parts of this program: Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

#####

The following applies to certain parts of this program: Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. The following applies to certain parts of this program: This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

#####

The following applies to certain parts of this program: the Boost Software License, Version 1.0. (See Part Four, below).

#####

The following applies to certain parts of this program: Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

#####

The following applies to certain parts of this program:

You can redistribute it

and/or modify it under terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. It is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. As a special exception under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation. You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

#####

The following applies to certain parts of this program:

The following text was originally presented here, and as applicable applies to the above-listed file(s):

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of "The Computer Language Benchmarks Game" nor the name of "The Computer Language Shootout Benchmarks" nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

glibc for microblaze version 2.20

<<<<<<<<<xilinx-separator>>>>>>>>>>>>



Copyright (C) 1984, 1989-1990, 2000-2012 Free Software Foundation, Inc. This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Copyright (C) 2011-2014 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
Copyright (c) 2006, 2008 Junio C Hamano  
Copyright (C) 1991-2014 Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

-----  
Copyright (C) 1991-2014 Free Software Foundation, Inc. This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

-----  
Copyright (C) 1991-2014 Free Software Foundation, Inc. The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

-----  
Copyright (C) 2002-2014 Free Software Foundation, Inc. This program is free

software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

-----  
Copyright (C) 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are incorporated herein by permission of the author. The author reserves the right to distribute this material elsewhere under different copying permissions. These modifications are distributed here under the following terms: This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

-----  
Copyright 1984, 1991 by Stephen L. Moshier Adapted for glibc November, 2001 This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

-----  
The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
Copyright (c) 1989 Carnegie Mellon University. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. / FILEVERSION  
960926 NOTE TO MAINTAINERS: If you modify this file at all, please set the above  
date. if\_ppp.h is shipped with a PPP distribution as well as with the kernel; if  
everyone increases the FILEVERSION number above, then scripts can do the right  
thing when deciding whether to install a new if\_ppp.h file. Don't change the  
format of that line otherwise, so the installation script can recognize it. /

-----  
Copyright (c) 1987, 1988, 1989, 1990, 1991,1995, Carnegie Mellon University All Rights Reserved.  
Permission to use, copy, modify and distribute this software and its  
documentation is hereby granted, provided that both the copyright notice and  
this permission notice appear in all copies of the software, derivative works or  
modified versions, and any portions thereof, and that both notices appear in  
supporting documentation. CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN  
ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR  
ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE. Carnegie Mellon  
requests users of this software to return to Software Distribution Coordinator  
or Software.Distribution@CS.CMU.EDU School of Computer Science Carnegie Mellon  
University Pittsburgh PA 15213-3890 any improvements or extensions that they  
make and grant Carnegie Mellon the rights to redistribute these changes. /

-----  
Copyright (c) 2010, 2012, Oracle America, Inc. Redistribution and use in source and  
binary forms, with or without modification, are permitted provided that the  
following conditions are met: Redistributions of source code must retain the  
above copyright notice, this list of conditions and the following disclaimer.  
Redistributions in binary form must reproduce the above copyright notice, this  
list of conditions and the following disclaimer in the documentation and/or  
other materials provided with the distribution. Neither the name of the "Oracle  
America, Inc." nor the names of its contributors may be used to endorse or  
promote products derived from this software without specific prior written  
permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,  
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE  
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR  
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER  
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR  
TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF  
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright (C) 1993, 2011 by Sun Microsystems, Inc. All rights reserved. Developed at  
SunPro, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and  
distribute this software is freely granted, provided that this notice is freely granted,  
provided that this notice is preserved.

-----  
Copyright (c) 2000 - 2004, Intel Corporation All rights reserved. Contributed 2000  
by the Intel Numerics Group, Intel Corporation Redistribution and use in source  
and binary forms, with or without modification, are permitted provided that the

following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Intel Corporation is the author of this code, and requests that all problem reports or change requests be submitted to it directly at <http://www.intel.com/software/products/opensource/libraries/num.htm>.

-----

Copyright (c) 1995,1999 by Internet Software Consortium. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

-----

Copyright (C) The Internet Society (2003). All Rights Reserved. This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to The Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English. The limited permissions granted above are perpetual and will not be revoked by The Internet Society or its successors or assigns. This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. /

-----

Copyright (c) 1997-2003 University of Cambridge Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions: 1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. 2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England. somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/ should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently). 3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. 4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. End

-----

Copyright 1995 by Tom Lord All Rights Reserved Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----

Copyright (c) 1995 by International Business Machines, Inc. International Business Machines, Inc. (hereinafter called IBM) grants permission under its copyrights to use, copy, modify, and distribute this Software with or without fee, provided that the above copyright notice and all paragraphs of this notice appear in all copies, and that the name of IBM not be used in connection with the marketing of any product incorporating the Software or modifications thereof, without specific, written prior permission. To the extent it has a right to do so, IBM grants an immunity from suit under its patents, if any, for the use, sale or manufacture of products to the extent that such products are used for performing Domain Name System dynamic updates in TCP/IP networks by means of the Software. No immunity is granted for any product per se or for any other function of any product. THE SOFTWARE IS PROVIDED "AS IS", AND IBM DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR

PURPOSE. IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. /

-----

Copyright (c) 1980, 2011 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----

Copyright (c) 1982, 1986, 1993 The Regents of the University of California. All rights reserved. (c) UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----



this exception; this exception also makes it possible to release a modified version which carries forward this exception. The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, see <<http://www.gnu.org/licenses/>>. /

-----

Copyright (C) 1993-2015 Free Software Foundation, Inc. This file is part of the GNU C Library. Written by Ulrich Drepper <[drepper@cygnus.com](mailto:drepper@cygnus.com)>. Based on the single byte version by Per Bothner <[bothner@cygnus.com](mailto:bothner@cygnus.com)>. The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, see <<http://www.gnu.org/licenses/>>. As a special exception, if you link the code in this file with files compiled with a GNU compiler to produce an executable, that does not cause the resulting executable to be covered by the GNU Lesser General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU Lesser General Public License. This exception applies to code released by its copyright holders in files containing the exception. /

-----

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----

Copyright (c) 1993-2015 Free Software Foundation, Inc. This file is part of the GNU C Library. The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with the GNU C Library. /

-----

The text of the GNU Library General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----

Copyright (c) 2011-2015 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either Version 3, or (at your option) any later version. This program is distributed in the hope that it



will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, see <<http://www.gnu.org/licenses/>>. /

-----

Copyright (c) 1984, 1989-1990, 2000-2012 Free Software Foundation, Inc. This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either Version 3 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>. / As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work under terms of your choice, so long as that work isn't itself a parser generator using the skeleton or a modified version thereof as a parser skeleton. Alternatively, if you modify or redistribute the parser skeleton itself, you may (at your option) remove this special exception, which will cause the skeleton and the resulting Bison output files to be licensed under the GNU General Public License without this special exception. This special exception was added by the Free Software Foundation in version 2.2 of Bison. / C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser. / All symbols defined below should begin with yy or YY, to avoid infringing on user name space. This should be done even for local variables, as they might otherwise be expanded by user macros. There are some unavoidable exceptions within include files to define necessary library symbols; they are noted "INFRINGES ON USER NAME SPACE" below. / Identify Bison output. /

-----

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----

Copyright (c) 1990-2015 Free Software Foundation, Inc. This file is part of the GNU C Library. Contributed by Ulrich Drepper <[drepper@cygnus.com](mailto:drepper@cygnus.com)>, 1995. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, see <<http://www.gnu.org/licenses/>>. /

-----

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

-----  
All code incorporated from 4.4 BSD is distributed under the following license:

Copyright (C) 1980, 2011 Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [This condition was removed.]
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
The DNS resolver code, taken from BIND 4.9.5, is copyrighted by UC Berkeley, by Digital Equipment Corporation and by Internet Software Consortium. The DEC portions are under the following license:

Portions Copyright (C) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED ``AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION

WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----

The ISC portions are under the following license:

Portions Copyright (c) 1996-1999 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----

The Sun RPC support (from rpcsrc-4.0) is covered by the following license:

Copyright (c) 2010, Oracle America, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

The following CMU license covers some of the support code for Mach, derived from Mach 3.0:

Mach Operating System  
Copyright (C) 1991,1990,1989 Carnegie Mellon University  
All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS ``AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator  
School of Computer Science  
Carnegie Mellon University  
Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

-----

The file if\_ppp.h is under the following CMU license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

The following license covers the files from Intel's "Highly Optimized Mathematical Functions for Itanium" collection:

Intel License Agreement

Copyright (c) 2000, Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

-----

Copyright (c) 2000 - 2004, Intel Corporation All rights reserved. Contributed 2000 by the Intel Numerics Group, Intel Corporation Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission. **THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,**

PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Intel Corporation is the author of this code, and requests that all problem reports or change requests be submitted to it directly at <http://www.intel.com/software/products/opensource/libraries/num.htm>.

-----  
The files `inet/getnameinfo.c` and `sysdeps/posix/getaddrinfo.c` are copyright (C) by Craig Metz and are distributed under the following license:

/\* The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
1. All terms of the all other applicable copyrights and licenses must be followed.
2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
4. [The copyright holder has authorized the removal of this clause.]
5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author. \*/

-----  
The file `sunrpc/des_impl.c` is copyright Eric Young:

Copyright (C) 1992 Eric Young  
Collected from `libdes` and modified for SECURE RPC by Martin Kuck 1994  
This file is distributed under the terms of the GNU Lesser General Public License, version 2.1 or later - see the file `COPYING.LIB` for details.

If you did not receive a copy of the license with this program, please see <http://www.gnu.org/licenses/> to obtain a copy.

-----  
The libidn code is copyright Simon Josefsson, with portions copyright The Internet Society, Tom Tromej and Red Hat, Inc.:

Copyright (C) 2002, 2003, 2004, 2011 Simon Josefsson

This file is part of GNU Libidn.

GNU Libidn is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

GNU Libidn is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with GNU Libidn; if not, see <http://www.gnu.org/licenses/>.

-----  
The following notice applies to portions of libidn/nfkc.c:

This file contains functions from GLIB, including gutf8.c and gunidecomp.c, all licensed under LGPL and copyright hold by:

Copyright (C) 1999, 2000 Tom Tromej  
Copyright 2000 Red Hat, Inc.

-----  
The following applies to portions of libidn/punycode.c and libidn/punycode.h:

This file is derived from RFC 3492bis written by Adam M. Costello.

Disclaimer and license: Regarding this entire document or any portion of it (including the pseudocode and C code), the author makes no guarantees and is not responsible for any damage resulting from its use. The author grants irrevocable permission to anyone to use, modify, and distribute it in any way that does not diminish the rights of anyone else to use, modify, and distribute it, provided that redistributed derivative works do not contain misleading author or version information. Derivative works need not be licensed under similar terms.

-----  
Copyright (C) The Internet Society (2003). All Rights Reserved.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

-----

The file inet/rcmd.c is under a UCB copyright and the following:

Copyright (C) 1998 WIDE Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----



The file posix/runtests.c is copyright Tom Lord:

Copyright 1995 by Tom Lord

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----

The posix/rxspencer tests are copyright Henry Spencer:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

-----

The file posix/PCRE.tests is copyright University of Cambridge:

Copyright (c) 1997-2003 University of Cambridge

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

`ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/`

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

-----

Files from Sun fdlibm are copyright Sun Microsystems, Inc.:

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.

Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

-----

Part of stdio-common/tst-printf.c is copyright C E Chew:

(C) Copyright C E Chew

Feel free to copy, use and distribute this software provided:

1. you do not pretend that you wrote it
2. you leave this copyright notice intact.

Various long double libm functions are copyright Stephen L. Moshier:

Copyright 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <<http://www.gnu.org/licenses/>>. \*/

-----

```
<pre> @()europe 8.21
<pre> @()pacificnew 8.2
```

This file is in the public domain, so clarified as of 2009-05-17 by Arthur David Olson.

-----

Copyright (c) 1995 by International Business Machines, Inc. International Business Machines, Inc. (hereinafter called IBM) grants permission under its copyrights to use, copy, modify, and distribute this Software with or without fee, provided that the above copyright notice and all paragraphs of this notice appear in all copies, and that the name of IBM not be used in connection with the marketing of any product incorporating the Software or modifications thereof, without specific, written prior permission. To the extent it has a right to do so, IBM grants an immunity from suit under its patents, if any, for the use, sale or manufacture of products to the extent that such products are used for performing Domain Name System dynamic updates in TCP/IP networks by means of the Software. No immunity is granted for any product per se or for any other function of any product. **THE SOFTWARE IS PROVIDED "AS IS", AND IBM DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES. /**

-----















```
>>> config files
# Copyright (C) 1999, 2000, 2003, 2004, 2005, 2006, 2007, 2009 Free
# Software Foundation, Inc.

# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2, or (at your option)
# any later version.

# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License
# along with this program. If not, see <http://www.gnu.org/licenses/>.

# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# Originally written by Alexandre Oliva <oliva@dcc.unicamp.br>.
```

```
Copyright 2007, 2009-2016 Wind River Systems Inc. and others
Copyright &copy 1999-2 59) SAX.startElement
Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan
Copyright 1992-2010 Free Software Foundation Inc
Copyright 1986 International Organization for Standardization
Copyright (c) IPTC 2000
Copyright 1998, 2000-2001 Bjorn Reese and Daniel Stenberg
Copyright (c) 2007 2011 Wind River Systems Inc. All rights reserved. This program and the accompanying materials are
made available under the terms of the Eclipse Public License
Copyright 1998 Hewlett-Packard Co
Copyright 2000, 2003, 2005-2010, 2015 IBM Corp and others
Copyright 1999-2000 WAP Forum Ltd
  2000 GameSquad.net All Rights Reserved.
Copyright 1994 Wired Digital Inc
Copyright 1998-2003 Daniel Veillard
Copyright (C) 2000 Gary Pennington and Daniel Veillard.
Copyright 1998-1999 W3C
Copyright 1994 X Consortium
Copyright 2001 Bjorn Reese <breese@users.sourceforge.net>
Copyright 1947 ditions Gallimard. &rights
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant
(c) 2005 2015 jQuery Foundation Inc. jquery.org license
(c) 2005 2015 jQuery Foundation Inc. jquery.org license function
Copyright 1999 Microsoft Corp
Copyright 1986-2017 Xilinx Inc
Copyright 2000 Example.com
Copyright 1996-1997, 1999-2000, 2002-2006, 2008-2009 Free Software Foundation Inc. Originally by Fran cois Pinard
<pinard@iro.umontreal.ca>
Copyright (C) 2000 Bjorn Reese and Daniel Veillard.
Copyright 1999 Netscape Communications
```



genrtc/q40rtc driver / permission is hereby granted to copy, modify and redistribute this code in terms of the GNU Library General Public License, Version 2 or later, at your option. /

Copyright (C) 1997-2000

Richard Gooch Copyright (c) 2002 Patrick Mochel This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Copyright (C) 2009 Yinghai Lu This

library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA. /

Copyright (c) 1998 by Jaroslav Kysela

<perex@perex.cz> This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA /

Copyright (c) 2000 by Abramo Bagnara <abramo@alsa-

project.org> This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA /

Copyright (c) 2000 by Abramo Bagnara <abramo@alsa-project.org>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful,

but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA /

You may distribute this file under either of the two licenses that follow at your discretion. BLURB lgpl Coda File System Release 5 Copyright (c) 1987-1999 Carnegie Mellon University Additional copyrights listed below This code is distributed "AS IS" without warranty of any kind under the terms of the GNU Library General Public Licence Version 2, as shown in the file LICENSE, or under the license shown below. The technical and financial contributors to Coda are listed in the file CREDITS. Additional copyrights Coda: an Experimental Distributed File System Release 4.0 Copyright (c) 1987-1999 Carnegie Mellon University All Rights Reserved Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation, and that credit is given to Carnegie Mellon University in all documents and publicity pertaining to direct or indirect use of this code or its derivatives. CODA IS AN EXPERIMENTAL SOFTWARE SYSTEM AND IS KNOWN TO HAVE BUGS, SOME OF WHICH MAY HAVE SERIOUS CONSEQUENCES. CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING DIRECTLY OR INDIRECTLY FROM THE USE OF THIS SOFTWARE OR OF ANY DERIVATIVE WORK. Carnegie Mellon encourages users of this software to return any improvements or extensions that they make, and to grant Carnegie Mellon the rights to redistribute these changes without encumbrance. Based on cfs.h from Mach, but revamped for increased simplicity. Linux modifications by Peter Braam, Aug 1996 /

The text of the GNU Library General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

#####

Copyright (c)

1997, 1998, 1999 Justin T. Gibbs. Copyright (c) 1997, 1998 Kenneth D. Merry. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer, without modification, immediately at the beginning of the file. 2. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1991, 1993 The Regents of the University of California. All rights

reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1996-1999 Distributed Processing Technology Corporation All rights reserved. Redistribution and use in source form, with or without modification, are permitted provided that redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. This software is provided `as is' by Distributed Processing Technology and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are disclaimed. In no event shall Distributed Processing Technology be liable for any direct, indirect, incidental, special, exemplary or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruptions) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this driver software, even if advised of the possibility of such damage. /

Copyright (C) 2009 Red Hat, Inc. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Author: Lajos Molnar <molnar@ti.com> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the

following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2009-2011 Texas Instruments, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 2003-2010 Cavium Networks (support@cavium.com). All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Cavium Networks nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. This Software, including technical data, may be subject to U.S. export control laws, including the U.S. Export Administration Act and its associated regulations, and may be subject to export or import regulations in other countries. TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE SOFTWARE IS PROVIDED "AS IS" AND WITH ALL FAULTS AND CAVIUM NETWORKS MAKES NO PROMISES, REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE, WITH RESPECT TO THE SOFTWARE, INCLUDING ITS CONDITION, ITS CONFORMITY TO ANY REPRESENTATION OR

DESCRIPTION, OR THE EXISTENCE OF ANY LATENT OR PATENT DEFECTS, AND CAVIUM SPECIFICALLY DISCLAIMS ALL IMPLIED (IF ANY) WARRANTIES OF TITLE, MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR A PARTICULAR PURPOSE, LACK OF VIRUSES, ACCURACY OR COMPLETENESS, QUIET ENJOYMENT, QUIET POSSESSION OR CORRESPONDENCE TO DESCRIPTION. THE ENTIRE RISK ARISING OUT OF USE OR PERFORMANCE OF THE SOFTWARE LIES WITH YOU. /

Copyright (c) 1998-2003 InnoSys Incorporated. All Rights Reserved

This file is available under a BSD-style copyright Keyspan USB Async Message Formats for the USA19HS Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain this licence text without modification, this list of conditions, and the following disclaimer. The

following copyright notice must appear immediately at the beginning of all source files: Copyright (c) 1998-2003 InnoSys Incorporated. All Rights Reserved

This file is available under a BSD-style copyright 2. The name of InnoSys

Incorporated may not be used to endorse or promote products derived from this

software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY

INNOSYS CORP. ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT

NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR

CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF

THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2004-2005, 2007-2010 Trident Microsystems, Inc.

All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are

met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form

must reproduce the above copyright notice, this list of conditions and the

following disclaimer in the documentation and/or other materials provided with

the distribution. Neither the name of Trident Microsystems nor Hauppauge

Computer Works nor the names of its contributors may be used to endorse or

promote products derived from this software without specific prior written

permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR

SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER

CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR

TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF

THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2006-2011 Freescale Semiconductor, Inc. Redistribution and use in source and

binary forms, with or without modification, are permitted provided that the

following conditions are met: 1. Redistributions of source code must retain the

above copyright notice, this list of conditions and the following disclaimer. 2.

Redistributions in binary form must reproduce the above copyright notice, this

list of conditions and the following disclaimer in the documentation and/or

other materials provided with the distribution. 3. The name of the author may



not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2011-2012, Yann Collet. BSD

2-Clause License (<http://www.opensource.org/licenses/bsd-license.php>)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 2013, LG Electronics, Kyungsik

Lee <[kyungsik.lee@lge.com](mailto:kyungsik.lee@lge.com)> Based on LZ4 implementation by Yann Collet. LZ4 - Fast LZ compression algorithm Copyright (C) 2011-2012, Yann Collet. BSD 2-Clause License (<http://www.opensource.org/licenses/bsd-license.php>)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2009 Tobias Doerffel

<[tobias.doerffel@gmail.com](mailto:tobias.doerffel@gmail.com)> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must

retain the above copyright notice, this list of conditions and the following disclaimer, without modification. 2. Redistributions in binary form must reproduce at minimum a disclaimer similar to the "NO WARRANTY" disclaimer below ("Disclaimer") and any redistribution must be conditioned upon including a substantially similar Disclaimer requirement for further binary redistribution.

3. Neither the names of the above-listed copyright holders nor the names of any contributors may be used to endorse or promote products derived from this software without specific prior written permission. **NO WARRANTY THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. /**

Copyright (C) 2007-2008 Intel Corporation. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. **THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

Copyright (C) 2005 - 2011 Myricom, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of Myricom, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. **THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;**

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2005 Agere Systems Inc. All rights reserved. <http://www.agere.com>  
SOFTWARE LICENSE This software is provided subject to the following terms and

conditions, which you should read carefully before using the software. Using this software indicates your acceptance of these terms and conditions. If you do not agree with these terms and conditions, do not use the software. Copyright © 2005 Agere Systems Inc. All rights reserved. Redistribution and use in source or binary forms, with or without modifications, are permitted provided that the

following conditions are met: . Redistributions of source code must retain the above copyright notice, this list of conditions and the following Disclaimer as comments in the code as well as in the documentation and/or other materials provided with the distribution. . Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following Disclaimer in the documentation and/or other materials provided with the distribution. .

Neither the name of Agere Systems Inc. nor the names of the contributors may be used to endorse or promote products derived from this software without specific

prior written permission. Disclaimer THIS SOFTWARE IS PROVIDED "AS IS" AND ANY

EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, INFRINGEMENT AND THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. ANY USE, MODIFICATION OR DISTRIBUTION OF THIS SOFTWARE IS SOLELY AT THE USERS OWN RISK. IN NO EVENT SHALL AGERE SYSTEMS INC. OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, INCLUDING, BUT NOT LIMITED TO, CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 2002 The Regents of the University of Michigan. All rights reserved. Kendrick Smith <kmsmith@umich.edu> Andy Adamson <andros@umich.edu> Redistribution and use

in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must

retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to

endorse or promote products derived from this software without specific prior

written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR

IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

C) 1999 by Joshua M. Thompson

(funaho@jurai.org) Redistribution and use in source and binary forms, with or

without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice and this list of conditions. 2. Redistributions in binary form must reproduce the above copyright notice and this list of conditions in the documentation and/or other materials provided with the distribution. /

Copyright (c) 1995 Ted Lemon (hereinafter referred to as the author)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3.

The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 1994-2005 Axis Communications. All rights

reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Neither the name of Axis

Communications nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY AXIS COMMUNICATIONS AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL AXIS COMMUNICATIONS OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 1982, 1986 Regents of the University of California. All rights reserved. This code is derived from software contributed to Berkeley by Robert Elz at The University of Melbourne. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY

EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright IBM

Corp. 2007 Authors: Anthony Liguori <aliguori@us.ibm.com> This header is BSD licensed so anyone can use the definitions to implement compatible

drivers/servers. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this

software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL IBM OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) Red Hat, Inc., 2009,

2010, 2011 Copyright (C) Amit Shah <amit.shah@redhat.com>, 2009, 2010, 2011 / Redistribution and

use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written

permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL IBM OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2011, ARM Ltd. Based on Virtio PCI

driver by Anthony Liguori, copyright IBM Corp. 2007 This header is BSD licensed so anyone can use the definitions to implement compatible drivers/servers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3.

Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL IBM OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /**

Copyright(c) 2011 Texas Instruments, Inc.

Copyright(c) 2011 Google, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution. Neither the name Texas Instruments nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /**

Copyright (c) 2003, 2004 David Young. All rights reserved. Redistribution and

use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution. 3. The name of David Young may not be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY DAVID YOUNG ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL DAVID YOUNG BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;**

LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF

Copyright 2013 Kenneth MacKay

All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2002 - 2011 Tony Finch <dot@dotat.at> Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright by Hannu Savolainen 1993-1997 Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING

IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright © 2009 Keith Packard Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holders not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. The copyright holders make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THE COPYRIGHT HOLDERS DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

Copyright (c) 2005 ASPEED Technology Inc. Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the authors not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. The authors makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THE AUTHORS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

Copyright © 2006 Eric Anholt Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holders not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. The copyright holders make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THE COPYRIGHT HOLDERS DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

COPYRIGHT (c) 2008 The Regents of the University of Michigan ALL RIGHTS RESERVED  
Permission is granted to use, copy, create derivative works and redistribute this software and such derivative works for any purpose, so long as the name of The University of Michigan is not used in any advertising or publicity pertaining to the use of distribution of this software without specific, written



prior authorization. If the above copyright notice or any other identification of the University of Michigan is included in any copy of any portion of this software, then the disclaimer below must also be included. THIS SOFTWARE IS PROVIDED AS IS, WITHOUT REPRESENTATION FROM THE UNIVERSITY OF MICHIGAN AS TO ITS FITNESS FOR ANY PURPOSE, AND WITHOUT WARRANTY BY THE UNIVERSITY OF MICHIGAN OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REGENTS OF THE UNIVERSITY OF MICHIGAN SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WITH RESPECT TO ANY CLAIM ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE SOFTWARE, EVEN IF IT HAS BEEN OR IS HEREAFTER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. / Copyright (C) 1998 by the FundsXpress, INC. All rights reserved. Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting. WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. /

Copyright (c) 2000-2008 The Regents of the University of Michigan. All rights reserved. Andy Adamson <andros@umich.edu> Bruce Fields <bfields@umich.edu> / Copyright (C) 1998 by the FundsXpress, INC. All rights reserved. Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting. WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. /

Copyright (c) 2000 The Regents of the University of Michigan. All rights reserved. Andy Adamson <andros@umich.edu> / Copyright 1993 by OpenVision Technologies, Inc. Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of OpenVision not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OpenVision makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. OPENVISION DISCLAIMS ALL WARRANTIES WITH REGARD TO

THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPENVISION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

#### Copyright

1993 by OpenVision Technologies, Inc. Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of OpenVision not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OpenVision makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. OPENVISION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPENVISION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

#### lwip version 1.4.1

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

- \* Copyright (c) 2001-2004, Swedish Institute of Computer Science.
- \* All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the Institute nor the names of its contributors
- \* may be used to endorse or promote products derived from this software
- \* without specific prior written permission.

\*  
\* THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\* This file is part of the lwIP TCP/IP stack.

\* Author: Adam Dunkels <adam@sics.se>

Copyright 2002 CITEL Technologies Ltd  
Copyright 2001-2004 Leon Woestenberg <leon.woestenberg@axon.tv>  
Copyright 2001-2004 Swedish Institute of Computer Science  
Copyright 2007-2008 Advanced Micro Devices Inc  
Copyright 2002 The NetBSD Foundation Inc  
Copyright 2001-2004, 2006 Axon Digital Design B.V. The Netherlands  
Copyright 2002-2003 Adam Dunkels  
Copyright 2001-2004 Leon Woestenberg <leon.woestenberg@gmx.net>  
Copyright 2006 Marc Boucher Services Informatiques  
Copyright 2007 Dominik Spies <kontakt@dspies.de>  
Copyright 2007-2017 Xilinx Inc

/\*  
\* Copyright (c) 2001-2004 Swedish Institute of Computer Science.  
\* All rights reserved.

\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:

- \* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN

\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
 \* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
 \* OF SUCH DAMAGE.  
 \*  
 \* This file is part of the lwIP TCP/IP stack.  
 \*  
 \* Author: Adam Dunkels <adam@sics.se>  
 \*  
 \*/

Copyright 2002 CITEL Technologies Ltd  
 Copyright 2001-2004 Leon Woestenberg <leon.woestenberg@axon.tv>  
 Copyright 2001-2004 Swedish Institute of Computer Science  
 Copyright 2007-2008 Advanced Micro Devices Inc  
 Copyright 2002 The NetBSD Foundation Inc  
 Copyright 2001-2004, 2006 Axon Digital Design B.V. The Netherlands  
 Copyright 2002-2003 Adam Dunkels  
 Copyright 2001-2004 Leon Woestenberg <leon.woestenberg@gmx.net>  
 Copyright 2006 Marc Boucher Services Informatiques  
 Copyright 2007 Dominik Spies <kontakt@dspies.de>  
 Copyright 2007-2017 Xilinx Inc

lwip version 2.0.2

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

/\*  
 \* Copyright (c) 2001, 2002 Swedish Institute of Computer Science.  
 \* All rights reserved.  
 \*  
 \* Redistribution and use in source and binary forms, with or without modification,  
 \* are permitted provided that the following conditions are met:  
 \*  
 \* 1. Redistributions of source code must retain the above copyright notice,  
 \* this list of conditions and the following disclaimer.  
 \* 2. Redistributions in binary form must reproduce the above copyright notice,  
 \* this list of conditions and the following disclaimer in the documentation  
 \* and/or other materials provided with the distribution.  
 \* 3. The name of the author may not be used to endorse or promote products  
 \* derived from this software without specific prior written permission.  
 \*  
 \* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
 \* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
 \* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT

\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.

\* This file is part of the lwIP TCP/IP stack.

\* Author: Adam Dunkels <adam@sics.se>

\*/

Copyright 2002 CITEL Technologies Ltd  
Copyright 2001-2004 Swedish Institute of Computer Science  
Copyright 2007-2008 Advanced Micro Devices Inc  
Copyright 2002 The NetBSD Foundation Inc  
Copyright 2006 Marc Boucher Services Informatiques  
Copyright 2007-2017 Xilinx Inc

mpc version 0.8.1

<<<<<<<<<<xilinx-separator>>>>>>>>>>

Copyright (c) 2002, 2003, 2004, 2005, 2007, 2008, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2002, 2003, 2004, 2005, 2008, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2002, 2004, 2005, 2008, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2002, 2005, 2008, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2002, 2008, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2002, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2004, 2009 Patrick Pelissier, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2005, 2009 Andreas Enge, Philippe Th'evey  
Copyright (c) 2005, 2009 Marc Helbling, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2007, 2009 Andreas Enge, Philippe Th'evey  
Copyright (c) 2007, 2009 Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2008, 2009 Andreas Enge, Paul Zimmermann, Philippe Th'evey  
Copyright (c) 2008, 2009 Philippe Th'evey, Andreas Enge  
Copyright (c) 2008, 2009 Philippe Th'evey.  
Copyright (c) 2009 Andreas Enge  
Copyright (c) 2009 Paul Zimmermann  
Copyright (c) 2009 Philippe Th'evey  
Copyright (c) 2009 Philippe Th'evey, Paul Zimmermann  
Copyright (c) 2009 Philippe Th'evey, Paul Zimmermann, Andreas Enge

This file is part of the MPC Library.  
 The MPC Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. The MPC Library is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with the MPC Library; see the file **COPYING.LIB**. If not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA. /

-----

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----

mpfr version 2.4.2

<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>

Copyright 1991, 1992, 1993, 1994, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004, 2005  
 Free Software Foundation, Inc. This file is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This file is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this file; see the file **COPYING.LIB**. If not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

-----

Copyright 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 Free Software Foundation, Inc. Contributed by the **Arenaire** and **Cacao** projects, INRIA. This file is part of the GNU MPFR Library. The GNU MPFR Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. The GNU MPFR Library is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with the GNU MPFR Library; see the file **COPYING.LIB**. If not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

-----

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

newlib for microblaze version 2.1

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

--

Copyright (c) 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2010 Free Software Foundation  
COPYRIGHT 2005-2006 INNOVASIC SEMICONDUCTOR, ALL RIGHTS RESERVED.  
Copyright (c) 2006, 2008 Junio C Hamano

--

Copyright (c) 1990 - 1992, 1993, 1994, 1995, 1996, 1997 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

--

Copyright 1996-2003 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth

Floor, Boston, MA 02110-1301, USA. As a special exception to the GNU General Public License, if you distribute this file as part of a program that contains a Configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

--

Copyright (c) 1992-1996, 1998-2012 Free Software Foundation, Inc. This configure script is free software; the Free Software Foundation gives unlimited permission to copy, distribute and modify it. ----- M4sh Initialization.

----- Be more Bourne compatible

--

Copyright (c) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009 Free Software Foundation, Inc. This is free software; see the source for copying conditions. There is NO warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. GNU Libtool is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. As a special exception to the GNU General Public License, if you distribute this file as part of a program or library that is built using GNU Libtool, you may include this file under the same distribution terms that you use for the rest of that program. GNU Libtool is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with GNU Libtool; see the file COPYING. If not, a copy can be downloaded from <http://www.gnu.org/licenses/gpl.html>, or obtained by writing to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

--

Copyright (c) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)  
Copyright (c) 2006 CodeSourcery Inc  
Copyright (c) 2002 - 2012 Analog Devices, Inc.  
Copyright (c) 1995, 1996, 1997, 1998, 1999, 2000, 2001 2002 Cygnus Support  
Copyright (c) 1997 - 2008, 2011 Red Hat, Inc.  
Copyright (c) 1995 - 1998, 2000, Cygnus Solutions, A Red Hat Company  
Copyright (c) 2004, 2012 National Semiconductor Corporation  
Copyright (c) 2008 Anthony Green

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply. /

--

Copyright (c) 2011, 2012 Adapteva, Inc. All rights reserved.  
Copyright International Business Machines Corporation 1995, 2001, 2005, 2006, 2007, 2008, 2009 All rights reserved.  
Copyright 2007 Sony Corp. All rights reserved.  
Copyright 2007 TOSHIBA CORPORATION



Copyright (c) 2013 Andes Technology Corporation. All rights reserved.  
Copyright (c) 2010-2013, Linaro Limited All rights reserved.  
Copyright (c) 2009, 2010 CodeSourcery, Inc. All rights reserved.  
Copyright (c) 1995, 1996, 2002 Red Hat Incorporated. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. The name of Red Hat Incorporated may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL RED HAT INCORPORATED BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 1993 - 2005, 2007 Axis Communications. All rights reserved.  
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Neither the name of Axis Communications nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY AXIS COMMUNICATIONS AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL AXIS COMMUNICATIONS OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

--

Copyright (c) 2007 The NetBSD Foundation, Inc. All rights reserved. This code is derived from software written by Stephen L. Moshier. It is redistributed by the NetBSD Foundation by permission of the author.

--

Copyright (c) 2002-2004 Tim J. Robbins. All rights reserved.  
Copyright (c) 2003-2004, Artem B. Bitvuckiy  
Copyright (c) 2013 On-Line Applications Research Corporation. All rights reserved.  
Copyright (c) 1998, 2000 Brian Somers <brian@Awfulhak.org> All rights reserved.  
Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org> All rights reserved.  
Copyright (c) 1999,2000, Konstantin Chuguev. All rights reserved.  
Copyright (c) 2008, 2011 Ed Schouten <ed@FreeBSD.org> All rights reserved.

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org> All rights reserved.  
Copyright (c) 1998, M. Warner Losh <imp@freeBSD.org> All rights reserved.  
Copyright (c) 1999 Citrus Project, All rights reserved.  
Copyright (c) 2004 Stefan Farfeleder. All rights reserved.  
Copyright (c) 1999,2000,2001 Jonathan Lemon <jlemon@FreeBSD.org> All rights reserved.

Copyright (c) 2013 embedded brains GmbH. All rights reserved. embedded brains GmbH  
Dornierstr. 4 82178 Puchheim Germany <rtems@embedded-brains.de>

Copyright (c) 2000 Akamba Corp. All rights reserved.

Copyright (c) 1997 FreeBSD Inc. All rights reserved.

Copyright (c) 1997-2002 FreeBSD Project. All rights reserved.

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA,  
Kiev, Ukraine. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 1995, 1999 Berkeley Software Design, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions

of source code must retain the above copyright notice, this list of conditions and the following disclaimer. THIS SOFTWARE IS PROVIDED BY Berkeley Software Design, Inc. ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL Berkeley Software Design, Inc. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 1998, Larry Lile All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions

of source code must retain the above copyright notice unmodified, this list of Conditions, and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS"

AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 2011 Aeroflex Gaisler

Copyright (c) 2009 Charles S. Wilson

Permission is hereby granted, free of charge,

to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The

above copyright notice and this permission notice shall be included in all

Copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS

IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. /

--

Copyright (c) 2004, 2008, 2010 CodeSourcery, Inc. Permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies.

--

Copyright (c) 1993 by Digital Equipment Corporation. Permission to use, copy,

modify, and distribute this software for any purpose with or without fee is

hereby granted, provided that the above copyright notice and this permission

notice appear in all copies, and that the name of Digital Equipment Corporation

not be used in advertising or publicity pertaining to distribution of the

document or software without specific, written prior permission. THE SOFTWARE IS

PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH

REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY

SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER

RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT,

NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE

USE OR PERFORMANCE OF THIS SOFTWARE.

--

Copyright (c) 2001, 2002, 20072008, 2012 Hans-Peter Nilsson Permission to use, copy, modify, and

distribute this software is freely granted, provided that the above copyright

notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED

WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. /

--

Copyright (c) 1988, Julian Onions <jpo@cs.nott.ac.uk> Nottingham University 1987.

This source may be freely distributed, however I would be interested in any

Changes that are made.

--

Copyright (c) 1995-1999 by Internet Software Consortium. Permission to use, copy,

modify, and distribute this software for any purpose with or without fee is

hereby granted, provided that the above copyright notice and this permission

notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET

SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE

INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT

SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT,

OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,

DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS

ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS

SOFTWARE. /

--

COPYRIGHT (c) 1998 - 2010. On-Line Applications Research Corporation (OAR).

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this

software for any purpose without fee is hereby granted, provided that this

entire notice is included in all copies of any software which is or includes a

Copy or modification of this software and in all copies of the supporting

documentation for such software. THIS SOFTWARE IS BEING PROVIDED "AS IS",

WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR

AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE

MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE. /

--

Copyright (c) 1998 - 2001 by Lucent Technologies All rights reserved Permission to use,

Copy, modify, and distribute this software and its documentation for any purpose

and without fee is hereby granted, provided that the above copyright notice

appear in all copies and that both that the copyright notice and this permission

notice and warranty disclaimer appear in supporting documentation, and that the

name of Lucent or any of its entities not be used in advertising or publicity

pertaining to distribution of the software without specific, written prior

permission. LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,

INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT

SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR

CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA

OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS

ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS

SOFTWARE.

--

Copyright (c) 1984 - 1994, 1996, 1997 Sun Microsystems, Inc.

Sun RPC is a product of Sun Microsystems, Inc. and is provided for unrestricted use

Provided that this legend is included on all tape media and as a part of the software

program in whole or part. Users may copy or modify Sun RPC without charge, but

are not authorized to license or distribute it to anyone else except as part of

a product or program developed by the user. SUN RPC IS PROVIDED AS IS WITH NO

WARRANTIES OF ANY KIND INCLUDING THE WARRANTIES OF DESIGN, MERCHANTABILITY AND

FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, USAGE OR

TRADE PRACTICE. Sun RPC is provided with no support and without any obligation

on the part of Sun Microsystems, Inc. to assist in its use, correction,

modification or enhancement. SUN MICROSYSTEMS, INC. SHALL HAVE NO LIABILITY WITH RESPECT TO THE INFRINGEMENT OF COPYRIGHTS, TRADE SECRETS OR ANY PATENTS BY SUN RPC OR ANY PART THEREOF. In no event will Sun Microsystems, Inc. be liable for any lost revenue or profits or other special, indirect and consequential damages, even if Sun has been advised of the possibility of such damages. Sun Microsystems, Inc. 2550 Garcia Avenue Mountain View, California 94043

--

Copyright (c) 1984, Sun Microsystems, Inc. These routines interface XDRSTREAMS to a tcp/ip connection. There is a record marking layer between the xdr stream and the tcp transport level. A record is composed on one or more record fragments. A record fragment is a thirty-two bit header followed by n bytes of data, where n is contained in the header. The header is represented as a htonl(u\_long). The high order bit encodes whether or not the fragment is the last fragment of the record (1 > fragment is last, 0 > more fragments to follow. The other 31 bits encode the byte length of the fragment. /

--

Copyright (c) 2009, Sun Microsystems, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name of Sun Microsystems, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE cOPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE cOPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 1987, 1989, 1990, 1992, 1993, 2007 Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

--

Copyright (c) 1981, 1983, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 2000 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its Contributors. 4. Neither the name of the University nor the names of its Contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 1991, 1998, 2001 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. [rescinded 22 July 1999] 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

--

Copyright (c) 1983, 87, 1989, 1991, 1992, 1993, 1994 1988, 1993, 2006 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED

WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

--

Copyright (c) 1996, 1997 by Andrey A. Chernov, Moscow, Russia. All rights reserved.  
Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>. All rights reserved.

Redistribution and use in source and 1990 forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in 1990 form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 2011 by ARM Ltd. All rights reserved.  
Copyright (c) 1998, 2002, 2007, 2010, 2011 by Red Hat, Incorporated. All rights reserved.  
Copyright (c) 2004, 2005 by Ralf Corsepius, Ulm/Germany. All rights reserved.  
Copyright (c) 2012 by Peter Rosin. All rights reserved.  
Copyright (c) 2007, 2008, 2010 Eric Blake  
Copyright (c) 2005, 2007 Shaun Jackman  
Copyright (c) 2009 Edgar E. Iglesias.  
Copyright (c) 1993 by Sun Microsystems, Inc. All rights reserved. Developed at SunPro, a Sun Microsystems, Inc. business.

Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

--

Copyright (c) 1995 - 2001 WIDE Project. All rights reserved.  
Copyright (c) 1995, 2001, 2002, 2004, 2009 Xilinx, Inc. All rights reserved.  
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> All rights reserved.  
Copyright (c) 2001 Christopher G. Demetriou All rights reserved.  
Copyright (c) 1989 Carnegie Mellon University.  
Copyright (c) 2008, 2009, 2010, 2011, 2012, 2013 ARM Ltd. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source Code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above

copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

--

Copyright (C) 1996, 1998 XAVIER Leroy (Xavier.Leroy@inria.fr) // This program is free software; you can redistribute it and/or / modify it under the terms of the GNU Library General Public License / as published by the Free Software Foundation; either version 2 / of the License, or (at your option) any later version. // This program is distributed in the hope that it will be useful, / but WITHOUT ANY WARRANTY; without even the implied warranty of / MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the / GNU Library General Public License for more details. /

--

Copyright (C) 1988-2006, LEIF Ekblad This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

--

Copyright (c) 2000 Free Software Foundation, Inc. Contributed by Ulrich Drepper <drepper@redhat.com>, 2000. The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details. You should have received a copy of the GNU Library General Public License along with the GNU C Library; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA. /

--

Copyright (c) 2012 Adapteva, Inc. This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and Conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A Copy of this license is available at <http://www.opensource.org/licenses>. Any Red



Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

--

Copyright (c) 2012-2013 Red Hat, Inc. All rights reserved. This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

--

THIS SOFTWARE IS NOT COPYRIGHTED HP offers the following for use in the public domain. HP makes no warranty with regard to the software or it's performance and the user accepts the software "AS IS" with all faults. HP DISCLAIMS ANY WARRANTIES, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

--

Copyright (c) 1994 The Australian National University. All rights reserved. Permission to use, copy, modify, and distribute this software and its documentation is hereby granted, provided that the above copyright notice appears in all copies. This software is provided without any warranty, express or implied. The Australian National University makes no representations about the suitability of this software for any purpose. IN NO EVENT SHALL THE AUSTRALIAN NATIONAL UNIVERSITY BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE AUSTRALIAN NATIONAL UNIVERSITY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE AUSTRALIAN NATIONAL UNIVERSITY SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE AUSTRALIAN NATIONAL UNIVERSITY HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

--

Copyright 2001, 2006-2008, / International Business Machines Corporation, / Sony Computer Entertainment, Incorporated, / Toshiba Corporation, // All rights reserved. // Redistribution and use in source and binary forms, with or / without modification, are permitted provided that the / following conditions are met: / / - Redistributions of source code must retain the above copyright/ notice, this list of conditions and the following disclaimer. // - Redistributions in binary form must reproduce the above / copyright notice, this list of conditions and the following / disclaimer in the documentation and/or other materials / provided with the distribution. // - Neither the name of IBM Corporation nor the names of its / contributors may be used to endorse or promote products / derived from this software without specific prior written / permission. // THIS SOFTWARE IS PROVIDED BY THE cOPYRIGHT HOLDERS AND / CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, / INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF / MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE / DISCLAIMED. IN NO EVENT SHALL THE cOPYRIGHT OWNER OR / CONTRIBUTORS BE LIABLE

FOR ANY DIRECT, INDIRECT, INCIDENTAL, / SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT / NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; / LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) / HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN / CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR / OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, / EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

--

Copyright (c) 1993 DJ Delorie All rights reserved. Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

--

Copyright 2000, 2001, 2002, 2003 Broadcom Corporation. All rights reserved. This software is furnished under license and may be used and copied only in accordance With the following terms and conditions. Subject to these conditions, you may download, copy, install, use, modify and distribute modified or unmodified Copies of this software in source and/or binary form. No title or ownership is transferred hereby. 1) Any source code used, modified or distributed must reproduce and retain this copyright notice and list of conditions as they appear in the source file. 2) No right is granted to use any trade name, trademark, or logo of Broadcom Corporation. The "Broadcom Corporation" name may not be used to endorse or promote products derived from this software without the prior written permission of Broadcom Corporation. 3) THIS SOFTWARE IS PROVIDED "AS-IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT ARE DISCLAIMED. IN NO EVENT SHALL BROADCOM BE LIABLE FOR ANY DAMAGES WHATSOEVER, AND IN PARTICULAR, BROADCOM SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, /

--

Copyright (c) 1993 Martin Birgmeier All rights reserved. You may redistribute unmodified or modified versions of this source code provided that the above copyright notice and this and the following conditions are retained. This software is provided ``as is'', and comes with no warranties of any kind. I shall in no event be liable for anything that happens to anyone/anything when using this software.

--

Copyright (c) 1995 Matt Thomas (thomas@lkg.dec.com) All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright 1996, 1998 Massachusetts Institute of Technology Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that both the above copyright notice and this permission notice appear in all copies, that both the above copyright notice and this permission notice appear in all supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose.

It is provided "as is" without express or implied warranty. THIS SOFTWARE IS PROVIDED BY M.I.T. ``AS IS". M.I.T. DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL M.I.T. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--

Copyright (c) 1997, Joerg Wunsch. This software is distributed with NO WARRANTIES, not even the implied warranties for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. Authors grant any other persons or organizations permission to use or modify this software as long as this message is kept with the software, all derivative works or modified versions.

--

Copyright (c) 1995-1996 Jean-loup Gailly and Mark Adler This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

--

Copyright (c) 1994 Ugen J.S.Antsilevich Redistribution and use in source forms, with and without modification, are permitted provided that this entire comment appears intact. Redistribution in binary form may occur without any restrictions. Obviously, it would be nice if you gave credit where credit is due



AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2007 Rusty Russell IBM Corp  
(C) Copyright 2007-2013 Michal Simek  
Copyright 2002-2016 Xilinx Inc  
Copyright 2016 Freescale Semiconductor Inc  
Copyright (C) 1995-2010 Jean-loup Gailly detect  
Copyright 2011 Texas Instruments Inc  
Copyright 2012 Michal Simek <monstr@monstr.eu>  
Copyright 2012 Kim Phillips Freescale Semiconductor  
Copyright 2014 Mentor Graphics Corp  
(C) Copyright 2007-2012 PetaLogix Qld Pty Ltd  
Copyright 1995-2010 Jean-loup Gailly and Mark Adler  
Copyright 2011 Bryan Venteicher <bryanv@FreeBSD.org>  
Copyright 2011 Google Inc  
Copyright (c) 2010-2013 Mentor Graphics Inc.  
Copyright 2016 NXP Semiconductor Inc  
Copyright 1995-2010 Mark Adler  
Copyright (c) 2007-2010 CodeSourcery Inc.  
Copyright 1995-2010 Jean-loup Gailly  
Copyright 2016 NXP Inc  
Copyright 2006 David Gibson IBM Corp  
Copyright 2012 PetaLogix

openamp version 2018.3  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

```
/*
 * Copyright (c) 2014, Mentor Graphics Corporation
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice,
```

- \* this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.
- \* 3. Neither the name of Mentor Graphics Corporation nor the names of its  
\* contributors may be used to endorse or promote products derived from this  
\* software without specific prior written permission.
- \*  
\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"  
\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE  
\* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE  
\* POSSIBILITY OF SUCH DAMAGE.
- \*/

Copyright 2007 Rusty Russell IBM Corp  
Copyright 2016 Freescale Semiconductor Inc  
Copyright 2018 Linaro Inc  
Copyright 2015-2016, 2018 Xilinx Inc  
Copyright 2014 Mentor Graphics Corp

openamp version 2020.1  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Software License Agreement (BSD 3-Clause License)  
=====

Copyright (c) 2014, Mentor Graphics Corporation. All rights reserved.  
Copyright (c) 2015 - 2016 Xilinx, Inc. All rights reserved.  
Copyright (c) 2016 Freescale Semiconductor, Inc. All rights reserved

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,  
this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,  
this list of conditions and the following disclaimer in the documentation  
and/or other materials provided with the distribution.
3. Neither the name of <the copyright holder> nor the names of its contributors  
may be used to endorse or promote products derived from this software  
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BSD 2-Clause License

-----

Copyright (c) <year> <owner>. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2018-2019 Xilinx Ltd  
Copyright 2011 Bryan Venteicher <bryanv@FreeBSD.org>  
Copyright 2011 Google Inc  
Copyright (c) 2010-2013 Mentor Graphics Inc.  
Copyright 2010, 2015-2018 Xilinx Inc  
Copyright 2016 Freescale Semiconductor Inc  
Copyright 2011 Texas Instruments Inc  
Copyright 2018 Linaro Inc  
Copyright (c) 2007-2010 CodeSourcery Inc.  
Copyright 2014 Mentor Graphics Corp  
Copyright Rusty Russell IBM Corporation 2007

openamp-rtos/baremetal version 1.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>>

\* Copyright (c) 2014, Mentor Graphics Corporation

\* All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions are met:

\*

- \* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.
- \* 3. Neither the name of Mentor Graphics Corporation nor the names of its  
\* contributors may be used to endorse or promote products derived from this  
\* software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"  
\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE  
\* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE  
\* POSSIBILITY OF SUCH DAMAGE.

\*/

-----  
Copyright (C) 2015 Xilinx, Inc. All rights reserved. Permission is hereby granted,  
free of charge, to any person obtaining a copy of this software and associated  
documentation files (the "Software"), to deal in the Software without  
restriction, including without limitation the rights to use, copy, modify,  
merge, publish, distribute, sublicense, and/or sell copies of the Software, and  
to permit persons to whom the Software is furnished to do so, subject to the  
following conditions: The above copyright notice and this permission notice  
shall be included in all copies or substantial portions of the Software. Use of  
the Software is limited solely to applications: (a) running on a Xilinx device,  
or (b) that interact with a Xilinx device through a bus or interconnect. THE  
SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,  
INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A  
PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL XILINX BE LIABLE FOR  
ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT  
OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE  
USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the  
name of the Xilinx shall not be used in advertising or otherwise to promote the  
sale, use or other dealings in this Software without prior written authorization  
from Xilinx.

-----  
Copyright (c) 2014, Mentor Graphics Corporation All rights reserved.  
Copyright (C) 2015 Xilinx, Inc. All rights reserved. Redistribution and use in  
source and binary forms, with or without modification, are permitted provided  
that the following conditions are met: 1. Redistributions of source code must  
retain the above copyright notice, this list of conditions and the following  
disclaimer. 2. Redistributions in binary form must reproduce the above copyright  
notice, this list of conditions and the following disclaimer in the



documentation and/or other materials provided with the distribution. 3. Neither the name of Mentor Graphics Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 2011 Texas Instruments, Inc.

Copyright(c) 2011 Google, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name Texas

Instruments nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright (c) 2011, Bryan Venteicher <bryanv@FreeBSD.org> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice unmodified, this list of conditions, and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the

distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /



Xilinx.

Copyright (c) 2015 Xilinx, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of Mentor Graphics Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. / FILE NAME platform.c DESCRIPTION

openamp\_matrix\_multiply version 1.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (C) 2015 Xilinx, Inc. All rights reserved.  
Permission is hereby granted,  
free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. Use of the Software is limited solely to applications: (a) running on a Xilinx device, or (b) that interact with a Xilinx device through a bus or interconnect. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL XILINX BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the Xilinx shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from



OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of the Xilinx shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from Xilinx.

Copyright (c) 2014, Mentor Graphics Corporation  
All rights reserved.

Copyright (C) 2015 Xilinx, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Synopsys ASIP Programmer files version P-2019.03-TGT-200322  
<<<<<<<<<<<<xilinx-separator>>>>>>>>>>

The Synopsys ASIP Programmer and ASIP files are subject to the following End-User Software License and Maintenance Agreement, by accepting these terms and using such ASIP Programmer and ASIP files, (1) you agree to be bound by these terms, and (2) you acknowledge that Synopsys has no obligation to provide support to you in connection with your use of such ASIP Programmer and ASIP files.

## END-USER SOFTWARE LICENSE AND MAINTENANCE AGREEMENT

### TERMS AND CONDITIONS

This agreement covers the products and services you license (or purchase) from Synopsys, unless and until we enter into a new agreement that expressly replaces this one. If you use the Synopsys products and services as an employee of or for the benefit of your company, you represent that you have the power and authority to accept this agreement on behalf of your company. Your company will be the licensee under this agreement. By clicking on the "Accept" button of this agreement, or by downloading, installing or using the Synopsys products or services, you consent to the terms and conditions of this

agreement on behalf of yourself and the company on whose behalf you will use the Synopsys products and services provided under this agreement. The effective date of this agreement is the date that you first download, install or use the Synopsys products or services. If you do not agree to the terms and conditions of this agreement or if you do not have the power and authority to accept the terms and conditions of this agreement on behalf of your company, you may not use the Synopsys products and services and Synopsys is unwilling to provide you with them.

## Products and Services

1.1. The Synopsys products and services that you may license or purchase under this agreement are identified in the Purchasing Agreements that you and Synopsys enter into from time to time under this agreement. These products and services may include (but are not limited to):

- (a) DesignWare, which means any software products (including Implementation IP and Verification IP), other than DesignWare Fee-Per-Use Cores, marketed by Synopsys under the brand name “DesignWare”.
- (b) Licensed Software, which means a Synopsys software product other than DesignWare and DesignWare Fee-Per-Use Cores.
- (c) Maintenance Services, which means the software maintenance and support services described in section 5.
- (d) Training Services, which means education in the use of Synopsys software products through standard curriculum educational services courses.

1.2. The term “Licensed Products” means Licensed Software and DesignWare.

1.3. Additional terms and conditions (beyond those stated here and in any attached supplements) may apply to certain Licensed Products. When ordering these Licensed Products, you will be given an opportunity to review the additional terms and conditions that must be accepted for you to receive the Licensed Products. If the additional terms and conditions conflict in any way with the terms and conditions stated here, the additional terms and conditions will prevail.

## Licenses

1.4. Your License Rights: When you purchase a license (other than an evaluation license) to a Licensed Product, upon its delivery you will have a nonexclusive right to:

- (a) install the Licensed Product on one or more computers;
- (b) install the License Key for the Licensed Product on the computer specifically identified in the License Key;
- (c) allow your End Users to use the Licensed Product and Design Techniques, during the License Term, solely for the purpose of creating, modifying, and simulating your own Designs (in the case of DesignWare, this includes validating, testing, and simulating Designs, electronic circuits and devices);
- (d) in the case of DesignWare, share Design Databases with a Licensed Design Partner only to allow the Licensed Design Partner to work cooperatively on your Design to the extent permitted by its own DesignWare license (but not sublicense or assign any of your rights in the DesignWare to such Licensed Design Partner);
- (e) in the case of ARC Software Development Products, use this Licensed Product, during the License Term, solely for the purpose of creating, debugging, and profiling executable software source code for execution on a System-on-Chip with an embedded ARC microprocessor or on a model of such System-on-Chip;
- (f) in the case of ARC MQX Products, until you discontinue the sale and distribution of the applicable ARC MQX Licensee Products, use the ARC MQX Products to (i) customize the Board Support Package Features in the ARC MQX Product solely as necessary for use with your ARC MQX Licensee Product; (ii) create and support an ARC MQX Licensee Executable; (iii) if you have purchased a license to the “closed system license” version of an ARC MQX Product, then you may distribute, solely in or with an ARC MQX Licensee Product, an ARC MQX Licensee Executable that does not expose, directly or indirectly, any APIs of the ARC MQX Product; and (iv) if you have purchased a license to the “binary” version of an ARC MQX Product, then you may additionally distribute to ARC MQX End Customers only that portion of the Documentation necessary for ARC MQX End Customers to access the APIs, provided that such ARC MQX End Customers are obligated not to expose any of the APIs to their customers or any other third parties.
- (g) make a reasonable number of copies of the Licensed Product solely for backup or archival purposes; and
- (h) make a reasonable number of copies of the Documentation for the Licensed Product, and use the Documentation solely to support your use of the Licensed Product.

1.5. Implementation IP License: In addition, when you are granted a license to any Implementation IP, you will have a nonexclusive right to:

- (a) integrate the Implementation IP into your Designs to create one or more Integrated Designs;
- (b) make, use, and sell physical implementations (commonly referred to as semiconductor chips) of one or more of the Integrated Designs;
- (c) distribute the Implementation IP in netlist or GDSII format as part of any of your Integrated Designs to any third party that provides foundry services to you, solely for the purpose of having that foundry make physical implementations of one or more

of entire Integrated Designs of yours, as long as the third-party foundry is subject to confidentiality obligations regarding the Implementation IP that are no less restrictive than the confidentiality obligations in this agreement; and

(d) if you purchased from Synopsys the right to use certain Implementation IP in source code format, you may modify that Implementation IP in support of your development of Integrated Designs.

1.6. Node-Locked License. If you have obtained the Licensed Product under a node-locked license, then a “node” refers to a specific machine and the License Product may be installed only on the number of nodes indicated on the applicable Synopsys Purchasing Agreement, must be used only on the node(s) on which it is installed, and may be accessed only by users who are physically present at that node. Further, a node-locked license may only be used by one (1) user at a time running one (1) instance of the Licensed Product at a time.

1.7. Evaluation Licenses: If you obtain an evaluation license for a Licensed Product, you will have the same license rights as described above except that you may use the Licensed Product only for the purpose of evaluating it and deciding whether to purchase a license to use it for production purposes. You shall not use the Licensed Product to design any integrated circuits for production or pre-production purposes or any other commercial use including, but not limited to, for the benefit of your customers. If you breach the forgoing restrictions, then you shall pay to Synopsys a license fee equal to Synopsys’s perpetual list price plus maintenance for the commercial version of the Licensed Product. You agree that damages for such a breach would be difficult to assess, and such payment represents a reasonable assessment of the potential damage to Synopsys. You recognized and agree that this amount is a reasonable, liquidated amount and not a penalty. Also, evaluation copies of Licensed Products are provided “AS IS”. Therefore the warranty and indemnification provisions in this agreement do not apply to evaluation licenses.

1.8. End Users: You may designate any of your employees whose primary work location is in the designated Use Area as End Users.

1.9. Use Area; Telecommuting Employees; Use Over a WAN: You must ensure that your End Users use the Licensed Product only when they are in the designated Use Area, except that any End User who is your employee, whose primary work location is in the designated Use Area, and whose primary residence is within 50 miles of the designated Use Area, may access the Licensed Product from his primary residence through a secure network that requires a secure ID card or other more protective security safeguards. If you have purchased the right to use a Licensed Product over your wide area network (commonly referred to as a “WAN”), then unless the Purchasing Agreement states otherwise, the Licensed Product may be used by your End Users who are located at any of your facilities worldwide (if you purchased the right to use over a global WAN) or at any of your facilities on the same continent on which your Key Server is located (if you purchased the right to use over a continental WAN). This section 2.6 does not apply to Licensed Products obtained under a node-locked license as referenced in section 2.3.

1.10. Key Servers; Hardware Relocation: You may not permanently relocate a Key Server outside of the designated Use Area without obtaining written approval from Synopsys. If a Key Server becomes inoperative due to malfunction, repair, or maintenance, you may request Synopsys’s permission to set up and temporarily use a single back-up Key Server on another computer in the same Use Area until the original Key Server returns to service.

1.11. Conditions: Your right to use the Licensed Product is conditioned upon your timely payment of the full amount of Fees due for the Licensed Product and your compliance with the terms and conditions of this agreement. When the License Term expires, your license rights also expire and you may no longer use the Licensed Product.

1.12. Restrictions: You may not (and may not allow anyone else to):

- (a) copy or use any Licensed Product (or Documentation) in any manner that is not expressly allowed by the license rights stated above;
- (b) decompile, reverse engineer, or otherwise attempt to derive the source code for any Licensed Product or any underlying algorithms, user interface techniques, or other ideas embodied in a Licensed Product;
- (c) tamper with, or attempt to circumvent or disable, any License Key (this includes, for example, resetting the CPU time in order to extend the License Term, or using a false host ID number or additional virtualized copy(ies) of the host ID number to enable unauthorized copies of a License Key);
- (d) distribute any copy of a Licensed Product (or Documentation) except as expressly allowed by the license rights stated above, or allow anyone other than your End Users to have access to or use (such as in a timesharing, service bureau, or application service provider model) any Licensed Product;
- (e) use a Licensed Product (except ARC MQX Products) or its output to create, modify, or simulate Designs for third parties;
- (f) use a Licensed Product or its output to develop or enhance any product that competes with a Synopsys product;
- (g) modify or create a derivative work of any part of a Licensed Product or Documentation;
- (h) disclose the results of any benchmarking of a Licensed Product (whether or not the results were obtained with assistance from Synopsys) to any third party; or
- (i) use a Licensed Product in the development of any product if the failure or malfunction of that product could reasonably be expected to result in personal injury, death, or catastrophic loss.

If the License Key limits the number of End Users who may use a Licensed Product simultaneously or the number of simultaneous Clients, you must ensure that this limit is not exceeded, by platform virtualization or any other means.

1.13. Copies: If you make backup or archival copies of a Licensed Product or Documentation, you must reproduce all copyright, trademark, and other notices that appear on the original copy.

1.14. Transfers and Assignments: You may not transfer or assign your license rights to any other person in any manner (by assignment, operation of law or otherwise) unless you have obtained written consent from Synopsys. If you attempt to transfer or assign any of your license rights without Synopsys's consent, the transfer or assignment will be ineffective, null, and void (and you will be in material breach of this agreement). For purposes of this section 2.11, a transfer or assignment of your license rights will be deemed to have occurred (a) if a third party (or group of third parties acting in concert) acquires beneficial ownership of fifty percent (50%) or more of either (i) your or a Parent Entity's assets or (ii) the stock or other equity interests entitled to vote for your or a Parent Entity's directors or equivalent managing authority, or (b) in the event of a merger, consolidation or other business combination between you or a Parent Entity and one or more third parties where your or a Parent Entity's stockholders immediately before that transaction own (directly or indirectly), after that transaction, less than fifty percent (50%) of the stock or other equity interests entitled to vote for the directors or equivalent managing authority of the surviving entity.

1.15. Open Source Software: The Licensed Product may be delivered with software that is subject to open source licensing terms ("Open Source Software"), which terms are available upon request. Certain Open Source Software licenses require that source code be made available upon request. Licensee may request a copy of such source code by post to Synopsys at: Synopsys, Inc., Attention: Open Source Software Requests, 690 East Middlefield Road, Mountain View, California 94043, USA. Licensee agrees that all Open Source Software shall be and shall remain subject to the terms and conditions under which it is provided. The Open Source Software is provided "AS IS," WITHOUT ANY WARRANTY OF ANY KIND, AND SYNOPSYS FURTHER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO OPEN SOURCE SOFTWARE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NEITHER SYNOPSYS NOR THE LICENSORS OF OPEN SOURCE SOFTWARE SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE OPEN SOURCE SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Copyrights to the Open Source Software are held by the copyright holders indicated in the copyright notices in the corresponding source files.

#### Order and Delivery

1.16. Ordering Synopsys Products: You may order the products and services identified in the Purchasing Agreements at any time by submitting an order to Synopsys through Synopsys's on-line ordering system or as otherwise directed by Synopsys. When using Synopsys's on-line ordering system, you shall be responsible for ensuring that all information you provide is accurate and complete and that any person placing an order on your behalf has your authority to do so. Once you submit an order, you may not cancel or change it. Your order must indicate which products and services you want to purchase (including, in the case of Licensed Products, the type of license, the quantity, the License Term or in the case of ARC MQX Products the applicable ARC MQX Licensee Product, the location(s) of your facility(ies) where the Licensed Products may be used (we may refer to this as the "Authorized Sites" in a Purchasing Agreement), and any other information Synopsys would need to fulfill your order (including any information needed to generate a License Key). Synopsys may, in its reasonable discretion, accept or reject your order. Synopsys may accept your order by sending you written or electronic notice of acceptance or simply by fulfilling your order.

1.17. Delivery: If Synopsys accepts your order for one or more Licensed Products, Synopsys will then deliver to you the Licensed Products along with the corresponding Documentation and License Keys. Synopsys will deliver these materials to you electronically except where prohibited by law.

1.18. Electronic Software Transfer: When Synopsys delivers a Licensed Product by electronic software transfer, Synopsys will send you an e-mail to your designated e-mail address(es) to notify you that the Licensed Product is available. Synopsys's obligation to deliver the Licensed Product will be fulfilled when this e-mail notice is sent. You will be responsible for downloading or requesting for delivery the Licensed Product and Documentation from the FTP Server and the License Key from Synopsys's website at [www.synopsys.com](http://www.synopsys.com), unless Synopsys gives you other instructions. You must notify Synopsys in writing if you change your designated e-mail address(es).

1.19. Tangible Media: When Synopsys delivers Licensed Products to you on tangible media, the media may contain other software programs in addition to the Licensed Products. If it does, you will not have a license to use (and the License Keys for the Licensed Products will not permit you to use) these other software programs, and you must not attempt to access, use, reproduce, modify, reverse engineer, or otherwise tamper with these other software programs. If you lose or damage the



media, Synopsys will, at your request, provide a replacement at a nominal charge. All deliveries of tangible items by Synopsys, Inc. will be made F.O.B. Origin; all deliveries of tangible items by other Synopsys entities will be made Ex Works (EXW) Origin.

#### Fees and Payment

1.20. Fees: The Fees for the products and services you may purchase under this agreement will be identified in the Purchasing Agreements. You agree to pay the Fees according to the payment terms in the applicable Purchasing Agreement.

1.21. Payments: If the applicable Purchasing Agreement does not contain specific payment terms for the Fees in question, payment of those Fees will be due within 30 days after the date of Synopsys's invoice. If you do not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of License Keys and/or terminate this agreement or a Purchasing Agreement and accelerate the due date of all remaining payments. In this event, you will owe the entire outstanding balance as soon as you receive written notice from Synopsys that your payment is due. All payments you make to Synopsys are non-refundable. You may not offset any amounts you believe Synopsys owes you against any payments you make to Synopsys under this agreement. You must make payments in U.S. dollars. If you do not pay an amount by the due date, you must also pay a late payment charge of 1.5% per month or the highest rate permitted by law, whichever is less.

1.22. Taxes: You will be solely responsible for paying all taxes (including sales, use, consumption, withholding, and value-added taxes and similar taxes), other than Synopsys's income taxes, that are imposed on or result from your purchase, license, or use of Synopsys products and services. If Synopsys is required by law to collect and remit any such taxes, Synopsys may invoice you for such taxes and you agree to pay the invoiced amount to Synopsys. If you are required by the respective jurisdiction where the Licensed Products are used, or where services are provided, to withhold taxes from payments to Synopsys, you may withhold from the total amount due to the respective Synopsys distributing entity the minimum amount required (but no more). You may only withhold taxes related to a payment at the time of such payment. You must then promptly pay that amount to the appropriate tax authority and provide Synopsys with an official receipt for the payment within 60 days of your payment.

1.23. Bankruptcy: If you become the subject of any bankruptcy, dissolution, liquidation, or similar proceedings or make a general assignment for the benefit of your creditors, Synopsys may apply any payments you have previously made to Synopsys for products or services not yet delivered by Synopsys against any amounts you owe Synopsys at that time for products or services that have been delivered by Synopsys (under this agreement or otherwise).

#### Services

1.24. Maintenance Services: Maintenance Services consist of the following:

(a) Support: Synopsys will provide you with access to SolvNet and online Documentation, and will use commercially reasonable efforts to make available the Synopsys Support Center on Monday through Friday, during Synopsys's normal business hours, excluding Synopsys's scheduled holidays. A valid corporate email address is required to access SolvNet and online Documentation.

(b) Updates: Synopsys will use commercially reasonable efforts to provide Updates as they become generally available. Any other upgrades or enhancements to the Licensed Products are not made available by Synopsys as part of Maintenance Services and may be subject to additional charges.

1.25. Updates to Terms: Synopsys may update its Maintenance Services terms on 60 days prior written notice, provided that these updates are applied generally to its Maintenance Services customers.

1.26. Conditions: In order to receive Maintenance Services for a Licensed Product, all of the following conditions must be met:

(a) you must have purchased Maintenance Services for such Licensed Product (unless it is licensed under a TSL, in which case Maintenance Services are included);

(b) you must appoint a qualified contact person trained in the use of the Licensed Product to interface with Synopsys regarding Maintenance Services, and identify such person to Synopsys in advance;

(c) you must provide Synopsys with access to the information and system facilities reasonably necessary to provide the Maintenance Services;

(d) you must follow the directions provided by the Synopsys Support Center to resolve technical problems;

(e) you must follow the operating instructions and procedures for the Licensed Product as specified in the Documentation or provided by Synopsys; and

(f) you must notify Synopsys of any error or other problem in the Licensed Product using Synopsys's current problem reporting procedure.

1.27. Exclusions: Synopsys will have no obligation to provide Maintenance Services for any Licensed Products that are damaged, modified (by anyone other than Synopsys), incorporated into other software, or installed in any computing environment not supported by Synopsys; or for any version of a Licensed Product other than the latest and immediately preceding version; or for any problems caused by your negligence, abuse, misuse, or by any causes beyond Synopsys's reasonable control.

1.28. Reinstatement of Maintenance Services: If Maintenance Services are terminated for any reason, or if you wish to renew Maintenance Services more than thirty (30) days after Maintenance Services have been terminated, you may be permitted to reinstate or renew Maintenance Services, at Synopsys's sole option, provided that (a) Synopsys offers Maintenance Services to its customers generally for the Licensed Product in question, and (b) you pay Synopsys the following: all applicable Maintenance Services fees for the period during which you were off Maintenance Services, and Synopsys's then-current reinstatement fee plus payment for the new Maintenance Services term.

1.29. ViewConnect: If you wish to permit Synopsys to deliver Maintenance Services through the use of a shared customer desktop, you must download and install the ViewConnect Tool and related publicly-available, third-party software modules. You are not required to use the ViewConnect Tool, but if you choose to do so, you have the nonexclusive right to use the ViewConnect Tool only to enable Synopsys to remotely access your computer system for the purpose of providing Maintenance Services. Your rights to the third-party software modules are separately described in their accompanying license terms. The ViewConnect Tool and the third-party software modules are not Licensed Products nor is their use governed by this agreement.

5.7. Training Services: Synopsys offers Training Services, which may be purchased and ordered through the online registration system found at [www.synopsys.com](http://www.synopsys.com).

#### Confidentiality

1.30. Confidentiality Obligations: Each party (you and Synopsys) agrees to abide by the following confidentiality obligations with respect to the other party's Confidential Information:

(a) do not disclose it to any third party unless (i) the other party has given its specific and express prior written approval, (ii) the disclosure is expressly allowed under this agreement, or (iii) the disclosure is necessary to comply with a valid court order or subpoena;

(b) do not use it for any reason other than to exercise its rights and perform its obligation under this agreement; and

(c) protect it from unauthorized dissemination in the same manner as that party protects its own Confidential Information, and in any event with reasonable precautions (which include limiting access to employees and contractors on a "need-to-know" basis).

1.31. Mandatory Disclosures: If you believe you must disclose Synopsys's Confidential Information in order to comply with a valid court order or subpoena, you must promptly notify Synopsys and cooperate with Synopsys if Synopsys chooses to contest the disclosure requirement, seek confidential treatment of the information to be disclosed, or to limit the nature or scope of the information to be disclosed. Synopsys will do the same if it believes it must disclose your Confidential Information in these circumstances.

1.32. Additional Obligations: In addition to your general obligations of confidentiality regarding the Licensed Products and Documentation, you must take the following steps to help prevent any unauthorized access to or use of the same:

(a) you must ensure that each End User who is your independent contractor (not your employee) has access to and uses the Licensed Products and Documentation only while working on your physical premises; and

(b) you must monitor each End User's use of the Licensed Products to ensure that the End User abides by the terms of this agreement.

#### Term and Termination

1.33. Term of Agreement: The term of this agreement will begin on the effective date stated on the signature page and will end when the last Purchasing Agreement expires, unless this agreement is terminated sooner by either party.

1.34. Term of Purchasing Agreement: Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

1.35. Rights to Terminate: Each party has the right to terminate this agreement, by giving written notice of termination to the other party, if (a) the other party breaches this agreement and (b) either the breach cannot be cured or, if the breach can be cured, it is not cured by the breaching party within 15 days after receiving written notice of the breach from the non-breaching party. An Error will not be considered a breach of this agreement that allows you to terminate the agreement, but it could give rise to a warranty claim under section 8.

1.36. Consequences of Termination: If and when either you or Synopsys terminates this agreement, all Purchasing Agreements in effect at that time will also terminate. When this agreement, a Purchasing Agreement or an individual license to a Licensed Product expires or is terminated:

(a) you must (i) immediately cease all use of the Licensed Products, Documentation, Design Techniques, and other Confidential Information, (ii) promptly return to Synopsys or destroy all copies of the Licensed Products, Documentation, and other Confidential Information in your possession or control, and (iii) certify in writing to Synopsys that you have complied with clauses (i) and (ii), except, however, that your license to Implementation IP incorporated into Designs prior to termination shall continue according to its terms;

(b) you will remain obligated to pay any amounts you owe to Synopsys at that time; and

(c) the provisions of sections 4, 6, 7.4, 8.4 and 10, and the warranty disclaimers in section 8, will remain in effect.

## Limited Warranty

1.37. **Warranty:** For a period of 90 days from when Synopsys delivers a Licensed Product to you (the “warranty period”), Synopsys warrants that the Licensed Product will have no Errors when used on the correct platform and according to the instructions in the corresponding Documentation. This warranty will be void if you, or anyone else other than Synopsys, modifies or attempts to modify the Licensed Product.

1.38. **Warranty Claims:** To claim a breach of this warranty, you must, during the warranty period, notify Synopsys in writing of the Error or Errors that you have encountered and provide Synopsys with all the information you have, in written or electronic form, about those Errors, so that Synopsys can attempt to reproduce, diagnose, and correct the Errors.

1.39. **Exclusive Remedy:** Your exclusive remedy for any breach of this warranty is that Synopsys will use commercially reasonable efforts to (at Synopsys’s option) correct the Errors you have reported or provide a replacement product that does not contain these Errors, or if Synopsys is unable to provide a correction or a replacement or determines that it will not be feasible to do so, Synopsys will refund the Fees you paid for that Licensed Product.

1.40. **Disclaimer:** Except for the warranty in this Section 8, all Licensed Products, Documentation, Design Techniques, and any third party software are provided “AS IS,” without any other warranties of any kind. Synopsys further disclaims all other warranties (express, implied, or statutory), including any warranties of merchantability, fitness for a particular purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

## Infringement Claims

1.41. **Indemnity:** Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Licensed Product you obtained from Synopsys under this agreement directly infringes any U.S. patent, copyright, trademark, or trade secret. Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

1.42. **Conditions:** Synopsys’s obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:

- (a) you must promptly give Synopsys written notice of the claim;
- (b) you must identify the specific Licensed Product(s) at issue in the claim and indicate how the Licensed Product(s) is(are) utilized by you or your products;
- (c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and
- (d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

1.43. **Pro-Active Steps:** If any Licensed Product is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:

- (a) obtain for you (at no cost to you) the right for you to continue using the Licensed Product as permitted by this agreement;
- (b) replace or modify the Licensed Product to avoid the infringement problem, as long as there is no material loss of functionality; or
- (c) if Synopsys reasonably concludes that it will not be feasible to do either of the above, terminate your license for the Licensed Product and give you a prorated refund (based on how much of the License Term has elapsed) of the Fees you paid for that license.

1.44. **Exclusions:** Synopsys will have no obligation to defend or indemnify you (notwithstanding the first paragraph of this section) with respect to any claim that is based on or attributable to any of the following:

- (a) any modification made to the Licensed Product by anyone other than Synopsys;
- (b) the combination or use of the Licensed Product with other products, processes, or materials not supplied by Synopsys or specified in the Documentation as being necessary to use the Licensed Product;
- (c) your continued engagement in infringing activities after you were notified of the infringement or after Synopsys informed you of a modification or workaround that would have avoided the infringement; and
- (d) your use of the Licensed Product in a manner not permitted by this agreement.

1.45. **Burden of Proof:** You will have the burden of showing that indemnification is required pursuant to this section 9 and that the exclusions in section 9.4 are not applicable.

1.46. **No Other Obligations:** Except as expressly stated in this section 9, Synopsys has no obligation or liability to you for any actual or alleged infringement related to the Licensed Products, Documentation, or Design Techniques.

## Other Terms

1.47. **Ownership of IP Rights:** Synopsys and its licensors own all Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Your only rights in the Licensed Products, Documentation, and Design Techniques are the rights expressly granted in this agreement; all other rights are reserved by Synopsys. Synopsys’s licensors are third-party beneficiaries of, and thus may enforce against you, the license restrictions and confidentiality obligations in this agreement with respect to their intellectual property and proprietary information. You will own all Intellectual Property Rights

in the Designs you create using the Licensed Products, Documentation, and Design Techniques, subject to Synopsis's (and its licensors') ownership of the Intellectual Property Rights in the Licensed Products, Documentation, and Design Techniques. Synopsis may freely use and disseminate any Feedback you provide. You agree not to claim that Synopsis owes you any compensation for its use or dissemination of such Feedback.

1.48. OMITTED

1.49. OMITTED

1.50. Limitation of Liability: For each product or service you license or purchase from Synopsis under this agreement, Synopsis's total, cumulative liability to you, including under section 9, is limited to the amount of Fees you paid for that product or service (regardless of the nature of the liability or the nature or number of claims giving rise to the liability). Synopsis will not, under any circumstances or any theory of liability, be liable to you for any lost profits, loss of data, or consequential, incidental, or special damages arising from this agreement or the products and services provided to you under this agreement. However, this disclaimer of Synopsis's liability for consequential damages does not limit or reduce Synopsis's obligations to defend and indemnify you under section 9. The limitations of liability in this section are a fundamental part of this agreement and enable Synopsis to provide products and services to you at lower prices. These limitations of liability are intended to apply even if an exclusive remedy is found to have failed of its essential purpose.

1.51. Export Controls: You shall remain familiar with your obligations under any and all laws, statutes, regulations, ordinances of any local, states, federal, national, or other jurisdictional locality, as applicable to the export, import, and/or end-use of Synopsis products, technology, and services. Products and/or technology sold under this agreement may be subject to various Export Control Laws and Regulations including but not limited to, U.S. Export Administration Regulations (EAR), the U.S. Office of Foreign Asset Control (OFAC), the European Union (EU) Export Control Regime Regulation (EC) No. 428/2009, and/or the EU Consolidated Sanctions List. Where a product and/or technology is identified as export controlled from the country(ies) of export to (1) the destination country(ies), (2) a restricted/proscribed end use, and/or (3) a restricted end user, a government-issued export license must be obtained prior to fulfillment under this agreement and in accordance with all applicable laws. You agree that Synopsis shall not be required to complete delivery of export controlled products or technology unless and until all required export licenses have been obtained.

1.52. Governing Law; Jurisdiction: This agreement is governed by the laws of the United States and the State of California, without regard to conflicts of laws principles. The federal and state courts located in Santa Clara County, California have exclusive jurisdiction over any disputes arising from or relating to this agreement, and each party consents to such jurisdiction and venue.

1.53. Notices: Any notice, approval, consent, or other communication intended to have legal effect under this agreement must be given to the other party in writing, must be sent by first-class, registered, or overnight mail or private overnight courier (to the address for the other party stated on the signature page, unless the other party has given notice of a new address), and will be deemed given upon receipt or when delivery is refused. A copy of any communication sent to Synopsis must also be sent to the attention of the General Counsel.

1.54. Waivers: Either party's failure to enforce any provision of this agreement will not be deemed a waiver of the future enforcement of that provision or enforcement of any other provision. In order to be binding, a waiver must be in writing and signed by the party giving the waiver.

1.55. Independent Contractors: The parties to this agreement are independent contractors. Neither party is the agent or partner of the other party, or has any power or authority to act on behalf of the other party.

1.56. Severability: If any provision in this agreement is found to be invalid or unenforceable as written, the remaining provisions will remain in full force and effect and the invalid or unenforceable provision is to be construed (and, if necessary, modified) so that it is valid and enforceable to the greatest extent possible.

1.57. Attorneys' Fees: The prevailing party in any action to enforce this agreement will be entitled to recover costs and expenses including reasonable attorneys' fees.

1.58. Remedies: Except where this agreement expressly provides exclusive remedies, all rights and remedies of either party (including termination rights) are cumulative. You agree that monetary damages alone would not be an adequate remedy, and therefore Synopsis will be entitled to injunctive relief if you materially breach the license restrictions or confidentiality provisions in this agreement.

1.59. Force Majeure: Each party will be excused from performance of its obligations under this agreement, except payment obligations, to the extent that performance is rendered impossible by earthquake, fire, flood, governmental action, labor disruptions, supplier failures, or any other event or circumstance beyond that party's reasonable control.

1.60. Construction: Section headings in this agreement are for convenience only. The word "including" (and variations thereof) is not intended to be limiting. No rule of strict construction is to be used when interpreting this agreement.

1.61. Counterparts: This agreement may be signed in multiple counterparts, each of which will be deemed an original and which together will constitute one instrument.

1.62. Press Release: The parties intend to work together to prepare and publish a mutually acceptable press release concerning

this agreement.

1.63. Government Users: If you are a branch or agency of the United States Government, or are acquiring any Licensed Product on behalf of any branch or agency of the United States Government, then the following provision applies. The Licensed Products and Documentation are comprised of “commercial computer software” and “commercial computer software documentation”, as such terms are used in 48 C.F.R. 12.212, and are provided to the Government (a) for acquisition by or on behalf of civilian agencies, consistent with the policy set forth in 48 C.F.R. 12.212; or (b) for acquisition by or on behalf of units of the Department of Defense, consistent with the policies set forth in 48 C.F.R. 227.7202-1 and 227.7202-3.

1.64. Synopsys Entities: Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Synopsys Korea, Inc., Synopsys Technologies Company Limited and Nihon Synopsys, G.K., have agreed to their respective rights and obligations regarding the distribution of the Licensed Products and the performance of obligations related to the Licensed Products. You acknowledge that: (a) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Licensed Products will be used; and (b) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Licensed Products will be used or service will be provided. For products used or services provided in the Americas, Israel or Africa, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in the Republic of Korea, the distributing Synopsys entity is Synopsys Korea, Inc., based in the Republic of Korea. For products used or services provided in the People's Republic of China (PRC), the distributing Synopsys entity is Synopsys Technologies Company Limited or Synopsys International Limited. For products used or services provided in Russia, the distributing Synopsys entity is Synopsys LLC (Moscow) or Synopsys, Inc.. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

1.65. Entire Agreement: This agreement and any applicable attachments and Purchasing Agreements are the entire agreement between the parties concerning its subject matter, and supersede any prior or contemporaneous agreements, communications, or understandings (whether written or oral). However, any confidentiality or nondisclosure agreements that Synopsys previously entered into with you will remain in effect (according to their terms) with respect to the confidential information disclosed thereunder.

1.66. Amendments: This agreement may be amended only by means of a written instrument signed by authorized representatives of both parties that specifically refers to this agreement and states the parties' intention to amend it. No additional or inconsistent terms on any purchase order or similar document you may submit to Synopsys will be binding on Synopsys or have any legal effect.

## Glossary of Definitions

API means application programming interface for accessing specific functionality of an ARC MQX Product.

ARC MQX End Customer means a customer to whom you distribute an ARC MQX Licensee Product and who shall be obligated to maintain the confidentiality of any provided Documentation, and not expose any API of the ARC MQX Product to any third party.

ARC MQX Licensee Executable means an application program, in executable form, statically linked with and using certain APIs of an ARC MQX Product, for execution solely on an embedded ARC processor.

ARC MQX Licensee Product means a product owned by you, that is specifically identified to Synopsys in a Purchasing Agreement or other document accepted by Synopsys, and that incorporates an embedded processor and the ARC MQX Licensee Executable.

ARC MQX Product means the Synopsys real-time operating system platform for the ARC processor architecture including associated source files, application programming interfaces files, and utilities for use in creating applications that run on the ARC processor architecture.

ARC Software Development Product means any MetaWare Products, nSIM Products and xCAM Products.

Board Support Package Features means those configuration files in an ARC MQX Product that define hardware components with which the ARC MQX Licensee Executable is intended to interoperate.

Client means an instance of a Licensed Product running on a computer. This means, for example, that two Clients can be either two instances of a Licensed Product running on the same computer or one instance of a Licensed Product running on each of two computers.

Confidential Information of Synopsys means (a) the Licensed Products (in any form), the Documentation, the License Keys, and SolvNet; (b) Design Techniques and all ideas and information (such as algorithms, design rules, and design techniques) contained or embodied in the Licensed Products, Documentation, License Keys, or SolvNet; (c) the prices, discounts, payment terms, and other information in the Purchasing Agreements; (d) Synopsys Training Services materials including without limitation presentations, demonstrations, software and course handouts, and (e) any other confidential or proprietary information that Synopsys provides to you in connection with this agreement. Your Confidential Information is any confidential or proprietary information in (i) written form that you provide to Synopsys in order for Synopsys to fulfill your orders and provide products and services to you under this agreement, and (ii) oral form that you provide to Synopsys in order to receive Maintenance Services; as long as you notify Synopsys at the time of disclosure that such information is to be treated as confidential under this agreement. However, Feedback is not your Confidential Information. Also, Confidential Information does not include any of the following:

- (1) information that has become generally available to the public, through no fault of yours (in the case of Synopsys Confidential Information) or Synopsys (in the case of your Confidential Information) and that is not still regarded as a trade secret under laws governing information that was negligently or maliciously distributed;
- (2) information that the receiving party had already obtained in a tangible form, through lawful means, before obtaining it under this agreement;
- (3) information that the receiving party developed independently, without the use of any materials or information obtained from the other party in connection with this agreement;
- (4) information that the receiving party has lawfully obtained, in a tangible form, from a third party that had the right to provide it to the receiving party; or
- (5) information that the disclosing party releases for publication in writing.

Design means a representation of an electronic circuit or device that you create through the use of one or more Licensed Products. The representation may exist in various formats including, but not limited to, equations, truth tables, schematic diagrams, textual descriptions, hardware description languages, executable software source code and netlists.

DesignWare has the meaning given in section 1 of the Terms and Conditions.

Design Database means a design database for your Design that incorporates DesignWare in any format (except unencrypted source code for Implementation IP), along with all copyright and other proprietary legends for such DesignWare.

Design Techniques means Synopsys-supplied algorithms, data, circuit and logic elements, libraries, rule bases, search strategies, and other technical information used in the process of creating Designs.

DesignWare Fee-Per-Use Core means an IP core (as this term is understood in the semiconductor industry) for which Synopsys charges an additional fee each time it is used in the design of an integrated circuit.

Documentation means any user manuals, reference manuals, release, application and methodology notes, written utility programs, and other materials in any form provided by Synopsys for use with a Licensed Product.

End User means an individual who works for you as an employee or independent contractor and whom you designate and authorize to access and use a Licensed Product as permitted by this agreement.

Error means a defect in a Licensed Product that causes it to deviate substantially from the specifications in the corresponding Documentation.

Feedback means any ideas or suggestions you voluntarily provide to Synopsys (in any manner, whether in writing or orally or otherwise) regarding the Licensed Products, Documentation, or Design Techniques, including possible enhancements or improvements.

Fees means the amounts you must pay when you purchase products and services from Synopsys under this agreement, as identified in each Purchasing Agreement.

FTP Server means a Synopsys server that you can access via the Internet in order to download Licensed Products you have ordered.

Implementation IP means synthesizable designs (other than Verification IP).

Integrated Design means a Design that combines Implementation IP with the Design and does not consist primarily of Implementation IP.

Intellectual Property Rights means all patent rights, copyrights, trade secret rights, mask works, and trademark rights (including service marks and trade names), and any applications for these rights, in all countries.

Key Server means the computer with the host I.D. number that is identified in the License Key and which controls access to and enables the use of a Licensed Product.

License Key means a document (in physical or electronic format) provided by Synopsys that identifies: (a) the Licensed Product, including version number, licensed to you; (b) the Key Server; (c) the number of permitted Clients; and (d) the codes that initialize use of the Key Server.

License Term means the period of time during which you may use a Licensed Product under a particular license.

Licensed Design Partner means a third party that (a) you have engaged to work with you on a common Design; and (b) has a

valid Synopsys end user license agreement for the DesignWare used in your Design.  
Licensed Products has the meaning given in section 1 of the Terms and Conditions.  
Licensed Software has the meaning given in section 1 of the Terms and Conditions.  
Maintenance Services has the meaning given in section 1 of the Terms and Conditions.  
MetaWare Product means a Synopsys software development tool used to create, profile and debug software applications that run on an embedded microprocessor, identified by Synopsys with the product name “MetaWare”.  
nSIM Product means a Synopsys software model of the instruction set of an embedded ARC microprocessor, identified by Synopsys with the product name “nSIM”.  
Open Source Software has the meaning given in section 2.12 of the Terms and Conditions.  
Parent Entity means a person, company or other entity that owns, directly or indirectly, more than fifty percent (50%) of your assets or of the stock or other equity interests entitled to vote for your directors or equivalent managing authority.  
Purchasing Agreement means the applicable Synopsys sales quotation, FSA schedule, purchase agreement or other agreement describing (among other things) the products and services that you have licensed or purchased, including pricing information.  
SolvNet means Synopsys’s suite of online support services accessible via the Internet.  
Synopsys Competitor means any corporation or other legal entity in the business of developing and/or marketing (including making generally commercially available to end user customers) one or more electronic design automation software products or intellectual property cores or related services.  
System-on-Chip means an integrated circuit which integrates the microcontroller, microprocessor, peripherals and interfaces in a single Design.  
TSL means a time-based technology subscription license of a Licensed Product. A TSL lasts for a specific period of time (the License Term) from when the license is delivered and includes (at no additional charge) Maintenance Services for the Licensed Product in question.  
Updates means error corrections and minor improvements to the Licensed Products.  
Use Area for a Licensed Product means a single geographical site that you own or occupy as your place of business, which may consist of one or more buildings located within 5 miles of one another, and in which the Key Servers, Clients, and End Users for that Licensed Product are all located, except as modified by the right to allow End Users to telecommute or use over a WAN in section 2.6.  
Verification IP means test benches (including software models, test suites, and monitors) that simulate, test, and verify the functionality of certain electronic circuits or devices.  
WAN means a wide area network as referred to in section 2.6.  
xCAM Product means a Synopsys software development tool that creates and uses cycle-accurate software models of an embedded ARC microprocessor, identified by Synopsys with the product name “xCAM”.  
You (and variations thereof) means the entity that signs or agrees to this agreement as the customer.

Synopsys DesignWare files version 2018.09  
<<<<<<<<<<xilinx-separator>>>>>>>>>

The Synopsys files are subject to the following End-User License Agreement for DesignWare Fee-Per-Use Cores, by accepting these terms and using such files, (1) you agree to be bound by these terms, and (2) you acknowledge that Synopsys has no obligation to provide support to you in connection with your use of such files.

## SYNOPSIS END-USER LICENSE AGREEMENT FOR DESIGNWARE FEE-PER-USE CORES

This agreement covers the DesignWare Fee-Per-Use Cores and related services you license (or purchase) from Synopsys, unless and until we enter into a new agreement or agreement that expressly replaces this one. If you use the Synopsys Cores and related services as an employee of or for the benefit of your company, you represent that you have the power and authority to accept this agreement on behalf of your company. Your company will be the licensee under this agreement. By clicking on the “I Agree” button below, you consent to the terms and conditions of this agreement on behalf of yourself and the company on whose behalf you will use the Synopsys Cores and related services provided under this agreement. The

effective date of this agreement is the date that you click the “I Agree” button. If you do not agree to the terms and conditions of this agreement or if you do not have the power and authority to accept the terms and conditions of this agreement on behalf of your company, you may not use the Synopsys Cores and related services and Synopsys is unwilling to provide you with them.

## 1. Core Related Software and Services

The Synopsys products and services that you may license or purchase under this agreement are identified in the Purchasing Agreements governed by this agreement, and may include (but are not limited to):

- (a) DesignWare Fee-Per-Use Cores (or “Cores”), which are software products that represent an integrated circuit function which can be implemented in your Licensee IC, and which typically include associated design files in a variety of formats (such as synthesized gate-level netlists, GDSII files, MEBES or other mask writing databases, finished masks, or reticles);
- (b) Verification Environments, which are simulation and test software used in connection with Cores, such as simulation modules and simulation data analysis tools; and
- (c) Core Support Services, which means the support services described in section 5.

The terms “Core Software” means Cores, Verification Environments, and any Modifications furnished to you by Synopsys while providing Core Support Services, together with any documentation and other materials that may accompany them. Additional terms and conditions (beyond those stated here and in any attachments) may apply to certain Core Software. When ordering these Core Software, you will be given an opportunity to review the additional terms and conditions that must be accepted for you to receive the Core Software. If the additional terms and conditions conflict in any way with the terms and conditions stated here, the additional terms and conditions will prevail.

## 2. Licenses

2.1 Your License Rights: When you purchase a license to Core Software, upon delivery of the Core Software you will have a nonexclusive right to:

- (a) internally use and reproduce the Core Software solely to design, test, and verify the applicable Licensee IC for your manufacture and subsequent sale;
- (b) create Modifications to the Core Software solely to the extent necessary to design, test, and verify the applicable Licensee IC, subject to sections 2.5 and 2.6; and
- (c) manufacture (or have manufactured by a third party, as described in section 2.4) the applicable Licensee ICs incorporating the licensed Core.

2.2 Users: Except as described in sections 2.3 and 2.4, you will allow only those of your employees who are on the single design team responsible for designing or testing your Licensee IC to access the Core Software. You are responsible for the acts and omissions of your employees, agents, and permitted Contractors and third-party manufacturers with respect to any use of the Core Software or Synopsys Confidential Information, including any breaches of this agreement that they may commit.

2.3 Contractors: You may also allow Contractors to access certain parts of the Core Software as follows:

- (a) For Core Software that is in netlist or encrypted RTL form, you may allow Contractors that are not Synopsys Competitors to access that Core Software either on your physical premises or on theirs. Contractors that are Synopsys Competitors may access the netlist or encrypted RTL only while on your physical premises.
- (b) For Core Software that is in source code form, you may allow Contractors that are not Synopsys Competitors to access that Core Software only on your physical premises. You may not allow Contractors that are Synopsys Competitors to access this source code at all.
- (c) In all cases, you may allow Contractors to access the Core Software only on a “need-to-know” basis, only to allow them to perform design services on the Licensee IC in accordance with your license, and subject to a written confidentiality agreement that is at least as protective as the confidentiality terms set forth in this agreement.

2.4 Third-Party Manufacturers: You may have a third-party manufacturer make Licensee ICs incorporating the licensed Core for you if you make sure all of the following conditions are met:

- (a) the resulting Licensee ICs must be made for sale or use only by you;
- (b) the designs and specifications you give to the manufacturer contain sufficient detail so that no additional design work is performed by the manufacturer (except for the simple adaptation of your designs to the manufacturer’s own normal production processes);
- (c) you provide those designs and specifications to the manufacturer only for the purpose of making the Licensee ICs for you, and subject to confidentiality provisions that are at least as protective as those in this agreement; and
- (d) you do not give source code for any Core Software to the manufacturer.

2.5 Hard IP Cores. If you license any Cores that are Hard IP Cores, you understand that you may be required to obtain appropriate licenses to technology libraries (such as standard cell and I/O libraries) from a supplier of such libraries, and that



if this is case, you are responsible for getting these licenses at your own cost. You also agree that you may not make Modifications to Hard IP Cores without first obtaining Synopsys' prior written consent. Your use of each Hard IP Core is limited to the applicable manufacturer and process node specified in the Purchasing Agreement, and you may not use the Hard IP Core for any other manufacturer or process node.

2.6 Ownership: The Core Software and all Modifications (including all Intellectual Property Rights in them) are owned by Synopsys and its licensors. If you have any rights in any Modifications, you hereby irrevocably assign ownership of those Modifications (and all Intellectual Property Rights in them) to Synopsys. However, you are under no obligation to actually disclose any such Modifications to Synopsys, and they will automatically be licensed to you as "Core Software" pursuant to section 2.1. There are no implied licenses granted under this agreement, and all rights not expressly granted to you are reserved to Synopsys.

2.7 Conditions: Your right to use the Core Software is conditioned upon your timely payment of the full amount of Fees due for the Core Software (if any) and your compliance with the terms of this agreement, including the following restrictions. For Core Software with a license term, when the license term expires your license rights also expire and you may no longer use the Core Software.

2.8 Restrictions: You may not (and may not allow anyone else to):

(a) copy or use any Core Software (or Documentation) in any manner that is not expressly allowed by the license rights stated above;

(b) decompile, reverse engineer, or otherwise attempt to derive the source code for any Core Software, or any underlying algorithms, user interface techniques, or other ideas embodied in Core Software, that is not provided to you in unencrypted source code or RTL format;

(c) tamper with, or attempt to circumvent or disable, any License Key (this includes, for example, resetting the CPU time in order to extend the license term (if any), or using a false host ID number or additional virtualized copy(ies) of the host ID number to enable unauthorized copies of a License Key);

(d) distribute any copy of Core Software (or Documentation) except as expressly allowed by the license rights stated above, or allow anyone other than your End Users to have access to or use (such as in a timesharing, service bureau, or application service provider model) any Core Software;

(e) use Core Software or its output to create, modify, or simulate Designs for third parties or to develop or enhance any product that competes with a Synopsys product;

(f) disclose the results of any benchmarking of Core Software (whether or not the results were obtained with assistance from Synopsys) to any third party; or

(g) use Core Software in the development of any product if the failure or malfunction of that product could reasonably be expected to result in personal injury, death, or catastrophic loss.

If the License Key limits the number of End Users who may use a Core Software simultaneously or the number of simultaneous Clients, you must ensure that this limit is not exceeded, by platform virtualization or any other means.

2.9 Copies: If you make backup or archival copies of Core Software or Documentation, you must reproduce all copyright, trademark, and other notices that appear on the original copy.

2.10 Transfers and Assignments: You may not transfer or assign your license rights to any other person in any manner (by assignment, operation of law or otherwise) unless you have obtained written consent from Synopsys. If you attempt to transfer or assign any of your license rights without Synopsys's consent, the transfer or assignment will be ineffective, null, and void (and you will be in material breach of this agreement). For purposes of this section 2.10, a transfer or assignment of your license rights will be deemed to have occurred (a) if a third party (or group of third parties acting in concert) acquires beneficial ownership of fifty percent (50%) or more of either (i) your or a Parent Entity's assets or (ii) the stock or other equity interests entitled to vote for your or a Parent Entity's directors or equivalent managing authority, or (b) in the event of a merger, consolidation or other business combination between you or a Parent Entity and one or more third parties where your or a Parent Entity's stockholders immediately before that transaction own (directly or indirectly), after that transaction, less than fifty percent (50%) of the stock or other equity interests entitled to vote for the directors or equivalent managing authority of the surviving entity.

### 3 Order and Delivery

3.1 Ordering Synopsys Products: You may order the products and services identified in the Purchasing Agreements at any time by submitting an order to Synopsys through Synopsys's on-line ordering system or as otherwise directed by Synopsys. When using Synopsys's on-line ordering system, you shall be responsible for ensuring that all information you provide is accurate and complete and that any person placing an order on your behalf has your authority to do so. Once you submit an order, you may not cancel or change it. Your order must indicate which products and services you want to purchase, including any information Synopsys would need to fulfill your order. Synopsys may, in its reasonable discretion, accept or reject your order. Synopsys may accept your order by sending you written or electronic notice of acceptance or simply by fulfilling your order.

3.2 Delivery: If Synopsys accepts your order for one or more Core Software, Synopsys will then deliver to you the Core Software along with the corresponding Documentation and License Keys (if applicable). Synopsys will deliver these materials to you by EST except where prohibited by law.

3.3 EST: When Synopsys delivers Core Software by EST, Synopsys will send you an e-mail to your designated EST e-mail address(es) to notify you that the Core Software is available. Synopsys's obligation to deliver the Core Software will be fulfilled when this e-mail notice is sent. You will be responsible for downloading or requesting for delivery the Core Software and Documentation from the FTP Server and the applicable License Key from Synopsys's website at [www.synopsys.com](http://www.synopsys.com), unless Synopsys gives you other instructions. You must notify Synopsys in writing if you change your EST e-mail address(es).

3.4 Tangible Media: When Synopsys delivers Core Software to you on tangible media, the media may contain other software programs in addition to the Core Software. If it does, you will not have a license to use (and the License Keys for the Core Software will not permit you to use) these other software programs, and you must not attempt to access, use, reproduce, modify, reverse engineer, or otherwise tamper with these other software programs. If you lose or damage the media, Synopsys will, at your request, provide a replacement at a nominal charge. All deliveries of tangible items will be made F.O.B. Origin.

#### 4. Fees and Payment

4.1 Fees and Royalties: The applicable license fees and royalties (if any) for the Core Software are specified in the Purchasing Agreement. You agree to pay the Fees according to the payment terms in the applicable Purchasing Agreement.

4.2 Payments: If the applicable Purchasing Agreement does not contain specific payment terms for the Fees in question, payment of those Fees will be due within 30 days after the date of Synopsys's invoice. If you do not pay an amount by the scheduled due date, Synopsys will have the right to withhold the delivery of License Keys and/or terminate this agreement or a Purchasing Agreement and accelerate the due date of all remaining payments. In this event, you will owe the entire outstanding balance as soon as you receive written notice from Synopsys that your payment is due. All payments you make to Synopsys are non-refundable. You may not offset any amounts you believe Synopsys owes you against any payments you make to Synopsys under this agreement. You must make payments in U.S. dollars. If you do not pay an amount by the due date, you must also pay a late payment charge of 1.5% per month or the highest rate permitted by law, whichever is less.

4.3 Taxes: You will be solely responsible for paying all taxes (including sales, use, consumption, withholding, and value-added taxes and similar taxes), other than Synopsys's income taxes, that are imposed on or result from your purchase, license, or use of Synopsys products and services. If Synopsys is required by law to collect and remit any such taxes, Synopsys may invoice you for such taxes and you agree to pay the invoiced amount to Synopsys. If you are required by the respective jurisdiction where the Core Software are used, or where services are provided, to withhold taxes from payments to Synopsys, you may withhold from the total amount due to the respective Synopsys distributing entity the minimum amount required (but no more). You may only withhold taxes related to a payment at the time of such payment. You must then promptly pay that amount to the appropriate tax authority and provide Synopsys with an official receipt for the payment within 60 days of your payment.

4.4 Bankruptcy: If you become the subject of any bankruptcy, dissolution, liquidation, or similar proceedings or make a general assignment for the benefit of your creditors, Synopsys may apply any payments you have previously made to Synopsys for products or services not yet delivered by Synopsys against any amounts you owe Synopsys at that time for products or services that have been delivered by Synopsys (under this agreement or otherwise).

4.5 Royalty Reporting and Payment: If royalties are applicable, then within 30 days after the end of each calendar quarter following the effective date of this agreement, you will submit a royalty report to Synopsys via email to [royalty@synopsys.com](mailto:royalty@synopsys.com), on a form approved by Synopsys, that accurately sets forth the number of units of each Licensee IC that you sold, distributed, or otherwise disposed of during that quarter, along with payment of all reported amounts. You are to submit a royalty report even during quarters where you report no sales, distributions, or disposals of Licensee ICs. Note that you will continue to be obligated to make royalty reports and pay royalties until you permanently discontinue sales or distributions of the applicable Licensee IC. In the event of such a discontinuation, you will provide Synopsys with a written certification that the Licensee IC has been discontinued, along with a final royalty report for the applicable Licensee IC.

#### 4.6 OMITTED

#### 5. Core Support Services

5.1 Core Support Services: Core Support Services, for the first 12 months after the initial delivery of the Core Software, are included in the price of a Use of the Core Software. In providing Core Support Services, Synopsys will use commercially reasonable efforts to perform the following:

- (a) provide you with bug-fix releases to the extent necessary to conform the Core Software to any applicable technical standard specification that was in existence at the time the Core Software was delivered to you;
- (b) provide you with workarounds for material errors in the Core Software;
- (c) provide you with 24/7 access to electronic assistance regarding the operation of the Core Software, as Synopsys may make

available from time to time (such as through the SolvNet online web support service);

(d) if electronic assistance does not yield an appropriate resolution, give you access to a reasonable amount of telephone support for the Core Software, during normal business hours, through your designated support contact; and

(e) deliver bulletins as they are released by Synopsys from time to time, which contain information on bug-fix releases, application techniques, and workarounds for the Core Software.

**5.2 Designated Support Contacts:** You may appoint up to 4 designated support contacts for each supported Licensee IC, and will give Synopsys the names of all designated support contacts before making initial contact with the Synopsys support center. All technical communications, information, and materials exchanged between you and Synopsys regarding the Core Software will be conducted through your designated support contacts. You may change any designated support contact at any time by notifying Synopsys.

**5.3 Limitations.** The Core Support Services described in this section are the only services that Synopsys makes available for the Core Software, and no other warranties or support and maintenance services apply. Synopsys has no obligation to provide support for Core Software that has been altered, damaged, or modified by you. If you wish to continue receiving Core Support Services after the 12-month period following the initial delivery of the Core Software, you must separately purchase extended Core Support Services from Synopsys for an additional fee pursuant to an accepted purchase order. Reuse fees for Core Software do not include Core Support Services.

**5.4 The Core Software and Core Support Services are provided "AS IS".** Synopsys disclaims all other warranties (express, implied, or statutory), including any warranties of merchantability, fitness for a particular purpose, title, or non-infringement and any warranties arising from a course of dealing or usage of trade.

## 6. Term and Termination

**6.1 Term of Agreement:** Both you and Synopsys must sign (either physically or through electronic acceptance) this agreement for it to take effect. When both parties have so signed this agreement, the term of this agreement will begin on the effective date stated on the signature page and will end when all licenses granted hereunder terminate, or until this agreement terminates as provided below, whichever is sooner.

**6.2 Term of Purchasing Agreement:** Each Purchasing Agreement will have its own term, as indicated on that Purchasing Agreement.

**6.3 Term of Individual Licenses:** The term of each license for the Core Software granted under this agreement shall begin upon the delivery date of the Core Software, and shall continue until you discontinue the sale and distribution of the applicable Licensee ICs.

**6.4 Rights to Terminate:** Each party has the right to terminate this agreement, by giving written notice of termination to the other party, if (a) the other party breaches this agreement and (b) either the breach cannot be cured or, if the breach can be cured, it is not cured by the breaching party within 15 days after receiving written notice of the breach from the non-breaching party. A substantial deviation of Core Software from the specifications in the corresponding Documentation will not be considered a breach of this agreement that allows you to terminate the agreement.

**6.5 Consequences of Termination:** If and when either you or Synopsys terminates this agreement, all Purchasing Agreements in effect at that time will also terminate. When this agreement, a Purchasing Agreement or an individual license to Core Software expires or is terminated:

(a) you must (i) immediately cease all use of the Core Software and related Confidential Information in your possession or control (or in the possession of any third party to whom you provided such materials), (ii) promptly return to Synopsys or destroy all copies of such Core Software and related Confidential Information, and (iii) within 30 days after such expiration or termination, certify in writing to Synopsys that you have complied with clauses (i) and (ii), except, however, that your license to a Core Instantiated into a Licensee IC prior to termination shall continue according to its terms;

(b) you will remain obligated to pay any amounts you owe to Synopsys at that time; and

(c) the provisions of sections 4, 5.4, 6.5, 8 and 9 will remain in effect.

## 7. Third-Party Licenses and Indemnification

**7.1 Indemnity:** Synopsys will, at its own expense, be entitled to defend (or at its sole option, settle) any claim asserted against you by a third party that any Core Software you obtained from Synopsys under this agreement infringes any U.S. copyright, trademark, or trade secret, or U.S. patent that issued before Synopsys' delivery to you of the applicable Core Software.

Synopsys will indemnify you for any damages you suffer and costs you reasonably incur that are directly attributable to any such claim and that are assessed against you in a final, non-appealable judgment or agreed upon by Synopsys in a settlement.

**7.2 Conditions:** Synopsys's obligations to defend and indemnify you with respect to a particular claim are subject to the following conditions:

(a) you must promptly give Synopsys written notice of the claim;

(b) you must identify the specific Core Software at issue in the claim and indicate how the Core Software is utilized by you or your products;

(c) you must give Synopsys sole control and authority over the defense and settlement of the claim; and

(d) you must provide Synopsys with all information you have regarding the claim and cooperate with Synopsys when Synopsys defends or attempts to settle the claim.

7.3 Pro-Active Steps: If any Core Software is, or Synopsys believes is likely to become, the subject of a claim for which Synopsys would be obligated to defend and indemnify you, then Synopsys may, at its option, do any of the following:

(a) obtain for you (at no cost to you) the right for you to continue using the Core Software as permitted by this agreement;

(b) replace or modify the Core Software to avoid the infringement problem, as long as there is no material loss of functionality; or

(c) if Synopsys reasonably concludes that it will not be feasible to do either of the above, terminate your license for the Core Software and give you a refund of the Fees you paid to Synopsys for that license.

7.4 Exclusions: Synopsys will have no obligation to defend or indemnify you (notwithstanding the first paragraph of this section) with respect to any claim that is based on or attributable to any of the following:

(a) any modification made to the Core Software by anyone other than Synopsys;

(b) the combination or use of the Core Software with other products or materials not supplied by Synopsys or specified in the Documentation as being necessary to use the Core Software;

(c) your continued engagement in infringing activities after you were notified of the infringement or after Synopsys informed you of a modification or workaround that would have avoided the infringement;

(d) the failure to obtain a license available from a standards organization, or which would be available as a result of an undertaking to a standards organization;

(e) the methods or processes employed in using the Core Software, other than those inherent methods and processes that are necessarily employed in the intended mode of operation of the Core Software and without which a material function of the Core Software would not operate;

(f) compliance with your directions, instructions, specifications, or technical requirements (including any requirement that the Core Software or Licensee IC support or comply with industry or technical standards), if there are no known commercially-reasonable means of complying with such directions, instructions, specifications, or technical requirements free of a claim of infringement; or

(g) your use of the Core Software in a manner not permitted by this agreement.

7.5 Burden of Proof: You will have the burden of showing that indemnification is required pursuant to this Section 7 and that the exclusions in section 7.4 do not apply.

7.6 No Other Obligations: Except as expressly stated in this section 7, Synopsys has no obligation or liability to you for any actual or alleged infringement related to the Core Software.

## 8. Confidentiality

8.1 Confidentiality Obligations: Each party (you and Synopsys) agrees to abide by the following confidentiality obligations with respect to the other party's Confidential Information:

(a) do not disclose it to any third party unless (i) the other party has given its specific and express prior written approval, (ii) the disclosure is expressly allowed under this agreement, or (iii) the disclosure is necessary to comply with a valid court order or subpoena;

(b) do not use it for any reason other than to exercise its rights and perform its obligation under this agreement; and

(c) protect it from unauthorized dissemination in the same manner as that party protects its own Confidential Information, and in any event with reasonable precautions (which include limiting access to employees and contractors on a "need to know" basis).

8.2 Mandatory Disclosures: If you believe you must disclose Synopsys's Confidential Information in order to comply with a valid court order or subpoena, you must promptly notify Synopsys and cooperate with Synopsys if Synopsys chooses to contest the disclosure requirement, seek confidential treatment of the information to be disclosed, or to limit the nature or scope of the information to be disclosed. Synopsys will do the same if it believes it must disclose your Confidential Information in these circumstances.

8.3 Additional Obligations: In addition to your general obligations of confidentiality regarding the Core Software and Documentation, you must monitor each End User's use of the Core Software to ensure that the End User abides by the terms of this agreement.

## 9 Other Terms

9.1 Ownership of IP Rights: Synopsys and its licensors own all Intellectual Property Rights in the Core Software and Documentation. Your only rights in the Core Software and Documentation are the rights expressly granted in this agreement; all other rights are reserved by Synopsys. Synopsys's licensors are third-party beneficiaries of, and thus may enforce against you the license restrictions and confidentiality obligations in this agreement with respect to their intellectual property and proprietary information. Synopsys may freely use and disseminate any Feedback you provide. You agree not to claim that Synopsys owes you any compensation for its use or dissemination of such Feedback.

9.2 Limitation of Liability: For each product or service you license or purchase from Synopsys under this agreement,

Synopsys's total, cumulative liability to you, including under section 7, is limited to the amount of Fees you paid for that product or service (regardless of the nature of the liability or the nature or number of claims giving rise to the liability). Synopsys will not, under any circumstances or any theory of liability, be liable to you for any lost profits, loss of data, or consequential, incidental, or special damages arising from this agreement or the products and services provided to you under this agreement. However, this disclaimer of Synopsys's liability for consequential damages does not limit or reduce Synopsys's obligations to defend and indemnify you under section 7. The limitations of liability in this section are a fundamental part of this agreement and enable Synopsys to provide products and services to you at lower prices. These limitations of liability are intended to apply even if an exclusive remedy is found to have failed of its essential purpose.

9.3 Export Controls: You agree that the goods, software, and technology subject to this agreement are subject to the export control laws and regulations of the United States, including but not limited to the Export Administration Regulations ("EAR"), and sanctions regulations of the U.S. Department of Treasury, Office of Foreign Asset Controls and that you will comply with these laws and regulations. Without limiting the foregoing, you will not, without a U.S. Bureau of Industry and Security license or license exception, (i) export, re-export, or transfer any technology, software, or source code subject to this agreement, either directly or indirectly, to any national of any country identified in Country Groups D:1 or E:1 as defined in the EARs, or (ii) export to any country identified in Country Groups D:1 or E:1 the direct product of the technology, software or source code, if such foreign produced product is subject to the national security controls as identified on the Commerce Control List ("CCL"). In addition, goods, software and any technology subject to this agreement may not be exported, reexported, or transferred to (a) any person or entity listed on the "Entity List", "Denied Persons List" or the list of "Specifically Designated Nationals and Blocked Persons" as such lists are maintained by the U.S. Government, or (b) an end-user engaged in activities related to weapons of mass destruction. Such activities include but are not necessarily limited to activities related to: (1) the design, development, production, or use of nuclear materials, nuclear facilities, or nuclear weapons; (2) the design, development, production, or use of missiles or support of missiles projects; and (3) the design, development, production, or use of chemical or biological weapons.

9.4 Governing Law; Jurisdiction: This agreement is governed by the laws of the United States and the State of California, without regard to conflicts of laws principles. The federal and state courts located in Santa Clara County, California have exclusive jurisdiction over any disputes arising from or relating to this agreement, and each party consents to such jurisdiction and venue.

9.5 Notices: Any notice, approval, consent, or other communication intended to have legal effect under this agreement must be given to the other party in writing, must be sent by first-class, registered, or overnight mail or private overnight courier (to the address for the other party stated on the signature page, unless the other party has given notice of a new address), and will be deemed given upon receipt or when delivery is refused. A copy of any communication sent to Synopsys must also be sent to the attention of the General Counsel.

9.6 Waivers: Either party's failure to enforce any provision of this agreement will not be deemed a waiver of the future enforcement of that provision or enforcement of any other provision. In order to be binding, a waiver must be in writing and signed by the party giving the waiver.

9.7 Independent Contractors: The parties to this agreement are independent contractors. Neither party is the agent or partner of the other party, or has any power or authority to act on behalf of the other party.

9.8 Severability: If any provision in this agreement is found to be invalid or unenforceable as written, the remaining provisions will remain in full force and effect and the invalid or unenforceable provision is to be construed (and, if necessary, modified) so that it is valid and enforceable to the greatest extent possible.

9.9 Attorneys' Fees: The prevailing party in any action to enforce this agreement will be entitled to recover costs and expenses including reasonable attorneys' fees.

9.10 Remedies: Except where this agreement expressly provides exclusive remedies, all rights and remedies of either party (including termination rights) are cumulative. You agree that monetary damages alone would not be an adequate remedy, and therefore Synopsys will be entitled to injunctive relief if you materially breach the license restrictions or confidentiality provisions in this agreement.

9.11 Force Majeure: Each party will be excused from performance of its obligations under this agreement, except payment obligations, to the extent that performance is rendered impossible by earthquake, fire, flood, governmental action, labor disruptions, supplier failures, or any other event or circumstance beyond that party's reasonable control.

9.12 Construction: Section headings in this agreement are for convenience only. The word "including" (and variations thereof) is not intended to be limiting. No rule of strict construction is to be used when interpreting this agreement.

9.13 Counterparts: This agreement may be signed in multiple counterparts, each of which will be deemed an original and which together will constitute one instrument.

9.14 Press Release: The parties intend to work together to prepare and publish a mutually acceptable press release concerning this agreement.

9.15 Government Users: If you are a branch or agency of the United States Government, or are acquiring any Core Software

on behalf of any branch or agency of the United States Government, then the following provision applies. The Core Software and Documentation are comprised of “commercial computer software” and “commercial computer software documentation”, as such terms are used in 48 C.F.R. 12.212, and are provided to the Government (i) for acquisition by or on behalf of civilian agencies, consistent with the policy set forth in 48 C.F.R. 12.212; or (ii) for acquisition by or on behalf of units of the Department of Defense, consistent with the policies set forth in 48 C.F.R. 227.7202-1 and 227.7202-3.

9.16 Synopsys Entities: Synopsys, Inc. and its wholly-owned subsidiaries, including, but not limited to, Synopsys International Limited, Synopsys International Limited Taiwan Branch, Synopsys Global Kft and Nihon Synopsys, G.K., have agreed to their respective rights and obligations regarding the distribution of the Core Software and the performance of obligations related to the Core Software. You acknowledge that: (i) Synopsys Inc. or any directly or indirectly wholly-owned subsidiary or branch of Synopsys, Inc. may treat a purchase order addressed to that entity, representative office or branch as having been addressed to the appropriate entity or entities or branch with distribution rights for the geographic region in which the Core Software will be used; and (ii) delivery will be completed by the Synopsys entity or branch with distribution rights for the geographic region in which the Core Software will be used or service will be provided. For products used or services provided in a country in the Americas or Africa, the distributing Synopsys entity is Synopsys, Inc., based in California, USA. For products used or services provided in Taiwan, the distributing Synopsys entity is Synopsys International Limited Taiwan Branch, based in Taiwan. For products used or services provided in Hungary, Australia, Belarus, Bulgaria, Israel, Poland, the Republic of Korea, Romania, Russia, Ukraine or Vietnam, the distributing Synopsys entity is Synopsys Global Kft, based in Hungary. For products used or services provided in Japan, the distributing Synopsys entity is Nihon Synopsys G. K., based in Japan. For products used or services provided in any country other than those identified above, the distributing Synopsys entity is Synopsys International Limited, based in Ireland.

9.17 Entire Agreement: This agreement and any applicable attachments, supplements and Purchasing Agreements are the entire agreement between the parties concerning its subject matter, and supersede any prior or contemporaneous agreements, communications, or understandings (whether written or oral). However, any confidentiality or nondisclosure agreements that Synopsys previously entered into with you will remain in effect (according to their terms) with respect to the confidential information disclosed thereunder.

9.18 Amendments: This agreement may be amended only by means of a written instrument signed by authorized representatives of both parties that specifically refers to this agreement and states the parties’ intention to amend it. No additional or inconsistent terms on any purchase order or similar document you may submit to Synopsys will be binding on Synopsys or have any legal effect.

## GLOSSARY OF DEFINITIONS

Client means an instance of Core Software running on a computer. This means, for example, that two Clients can be either two instances of Core Software running on the same computer or one instance of Core Software running on each of two computers.

Confidential Information of Synopsys means (a) the Core Software (in any form), the Documentation, the License Keys, and SolvNet; (b) all ideas and information (such as algorithms, design rules, and design techniques) contained or embodied in the Core Software, Documentation, License Keys, or SolvNet; (c) the prices, discounts, payment terms, and other information in the Purchasing Agreements; and (d) any other confidential or proprietary information that Synopsys provides to you in connection with this agreement. Your Confidential Information is any confidential or proprietary information in (i) written form that you provide to Synopsys in order for Synopsys to fulfill your orders and provide products and services to you under this agreement, and (ii) oral form that you provide to Synopsys in order to receive Core Support Services; as long as you notify Synopsys at the time of disclosure that such information is to be treated as confidential under this agreement.

However, Feedback is not your Confidential Information. Also, Confidential Information does not include any of the following: (A) information that has become generally available to the public, through no fault of yours (in the case of Synopsys Confidential Information) or Synopsys (in the case of your Confidential Information) and that is not still regarded as a trade secret under laws governing information that was negligently or maliciously distributed; (B) information that the receiving party had already obtained in a tangible form, through lawful means, before obtaining it under this agreement; (C) information that the receiving party developed independently, without the use of any materials or information obtained from the other party in connection with this agreement; (D) information that the receiving party has lawfully obtained, in a tangible form, from a third party that had the right to provide it to the receiving party; or (D) information that the disclosing party releases for publication in writing.

Contractor means a third-party entity engaged by you to provide design services directly related to your Licensee IC. Core Support Services has the meaning given in section 5 of this agreement.

Documentation means any user manuals, reference manuals, release, application and methodology notes, written utility programs, and other materials in any form provided by Synopsys for use with Core Software.

End User means an individual who works for you as an employee or independent contractor and whom you designate and authorize to access and use Core Software as permitted by this agreement.

EST means electronic software transfer.

Feedback means any ideas or suggestions you voluntarily provide to Synopsys (in any manner, whether in writing or orally or otherwise) regarding the Core Software or Documentation, including possible enhancements or improvements.

Fees means the amounts you must pay when you purchase products and services from Synopsys under this agreement, as identified in each Purchasing Agreement.

FTP Server means a Synopsys server that you can access via the Internet in order to download Core Software you have ordered.

Hard IP Core means a Core that is delivered in a format that is non-synthesizable and suitable for implementation using a specific manufacturing process.

IC means integrated circuit.

Intellectual Property Rights means all patent rights, copyrights, trade secret rights, mask works, and trademark rights (including service marks and trade names), and any applications for these rights, in all countries.

Instantiation (and variations thereof) means an implementation of a single Core a single time in an IC. Implementation of the same Core two times in a single IC constitutes two Instantiations.

Key Server means the computer with the host I.D. number that is identified in the License Key and which controls access to and enables the use of certain Core Software (those that requires a License Key).

License Key means a document (in physical or electronic format) provided by Synopsys that identifies: (i) the applicable Core Software licensed to you; (ii) the Key Server; (iii) the number of permitted Clients; and (iv) the codes that initialize use of the Key Server.

Licensee IC means an IC owned by you and specifically identified to Synopsys in a Purchasing Agreement or other document accepted by Synopsys, which contains at least one Instantiation of a Core.

Modification means a bug fix, modification, enhancement, or revision of any aspect of the Core Software.

Parent Entity means a person, company or other entity that owns, directly or indirectly, more than fifty percent (50%) of your assets or of the stock or other equity interests entitled to vote for your directors or equivalent managing authority.

Purchasing Agreement means the applicable Synopsys sales quotation, purchase agreement or other agreement describing (among other things) the products and services that you have licensed or purchased, including pricing information.

Reuse means an additional Use of any aspect of the Core Software in a new Licensee IC (i.e. one that functions differently from the IC that was the subject of the initial Use, such as an IC that implements a change in timing, electrical or power specifications, retargeting to a different process technology or other changes in form, features or functionality); provided, however, that "Reuse" specifically excludes any Use: (i) in connection with a revised version of an IC that was the subject of the initial Use for which you have already obtained a paid-up license, where the only change is to implement bug fixes or error corrections in an IC, and (ii) in connection with a new IC that uses the same physical GDSII as the IC that was the subject of the initial Use and for which you have already obtained a paid-up license (as in the case of a bond out option).

SolvNet means Synopsys's suite of online support services accessible via the Internet.

Synopsys Competitor means any corporation or other legal entity in the business of developing and/or marketing (including making generally commercially available to end user customers) intellectual property cores or related services.

Use as a noun means engagement in any activity involving the Core Software, including but not limited to any of the following: configuration, evaluation, synthesis, simulation, modification, verification, monitoring, analysis, compilation, incorporation, embedding, integration, prototype testing, and Instantiation. A single Use is a single Instantiation of a Core in a single IC. To "Use" means to engage in any activity involving the Core Software, including but not limited to the activities listed above.

You (and variations thereof) means the entity that agrees to the terms and conditions of this agreement as the customer.

Rev. 15 May 2014





FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. Alternatively you can redistribute this file under the terms of the BSD license as stated below: Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The names of its contributors may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Header file for v4l or V4L2 drivers and applications with public API. All kernel-specific stuff were moved to media/v4l2-dev.h, so no if \_\_KERNEL tests are allowed here See <http://linuxtv.org> for more info Author: Bill Dirks <bill@thedirks.org> Justin Schoeman Hans Verkuil <hverkuil@xs4all.nl> et al. /

-----

Copyright (C) 2004, 2006, 2007, 2008, 2010, 2011, 2012 Hans Verkuil <hverkuil@xs4all.nl>  
Copyright (C) 2010, 2012 Nokia Corporation  
Copyright (C) 2009, Guennadi Liakhovetski <g.liakhovetski@gmx.de> T  
Copyright (c) 2005-2014 - Mauro Carvalho Chehab <m.chehab@samsung.com>  
Copyright 2012, 2014 Cisco Systems, Inc. and/or its affiliates. All rights reserved.  
Copyright 1998-2000 OmniVision Technologies  
Copyright (c) 2013-2014 - Andre Roth <neolynx@gmail.com>  
Copyright (C) 2007 Michel Ludwig <michel.ludwig@gmail.com>  
Copyright 2013, 2014 Cisco Systems, Inc. and/or its affiliates. All rights reserved.  
Copyright (C) 2003-2004 Kevin Thayer <nufan\_wfk at yahoo dot com>  
since 2006. Copyright (C) 2004, 2006, 2007 Hans Verkuil hverkuil@xs4all.nl  
Copyright (c) 1999-2002 Vojtech Pavlik  
Copyright (C) 2009 Douglas Schilling Landgraf <douglslan@redhat.com> This  
Copyright(C) 2000-2004, 2007, 2008 Michael H. Schimek mschimek@gmx.at  
Copyright (c) 2009 Conexant Systems Inc.  
Copyright (c) 2012-2014 - Andre Roth <neolynx@gmail.com>  
Copyright (c) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006,  
2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation version 2 of the License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA

02110-1301 USA Or, point your browser to <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html> Based on ETSI EN 300 468 V1.11.1 (2010-04) / @file desc\_t2\_delivery.h @ingroup descriptors @brief Provides the descriptors for the DVB-T2 delivery system descriptor @copyright GNU General Public License version 2 (GPLv2) @author Mauro Carvalho Chehab @par Relevant specs The descriptor described herein is defined at: - ETSI EN 300 468 V1.11.1 @par Bug Report Please submit bug reports and patches to [linux-media@vger.kernel.org](mailto:linux-media@vger.kernel.org) /

-----  
(c) 2006, 2009 Hans Verkuil <[hverkuil@xs4all.nl](mailto:hverkuil@xs4all.nl)>  
Copyright (C) 2010 Nokia Corporation <[multimedia@maemo.org](mailto:multimedia@maemo.org)>  
(C) 2008-2011 Hans de Goede <[hdegoede@redhat.com](mailto:hdegoede@redhat.com)>+  
(C) 2008 Elmar Kleijn <[elmar\\_kleijn@hotmail.com](mailto:elmar_kleijn@hotmail.com)> (C) 2008 Sjoerd Piepenbrink <[need4weed@gmail.com](mailto:need4weed@gmail.com)> (C) 2008 Hans de Goede [hdegoede@redhat.com](mailto:hdegoede@redhat.com)  
Copyright (C) 2000 Marcus Metzler <[marcus@convergence.de](mailto:marcus@convergence.de)> Ralph Metzler <[ralph@convergence.de](mailto:ralph@convergence.de)> Holger Waechtler <[holger@convergence.de](mailto:holger@convergence.de)> Andre Draszik <[ad@convergence.de](mailto:ad@convergence.de)>  
Copyright (c) 2004-2009 Theodore Kilgore <[kilgota@auburn.edu](mailto:kilgota@auburn.edu)>  
(C) 2012 Mauro Carvalho Chehab  
Copyright (c) 2006, 2011 Mauro Carvalho Chehab <[mchehab@infradead.org](mailto:mchehab@infradead.org)>  
PAC207 decoder Bertrik.Sikken. Thomas Kaiser (C) 2005 Copyright (C) 2003 2004 2005 Michel Xhaard T  
Copyright (c) 2005 and 2007 Theodore Kilgore <[kilgota@auburn.edu](mailto:kilgota@auburn.edu)> This version for libv4lconvert is Copyright (c) 2009 Theodore Kilgore <[kilgota@auburn.edu](mailto:kilgota@auburn.edu)>  
Sonix SN9C20X decoder Vasily Khoruzhick, (C) 2008-2009 Algorithm based on Java code written by Jens on microdia google group  
Copyright (c) 2000 Marcus Metzler <[marcus@convergence.de](mailto:marcus@convergence.de)> & Ralph Metzler <[ralph@convergence.de](mailto:ralph@convergence.de)>  
(C) 2005 Andrzej Szombierski [[qq@kuku.eu.org](mailto:qq@kuku.eu.org)]  
Copyright (c) 2006 Nathan Laredo <[laredo@gnu.org](mailto:laredo@gnu.org)>  
Copyright (c) 2003 :  
Sylvain Munaut <[nw8xx\[at\]246tNt.com](mailto:nw8xx[at]246tNt.com)> v4l library adaptation: Jean-François Moine <[moinejf@free.fr](mailto:moinejf@free.fr)>  
Copyright (c) 2010-2014 Ideas on board SPRL  
Contact: Laurent Pinchart <[laurent.pinchart@ideasonboard.com](mailto:laurent.pinchart@ideasonboard.com)>  
Bertrik.Sikken. (c) 2005  
Copyright 2012 Cisco Systems, Inc. and/or its affiliates. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

-----  
Copyright (c) 2004 Oren Ben-Kiki This file is distributed under the same terms

as the Automake macro files. -----

Copyright (c) 2006, Luc Saillard

<luc@saillard.org> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
memsrc.c Copyright (c) 1994-1996, Thomas G. Lane. This file is part of the Independent JPEG Group's software. For conditions of distribution and use, see the accompanying README file. -----

jidctflt.c Copyright (c) 1994-1998, Thomas G. Lane. This file is part of the Independent JPEG Group's software. The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy. This software is copyright (c) 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below. Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions: (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation. (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group". (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind. These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us. Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software". We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor. -----





without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*\*\*\*\*/

xfopencv version 2018.3

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

\*\*\*\*\*

Copyright (c) 2011-2017 Xilinx, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS

SOFTWARE,  
EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*\*\*\*\*/

### Part Three: Other Third-Party Content.

#### Index:

abc version 01104p  
abc version 127  
ant version 1.8.3  
ant-launcher version 1.8.3  
antlr version 3.3  
aopalliance version 1  
apache commons collections version 4.0  
apache commons io version 2.4  
apache commons lang version 3.3.2  
apache httpcomponents client version 4.2.5  
apache httpcomponents core version 4.2.4  
apache log4cxx version 0.10.0  
apache runtime (apr) version 1.5.2  
apache velocity version 1.7  
apache-apr version 1.5.2  
apache-commons-codec version 1.10  
apache-jakarta-commons-cli version 1.2  
apache-jakarta-commons-codec version 1.6  
apache-jakarta-commons-collections version 3.2  
apache-jakarta-commons-io version 1.3.1  
apache-jakarta-commons-lang version 2.1  
apache-jakarta-commons-lang version 2.6  
apache-jakarta-commons-logging version 1.1.1  
apache-log4j version 1.2.15  
apache-velocity version 1.5  
apache-xerces c++ parser version 2.7.0  
apache-xerces-c version 3.1.1

apache-xerces-c version 3.1.2  
apache-xml-apis-ext version 1.3.04  
apache-xmlbeans version 2.6.0  
apr-util version 1.5.4  
arduino eclipse plugin version 2.2  
autoconf version 2.6.8  
automake version 1.15  
avbuf\_xilinx\_driver version 1  
axi\_protocol\_checker version vr0p0  
axidma\_xilinx\_driver version 9.4  
bare-metal version 2019.1  
batik version 1.70  
binutils version 2.31  
binutils version 2.32  
bitstring version 3.1.6  
boost version 1.60.0  
boost version 1.64.0  
boost.process version 0.31  
bootgen version 2019.2  
bootgen version 2020.1  
bootstrap version 4.0  
briangladman-aes version 1.0  
bzip2 version 1.0.5  
C math library version FDLIBM 5.2  
cdoutil version 1.0  
centerpoint-xml version 5.7.6  
cjson version 1.5.2  
cjson version 1.5.5  
codalogix-lmx version 5.5  
codalogix-lmx version 5.7  
codalogix-lmx version 6.0  
coin-or version 1.6.0  
coin-or-cbc version 2.7.5  
coin-or-cgl version 0.57.2  
coin-or-chipps-alps version 1.4.1  
coin-or-chipps-biceps version 0.93.1  
coin-or-chipps-blis version 0.93.1  
coin-or-clp version 1.14.5  
coin-or-coinutils version 2.8.5  
coin-or-cppad version 20110101.50  
coin-or-dip version 0.83.0  
coin-or-dydp version 1.8.2  
coin-or-osi version 0.105.2  
compiler tool chain components version 2017q4  
cudd version 2.4.2  
curl version 7.64.1  
dateutil version 2.7.3  
defparser/lefpaser version 5.70  
dfu-util version 0.9  
digilent-adept-sdk version 2.4.4  
digraph-parser version 1.0.28  
doxygen version 1.8.5  
dppsu\_xilinx\_driver version 1  
dprxss\_xilinx\_driver version 4  
dptxss\_xilinx\_driver version 4.2  
eclipse cdt version 9.4.3



eclipse graphical editor framework version 3.10.0  
eclipse model framework version 2.14.0  
eclipse tracecompass version 3.3.0  
eclipse webtools version 3.8.2  
eclipse-color-theme-eclipse-color-theme version 1.2.100  
eclipse-dltk.core version 5.4.0  
eclipse-egit version 5.4  
eclipse-emf version 2.14.0  
eclipse-gmf version 1.7.0  
eclipse-linuxtools version 2.1.0  
eclipse-linuxtools version 6  
eclipse-nebula version 1.0.0  
eclipse-photon version 4.8.0  
eclipse-platform-core version 4.8.0  
eclipse-tcf version 1.6.0  
eclipse-wtp version 3.8.2  
egit version 4.0.1  
eltclsh version 1.12  
emacs\_xilinx\_driver version 3.5  
fastjson version 1.2.46  
gcc version 9.2.0  
gdb version 7.9.1  
gdb version 8.2  
gdb version 8.3  
git version 1.9.5  
git version 2.16.2  
glibc version 2.28  
gmp version 5.0.1  
gmp version 5.1.3  
gnu arm eclipse plug-ins version 2.11.1  
gnu-gcc runtime libraries version 6.2.0  
gnu-gcc version 4.5.2  
gnu-gcc version 8.2  
gnu-glibc version 2.30  
gnu-mpfr version 3.0.1-p4  
gnuwin coreutils version 5.3.0  
gnuwin grep version 2.5.4  
gnuwin libiconv-2 version 1.9.2  
gnuwin libintl-3 version 0.14.4  
gnuwin make version 3.81  
gnuwin pcre version 7.0  
gnuwin sed version 4.2  
google gson version 1.6  
google-guava version 15  
google-guava version 18  
google-guava version 23.6  
google-guice version 4.2.0  
google-protobuf version 3.7.1  
google-protoc version 3.7.1  
gperftools-gperftools version 2.5  
graphviz version 2.20.3  
graphviz version 2.28.0  
gvanas-keccakcodepackage version 3.30  
hamcrest version 1.3  
hsqldb version 1.7.1  
hyperrealm-libconfig version 1.4.8

ieee packages for vhdl-2008 (including std packages) version 1076-2008  
info-zip version 3.0  
jargs version 1  
java development kit version 8u112-b15  
java platform, standard edition runtime environment version 8u5  
java platform, standard edition runtime environment version 9.0.4  
java se development kit version 7u40  
java simple serial connector version 2.8.0  
javahelp version 2.0.05  
jaxb-api version 2.3.0  
jaxen version 1.1.4  
jcl-over-slf4j version 1.7.7  
jdom version 1  
jide-software version 3.7.6  
jquery version 1.11.3  
jquery version 1.7.1  
jquery version 1.9.1  
jquery version 3.3.1  
jquery-hashchange version 1.3  
jqueryui version 1.8.18  
json-simple version 1.1.1  
jsoncpp version 0.7.0  
jsonschema version 2.4  
jsr305 version 3.0.2  
jungo-windriver-wdreg version 10.21  
keccak hashing algorithm - sha3 version 3.2  
Keccak sha-3 implementation version 1.0  
libedit version v20150325-3.1  
liberty parser version 1.9  
libftdi version 0.02  
libgomp version 4.8.0  
libiconv version 1.13  
libiconv version 1.14  
libiconv version 1.9.2  
libjpeg version 9  
libpcap version 1.5.3  
libstdc++ version 4.8.0  
libtecla version 1.6  
libunwind version 1.1  
libusb version 0.1.12  
libusb version 1.0.9  
libxslt version 1.1.26  
linaro gcc tool chain for cortex a53 & a9 version 6.2  
llvm version 3.1  
llvm version 3.4  
llvm version 3.5  
llvm version 3.9  
llvm version 7.0  
llvm version 8.0  
llvm version 9.0.1  
log4cxx version 0.10  
logback-core version 1.0.7  
loguru version 0.3.2  
lpsolve version 5.5  
lwip version 2.1.1  
lwip\_netbsd\_pppoe version 1.64

matlab-bournesshellscripts version r2013a  
matlab-jmi.jar version r2013a  
matplotlib version 2.0.0  
mbox\_xilinx\_driver version 4.3  
md5 message digest code version 27\_4\_91  
micron simulation models version 1.72  
micropython-micropython version 1.4.6  
miglayout version 3.7.3.1  
mingw gcc version 6.2.0  
mingw-w32 version 20111219  
mingw-w64 version 4.4.3  
mingw-w64 version 4.7.0  
mingw-w64 version 4.9.1  
mingw-w64 version 5.0.0  
mingw-w64 version 6.2.0  
minisat version 2  
minizip version 1.10  
mlpart version UMPack-42-070413  
mman-win32 version 14  
mpfr version 2.6.0  
mpfr version 3.0.1-p4  
mpfr version 3.1.2  
msys2 version 5.0.1  
nandpsu\_xilinx\_driver version 1.3  
networkx version 1.11  
newlib version 3.0  
newlib version 3.1.0  
nlview version 6.1.0d  
numpy version 1.16.1  
oasis-rtl version 11.3  
omega version 1.0  
opencores version or1200  
opencores-usb2.0 version 1.6  
opencores-wb\_conmax version 1.2  
openmpi version 1.8.4  
openrisc version 1.45  
openssl version 1.0.2q  
openssl version 1.1.1b  
pandas version 0.23.4  
pdf.js version 2.0.943  
perf4j version 0.9.16  
pigz version 2.4  
pip version 19.0  
pthreads version 2.6.0  
pthreads version 2.9.1  
pulp version 1.5.6  
pybind11 version 2.2.3  
pydot version 1.0.28  
pyelftools version 0.23  
pygraphviz version 1.3rc3  
pyparsing version 1.5.6  
python version 2.7.16  
python version 2.7.5  
python version 3.7  
pytz version 2018.5  
qemu linux version xilinx-v2017.1

qemu version 2.6.0  
qemu version 2019.1  
qemu version 2020.1  
qemu windows version 2.2.50  
qt version 4.5.3  
qt version 4.8.4  
rapidjson version 1.1.0  
rlwrap version 0.37  
rxtx version 2.1.7  
safeio\_files version 2019.1  
scikit-learn version 0.19.1  
scipy version 1.1.0  
sdc version 1.70  
setuptools version 40.7.1  
sevenzip version 4.65  
sevenzipjbind version 4.65.1.06  
simple\_server version 3.0.2  
simplejson version 3.17  
six version 1.11.0  
sizzlejs version 1.7.1  
sklearn version 0.19.2  
slf4j version 1.7.5  
softfloat version 2b  
sparse hash version 1.10  
sqlite version 3.28.0  
swingx version 1  
swingx version 1.6.2  
swingx version 1.6.3  
systemc version 2.3.1  
tcf agent version 1.1  
tcf plugins version 1.4  
tcl version 8.5.14  
tcl version 8.5.6  
tcllib version 1.11.1  
tcltk version 8.4  
tdom-tdom version 0.8.2  
tinyexpr version 1.0  
tlm version 2.3.0  
tm\_terminal version 4.3  
treelite version 0.32  
u-boot version 2019.2  
umich-umpack version 42-070413  
unzip version 6.0  
uvm version 1.2  
v\_frbuf\_sr\_xilinx\_driver version 2  
v\_hdmirxss\_xilinx\_driver version 4  
v\_mix\_xilinx\_driver version 3  
video\_common\_xilinx\_driver version 4.2  
visual c++ redistributables version 11.0.60610  
visual c++ redistributables version 14.0.25425.01  
winp version 1.14  
winpcap version 4.1.3  
xdts version 2019.1  
xgboost version 0.82  
xilinx-embeddedsdsw version 2019.2  
xilinx-spm version 2018.2

xilinx\_ocl\_runtime version 2018.2  
xilinx\_sw\_apps version 2018.1  
xilinx\_sw\_services version 2018.1  
xilinxprocessoriplib\_drivers version 2018.1  
xml parser version 2.6.7  
xrcserver version 1.4  
xtensor version 0.20.10  
xygraph version 2.1.0  
z3 version 4.8.5  
zdma\_xilinx\_driver version 1.3  
zip version 3.0  
zip4j version 1.3.2  
zlib version 1.2.1  
zlib version 1.2.11  
zlib version 1.2.3  
zlib version 1.2.4  
zlib version 1.2.5  
zlib version 1.2.7  
zlib version 1.2.8  
zynq-remote-port version 4

Licenses and Notices:

abc version 01104p

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (c) The Regents of the University of California. All rights reserved.

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE UNIVERSITY OF CALIFORNIA BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE UNIVERSITY OF CALIFORNIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE UNIVERSITY OF CALIFORNIA SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE UNIVERSITY OF CALIFORNIA HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

Copyright 1995-2010 Jean-loup Gailly and Mark Adler

Copyright 2005, 2008 Niklas Sorensson  
Copyright 1996-2007 Julian Seward <jseward@bzip.org>  
Copyright 1996-2007 Julian R Seward  
Copyright 1995-2010 Mark Adler  
Copyright 2011 Xilinx Inc  
Copyright 1996-2007 Julian Seward  
Copyright 1995-2010 Jean-loup Gailly  
Copyright 1995-2010 Jean-loup Gailly detect

abc version 127

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (c) The Regents of the University of California. All rights reserved.

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE UNIVERSITY OF CALIFORNIA BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE UNIVERSITY OF CALIFORNIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE UNIVERSITY OF CALIFORNIA SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE UNIVERSITY OF CALIFORNIA HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

Copyright 1995-2005 Jean-loup Gailly and Mark Adler  
Copyright 2005, 2008 Niklas Sorensson  
Copyright 1995-2005 Jean-loup Gailly  
Copyright 1996-2007 Julian Seward <jseward@bzip.org>  
Copyright 1995-2005 Mark Adler  
Copyright 1996-2007 Julian R Seward  
Copyright 1996-2007 Julian Seward







This product includes software developed by  
The Apache Software Foundation (<http://www.apache.org/>).

apache commons lang version 3.3.2

<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Copyright 2001-2014 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

apache httpcomponents client version 4.2.5

<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Apache HttpComponents Client  
Copyright 1999-2012 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

apache httpcomponents core version 4.2.4

<<<<<<<<xilinx-separator>>>>>>>>>>>>>

Apache v 2: The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).



"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
  
9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

### APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.

You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright 2000-2004 Ryan Bloom  
Copyright 2004-2009 Oasys Design Systems Inc  
Copyright 2004-2007 The Apache Software Foundation

Copyright 2002-2005 The Apache Software Foundation or its licensors as dnl applicable. dnl  
Copyright 1996-1997, 1999-2000, 2002-2005 Free Software Foundation Inc. Originally by Fran cois Pinard  
<pinard@iro.umontreal.ca>  
Copyright 1994 X Consortium  
Copyright 1999-2011 Verific Design Automation Inc  
Copyright 1984, 1989-1990, 1994-2006, 2013 Free Software Foundation Inc  
Copyright 1996-2001, 2003-2005 Free Software Foundation Inc. Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>

apache runtime (apr) version 1.5.2

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Apache License, version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#### APACHE PORTABLE RUNTIME SUBCOMPONENTS:

The Apache Portable Runtime includes a number of subcomponents with separate Copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

From strings/apr\_fnmatch.c, include/apr\_fnmatch.h, misc/unix/getopt.c,  
file\_io/unix/mktemp.c, strings/apr\_strings.c:

```
/*
 * Copyright (C) 1987, 1993, 1994
 * The Regents of the University of California. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgement:
 * This product includes software developed by the University of
 * California, Berkeley and its contributors.
 * 4. Neither the name of the University nor the names of its contributors
 * may be used to endorse or promote products derived from this software
 * without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

/\* Copyright (C) 1996 by Internet Software Consortium.

\*

\* Permission to use, copy, modify, and distribute this software for any  
\* purpose with or without fee is hereby granted, provided that the above  
\* Copyright notice and this permission notice appear in all copies.

\*

\* THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS  
\* ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES  
\* OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE  
\* CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL  
\* DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR  
\* PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS  
\* ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS  
\* SOFTWARE.

From dso/aix/dso.c:

\* Based on libdl (dlfcn.c/dlfcn.h) which is  
\* Copyright (C) 1992,1993,1995,1996,1997,1988  
\* Jens-Uwe Mager, Helios Software GmbH, Hannover, Germany.

\*

\* Not derived from licensed software.

\*

\* Permission is granted to freely use, copy, modify, and redistribute  
\* this software, provided that the author is not construed to be liable  
\* for any results of using the software, alterations are clearly marked  
\* as such, and this notice is not modified.

From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
Copyright (C) 2000 by Martin Pool <mbp@humblebug.org.au>

This software is provided 'as-is', without any express or implied  
warranty. In no event will the authors be held liable for any damages  
arising from the use of this software.

Permission is granted to anyone to use this software for any purpose,  
including commercial applications, and to alter it and redistribute it  
freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not  
claim that you wrote the original software. If you use this software  
in a product, an acknowledgment in the product documentation would be  
appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be  
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

From strings/apr\_snprintf.c:

\*

\* cvt - IEEE floating point formatting routines.  
\* Derived from UNIX V7, Copyright(C) Caldera International Inc.

\*

Copyright(C) Caldera International Inc. 2001-2002. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code and documentation must retain the above Copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

All advertising materials mentioning features or use of this software must display the following acknowledgement:

This product includes software developed or owned by Caldera International, Inc.

Neither the name of Caldera International, Inc. nor the names of other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

USE OF THE SOFTWARE PROVIDED FOR UNDER THIS LICENSE BY CALDERA INTERNATIONAL, INC. AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CALDERA INTERNATIONAL, INC. BE LIABLE FOR ANY DIRECT, INDIRECT INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding Copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. Read README.cmake before using this.

-----



Copyright (C) 1992-1996, 1998-2012 Free Software Foundation, Inc. This configure script is free software; the Free Software Foundation gives unlimited permission to copy, distribute and modify it. -----  
M4sh Initialization. ----- Be more Bourne compatible

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding Copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. APR script designed to allow easy command line access to APR configuration parameters.

Copyright (C) 1987, 1992, 1993, 1994 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above Copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above Copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 1996 by Internet Software Consortium. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above Copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS

SOFTWARE. /

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding Copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. / Portions of this file are covered by / -- mode: c; c-file-style: "k&r" strnatcmp.c -- Perform 'natural order' comparisons of strings in C. Copyright (C) 2000 by Martin Pool <mbp@humbug.org.au> This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding Copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. / dso.c -- DSO system function emulation for AIX This is only intended for AIX < 4.3. / Based on libdl (dlfcn.c/dlfcn.h) which is Copyright (C) 1992,1993,1995,1996,1997,1988 Jens-Uwe Mager, Helios Software GmbH, Hannover, Germany. Not derived from licensed software. Permission is granted to freely use, copy, modify, and redistribute this software, provided that the author is not construed to be liable for any results of using the software, alterations are clearly marked as such, and this notice is not modified. Changes marked with `--jwe' were made on April 7 1996 by John W. Eaton <jwe@bevo.che.wisc.edu> to support g++ Bundled, stripped and adjusted on April 1998 as one single source file for inclusion into the Apache HTTP server by Ralf S. Engelschall <rse@apache.org> Added to APR by David Reid April 2000 /

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding Copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the

License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. / Copyright (C) 1987, 1990, 1993 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above Copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above Copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3.

All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (C) 2000 by Martin Pool

<[mbp@humbug.org.au](mailto:mbp@humbug.org.au)> This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

apache velocity version 1.7

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (C) 2000-2007 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (<http://www.apache.org/>).

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here.

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to you under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

apache-apr version 1.5.2

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>

## TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

### 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable

by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify

the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

### APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
distributed under the License is distributed on an "AS IS" BASIS,  
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
See the License for the specific language governing permissions and  
limitations under the License.

#### APACHE PORTABLE RUNTIME SUBCOMPONENTS:

The Apache Portable Runtime includes a number of subcomponents with  
separate copyright notices and license terms. Your use of the source  
code for these subcomponents is subject to the terms and conditions  
of the following licenses.

From strings/apr\_fnmatch.c, include/apr\_fnmatch.h, misc/unix/getopt.c,  
file\_io/unix/mktemp.c, strings/apr\_strings.c:

```
/*  
 * Copyright (c) 1987, 1993, 1994  
 *   The Regents of the University of California. All rights reserved.  
 *  
 * Redistribution and use in source and binary forms, with or without  
 * modification, are permitted provided that the following conditions  
 * are met:  
 * 1. Redistributions of source code must retain the above copyright  
 *   notice, this list of conditions and the following disclaimer.  
 * 2. Redistributions in binary form must reproduce the above copyright  
 *   notice, this list of conditions and the following disclaimer in the  
 *   documentation and/or other materials provided with the distribution.  
 * 3. All advertising materials mentioning features or use of this software  
 *   must display the following acknowledgement:  
 *   This product includes software developed by the University of  
 *   California, Berkeley and its contributors.  
 * 4. Neither the name of the University nor the names of its contributors  
 *   may be used to endorse or promote products derived from this software  
 *   without specific prior written permission.  
 *  
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND  
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
 * SUCH DAMAGE.
```



From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

/\* Copyright (c) 1996 by Internet Software Consortium.

\*

\* Permission to use, copy, modify, and distribute this software for any  
\* purpose with or without fee is hereby granted, provided that the above  
\* copyright notice and this permission notice appear in all copies.

\*

\* THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS  
\* ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES  
\* OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE  
\* CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL  
\* DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR  
\* PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS  
\* ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS  
\* SOFTWARE.

From dso/aix/dso.c:

\* Based on libdl (dlfcn.c/dlfcn.h) which is  
\* Copyright (c) 1992,1993,1995,1996,1997,1988  
\* Jens-Uwe Mager, Helios Software GmbH, Hannover, Germany.

\*

\* Not derived from licensed software.

\*

\* Permission is granted to freely use, copy, modify, and redistribute  
\* this software, provided that the author is not construed to be liable  
\* for any results of using the software, alterations are clearly marked  
\* as such, and this notice is not modified.

From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
Copyright (C) 2000 by Martin Pool <mbp@humblebug.org.au>

This software is provided 'as-is', without any express or implied  
warranty. In no event will the authors be held liable for any damages  
arising from the use of this software.

Permission is granted to anyone to use this software for any purpose,  
including commercial applications, and to alter it and redistribute it  
freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not  
claim that you wrote the original software. If you use this software  
in a product, an acknowledgment in the product documentation would be  
appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be  
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

From strings/apr\_snprintf.c:

\*

\* cvt - IEEE floating point formatting routines.

\* Derived from UNIX V7, Copyright(C) Caldera International Inc.

\*

Copyright(C) Caldera International Inc. 2001-2002. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code and documentation must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

All advertising materials mentioning features or use of this software must display the following acknowledgement:

This product includes software developed or owned by Caldera International, Inc.

Neither the name of Caldera International, Inc. nor the names of other contributors may be used to endorse or promote products derived from this software without specific prior written permission.

USE OF THE SOFTWARE PROVIDED FOR UNDER THIS LICENSE BY CALDERA INTERNATIONAL, INC. AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CALDERA INTERNATIONAL, INC. BE LIABLE FOR ANY DIRECT, INDIRECT INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2000 Martin Pool <mbp@humblebug.org.au>

Copyright 2006 Jerry Huxtable

Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan

Copyright 1992-2014 Free Software Foundation Inc

Copyright 2002-2017 JIDE Software Inc

Copyright (C) 1999 Jonathan Revusky

Copyright 2001-2011 Parallax Software Inc

Copyright 1996-2001, 2003-2011 Free Software Foundation Inc. Written by Gordon Matzigkeit

Copyright 1999 Mike Dillon

Copyright (C) 1999 Clancy Malcolm Based on HTMLTokenMarker.java

Copyright 1998 Hewlett-Packard Co

Copyright 1996-2001, 2003-2005 Free Software Foundation Inc. Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>

Copyright 2002-2003 JIDE Software

Copyright 2004-2006 Regents of the University of California

Copyright 2005-2015 Catalysoft Ltd

Copyright 1998-1999 Slava Pestov

Copyright 1987, 1990, 1992-1994 The Regents of the University of California  
Copyright 2000-2015 The Apache Software Foundation or its licensors as applicable  
Copyright (C) 2001 Tom Bradford  
Copyright (C) 1999 Juha Lindfors  
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant  
Copyright 1996 Internet Software Consortium  
Copyright (c) 1992 1993 1995 1996 1997 1988 Jens-Uwe Mager Helios Software GmbH Hannover Germany. Not derived from licensed software. Permission is granted to freely use copy modify and redistribute  
Copyright (c) 2000-2015 The Apache Software Foundation.  
Copyright 2002-2005 The Apache Software Foundation or its licensors as applicable. dnI  
Copyright 1988, 1992-1993, 1995-1997 Jens-Uwe Mager Helios Software GmbH Hannover Germany  
Copyright (C) 1999 Artur Biesiadowski  
Copyright 2001-2002 Caldera International Inc

apache-commons-codec version 1.10  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

apache-jakarta-commons-cli version 1.2  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Apache Commons CLI  
Copyright 2001-2009 The Apache Software Foundation

This product includes software developed by  
The Apache Software Foundation (<http://www.apache.org/>).

apache-jakarta-commons-codec version 1.6  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).  
Copyright 2001-2009 The Apache Software Foundation







# Licensed to the Apache Software Foundation (ASF) under one or more  
# contributor license agreements. See the NOTICE file distributed with  
# this work for additional information regarding copyright ownership.  
# The ASF licenses this file to You under the Apache License, Version 2.0  
# (the "License"); you may not use this file except in compliance with  
# the License. You may obtain a copy of the License at  
#  
# <http://www.apache.org/licenses/LICENSE-2.0>  
#  
# Unless required by applicable law or agreed to in writing, software  
# distributed under the License is distributed on an "AS IS" BASIS,  
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
# See the License for the specific language governing permissions and  
# limitations under the License.  
#

## Contents of NOTICE

```
=====
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Xerces distribution. ==
=====
```

This product includes software developed by  
The Apache Software Foundation (<http://www.apache.org/>).

Portions of this software were originally based on the following:  
- software copyright (c) 1999, IBM Corporation., <http://www.ibm.com>.

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright (C) 1999 2000 2003 2004 2005 2009 Free Software Foundation Inc. Written by Tom Tromeey  
<[tromeey@cygnus.com](mailto:tromeey@cygnus.com)>.  
Copyright 1999 IBM Corp  
Copyright 1999-2010 The Apache Software Foundation  
Copyright 1996-2001, 2003-2008 Free Software Foundation Inc. Written by Gordon Matzigkeit  
Copyright 2004-2005, 2007-2008 Free Software Foundation Inc. Written by Gary V. Vaughan  
Copyright 2004-2005, 2007 Free Software Foundation Inc. Written by Scott James Remnant  
Copyright 1999-2010 Apache Software Foundation subject to licensing terms  
Copyright 1992-2009 Free Software Foundation Inc  
Copyright 1996-1997, 1999-2000, 2002-2006, 2008-2009 Free Software Foundation Inc. Originally by Fran cois Pinard  
<[pinard@iro.umontreal.ca](mailto:pinard@iro.umontreal.ca)>  
Copyright 1994 X Consortium  
Copyright 1986 International Organization for Standardization

apache-xerces-c version 3.1.2

<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>>>>>>>

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright Microsoft Corporation. All rights reserved.

Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>

Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromeys <tromeys@cygnus.com>

Copyright 1991-2015 Free Software Foundation Inc

Copyright (c) 2010 Cowboy Ben Alman Dual licensed under the MIT and GPL licenses. http benalman.com about license

Copyright 1996-2015 Free Software Foundation Inc. Written by Gordon Matzigkeit

Copyright (c) 1982 1986 1992 1993 The Regents of the University of California. All rights reserved.

Copyright 2012 Digia Plc and or its subsidiary

Copyright Flexera Software LLC. All Rights Reserved.

Copyright 1995-1996, 2010 Xilinx Inc

Copyright 2007, 2017 Wind River Systems Inc. and others

Copyright 1986 International Organization for Standardization

Copyright 1999 IBM Corp

Copyright 2002, 2007 International Business Machines Corp and others

Copyright 2001-2011 Parallax Software Inc

Copyright 1998-2000 CenterPoint - Connective Software Engineering GmbH

Copyright 2006 International Business Machines

copyright 2014 Waybury. https useiconic.com open

Copyright 2011 The Dojo Foundation Released

Copyright (c) 2014-2016 Ole Christian Eidheim

Copyright 2003-2011 Codalogic Ltd. -----

Copyright (C) 2009 David Faure <dfaure@kdab.net> Contact http www.qt-project.org legal

Copyright 1999-2015 The Apache Software Foundation

Copyright 1998-2012 Daniel Stenberg <daniel@haxx.se> et al

Copyright 2011 AUTHORS.txt

Copyright 1999-2015 Apache Software Foundation

Copyright 2011 John Resig Dual licensed under the MIT or GPL Version

Copyright 1992-2004 P.J. Plauger

Copyright 2004-2009 Oasys Design Systems Inc

Copyright 2002-2006 The MathWorks Inc

Copyright 2003-2011 Codalogic Ltd

Copyright 1994 X Consortium

Copyright (c) 2017 creativeLabs

Copyright 2004-2015 Free Software Foundation Inc. Written by Gary V. Vaughan

Copyright 2008 Google Inc

Copyright 1998-1999 Thai Open Source Software Center Ltd

Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant

Copyright (c) 2013 Steven Benner

Copyright 1999 Xilinx

Copyright 1997-1998 Certicom Corp



apache-xml-apis-ext version 1.3.04

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the Apache License, Version 2.0, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

apache-xmlbeans version 2.6.0

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the Apache License, Version 2.0, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

apr-util version 1.5.4

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

#### APACHE PORTABLE RUNTIME SUBCOMPONENTS:

The Apache Portable Runtime includes a number of subcomponents with separate copyright notices and license terms. Your use of the source code for the these subcomponents is subject to the terms and conditions of the following licenses.

For the include\apr\_md5.h component:

```

/*
 * This is work is derived from material Copyright RSA Data Security, Inc.
 *
 * The RSA copyright statement and Licence for that original material is
 * included below. This is followed by the Apache copyright statement and
 * licence for the modifications made to that material.
 */
```

/\* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

\*/

For the passwd\apr\_md5.c component:

/\*

\* This work is derived from material Copyright RSA Data Security, Inc.

\*

\* The RSA copyright statement and Licence for that original material is included below. This is followed by the Apache copyright statement and licence for the modifications made to that material.

\*/

/\* MD5C.C - RSA Data Security, Inc., MD5 message-digest algorithm

\*/

/\* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

\*/

```
/*
 * The apr_md5_encode() routine uses much code obtained from the FreeBSD 3.0
 * MD5 crypt() function, which is licenced as follows:
 * -----
 * "THE BEER-WARE LICENSE" (Revision 42):
 * <phk@login.dknet.dk> wrote this file. As long as you retain this notice you
 * can do whatever you want with this stuff. If we meet some day, and you think
 * this stuff is worth it, you can buy me a beer in return. Poul-Henning Kamp
 * -----
 */
```

For the crypto\apr\_md4.c component:

```
* This is derived from material copyright RSA Data Security, Inc.
* Their notice is reproduced below in its entirety.
*
* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All
* rights reserved.
*
* License to copy and use this software is granted provided that it
* is identified as the "RSA Data Security, Inc. MD4 Message-Digest
* Algorithm" in all material mentioning or referencing this software
* or this function.
*
* License is also granted to make and use derivative works provided
* that such works are identified as "derived from the RSA Data
* Security, Inc. MD4 Message-Digest Algorithm" in all material
* mentioning or referencing the derived work.
*
* RSA Data Security, Inc. makes no representations concerning either
* the merchantability of this software or the suitability of this
* software for any particular purpose. It is provided "as is"
* without express or implied warranty of any kind.
*
* These notices must be retained in any copies of any part of this
* documentation and/or software.
*/
```

For the include\apr\_md4.h component:

```
*
* This is derived from material copyright RSA Data Security, Inc.
* Their notice is reproduced below in its entirety.
*
* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All
* rights reserved.
*
* License to copy and use this software is granted provided that it
* is identified as the "RSA Data Security, Inc. MD4 Message-Digest
* Algorithm" in all material mentioning or referencing this software
* or this function.
*
* License is also granted to make and use derivative works provided
* that such works are identified as "derived from the RSA Data
* Security, Inc. MD4 Message-Digest Algorithm" in all material
* mentioning or referencing the derived work.
```

\*  
\* RSA Data Security, Inc. makes no representations concerning either  
\* the merchantability of this software or the suitability of this  
\* software for any particular purpose. It is provided "as is"  
\* without express or implied warranty of any kind.  
\*  
\* These notices must be retained in any copies of any part of this  
\* documentation and/or software.  
\*/

For the test\testmd4.c component:

\*  
\* This is derived from material copyright RSA Data Security, Inc.  
\* Their notice is reproduced below in its entirety.  
\*  
\* Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All  
\* rights reserved.  
\*  
\* RSA Data Security, Inc. makes no representations concerning either  
\* the merchantability of this software or the suitability of this  
\* software for any particular purpose. It is provided "as is"  
\* without express or implied warranty of any kind.  
\*  
\* These notices must be retained in any copies of any part of this  
\* documentation and/or software.  
\*/

For the xml\expat\conf\tools\install-sh component:

```
#  
# install - install a program, script, or datafile  
# This comes from X11R5 (mit/util/scripts/install.sh).  
#  
# Copyright 1991 by the Massachusetts Institute of Technology  
#  
# Permission to use, copy, modify, distribute, and sell this software and its  
# documentation for any purpose is hereby granted without fee, provided that  
# the above copyright notice appear in all copies and that both that  
# copyright notice and this permission notice appear in supporting  
# documentation, and that the name of M.I.T. not be used in advertising or  
# publicity pertaining to distribution of the software without specific,  
# written prior permission. M.I.T. makes no representations about the  
# suitability of this software for any purpose. It is provided "as is"  
# without express or implied warranty.  
#
```

For the expat xml parser component:

Copyright (C) 1998, 1999, 2000 Thai Open Source Software Center Ltd  
and Clark Cooper

Permission is hereby granted, free of charge, to any person obtaining  
a copy of this software and associated documentation files (the  
"Software"), to deal in the Software without restriction, including  
without limitation the rights to use, copy, modify, merge, publish,

distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====

For the ldap/apr\_ldap\_url.c component:

```
/* Portions Copyright 1998-2002 The OpenLDAP Foundation
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted only as authorized by the OpenLDAP
 * Public License. A copy of this license is available at
 * http://www.OpenLDAP.org/license.html or in file LICENSE in the
 * top-level directory of the distribution.
 *
 * OpenLDAP is a registered trademark of the OpenLDAP Foundation.
 *
 * Individual files and/or contributed packages may be copyright by
 * other parties and subject to additional restrictions.
 *
 * This work is derived from the University of Michigan LDAP v3.3
 * distribution. Information concerning this software is available
 * at: http://www.umich.edu/~dirsvcs/ldap/
 *
 * This work also contains materials derived from public sources.
 *
 * Additional information about OpenLDAP can be obtained at:
 * http://www.openldap.org/
 */

/*
 * Portions Copyright (C) 1992-1996 Regents of the University of Michigan.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms are permitted
 * provided that this notice is preserved and that due credit is given
 * to the University of Michigan at Ann Arbor. The name of the University
 * may not be used to endorse or promote products derived from this
 * software without specific prior written permission. This software
 * is provided ``as is" without express or implied warranty.
 */
```

Copyright (C) 1992-1996, 1998-2012 Free Software Foundation,  
Inc. This configure script is free software; the Free Software Foundation gives  
unlimited permission to copy, distribute and modify it. -----  
M4sh Initialization. ----- Be more Bourne compatible

Licensed to the Apache Software Foundation (ASF) under one or more contributor  
license agreements. See the NOTICE file distributed with this work for  
additional information regarding copyright ownership. The ASF licenses this file  
to You under the Apache License, Version 2.0 (the "License"); you may not use  
this file except in compliance with the License. You may obtain a copy of the  
License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by  
applicable law or agreed to in writing, software distributed under the License  
is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY  
KIND, either express or implied. See the License for the specific language  
governing permissions and limitations under the License. This is derived from  
material copyright RSA Data Security, Inc. Their notice is reproduced below in  
its entirety. Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All  
rights reserved. License to copy and use this software is granted provided that  
it is identified as the "RSA Data Security, Inc. MD4 Message-Digest Algorithm"  
in all material mentioning or referencing this software or this function.  
License is also granted to make and use derivative works provided that such  
works are identified as "derived from the RSA Data Security, Inc. MD4 Message-  
Digest Algorithm" in all material mentioning or referencing the derived work.  
RSA Data Security, Inc. makes no representations concerning either the  
merchantability of this software or the suitability of this software for any  
particular purpose. It is provided "as is" without express or implied warranty  
of any kind. These notices must be retained in any copies of any part of this  
documentation and/or software. /

This work is derived from material Copyright RSA Data Security, Inc. The RSA  
copyright statement and Licence for that original material is included below.  
This is followed by the Apache copyright statement and licence for the  
modifications made to that material. / Copyright (C) 1991-2, RSA Data Security,  
Inc. Created 1991. All rights reserved. License to copy and use this software is  
granted provided that it is identified as the "RSA Data Security, Inc. MD5  
Message-Digest Algorithm" in all material mentioning or referencing this  
software or this function. License is also granted to make and use derivative  
works provided that such works are identified as "derived from the RSA Data  
Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or  
referencing the derived work. RSA Data Security, Inc. makes no representations  
concerning either the merchantability of this software or the suitability of  
this software for any particular purpose. It is provided "as is" without express  
or implied warranty of any kind. These notices must be retained in any copies of  
any part of this documentation and/or software. / Licensed to the Apache  
Software Foundation (ASF) under one or more contributor license agreements. See  
the NOTICE file distributed with this work for additional information regarding  
copyright ownership. The ASF licenses this file to You under the Apache License,  
Version 2.0 (the "License"); you may not use this file except in compliance with  
the License. You may obtain a copy of the License at  
<http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or  
agreed to in writing, software distributed under the License is distributed on  
an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express  
or implied. See the License for the specific language governing permissions and  
limitations under the License. /

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Written by Solar Designer <[solar at openwall.com](mailto:solar@openwall.com)> in 2000-2011. No copyright is claimed, and the software is hereby placed in the public domain. In case this attempt to disclaim copyright and place the software in the public domain is deemed null and void, then the software is Copyright (C) 2000-2011 Solar Designer and it is hereby released to the general public under the following terms: Redistribution and use in source and binary forms, with or without modification, are permitted. There's ABSOLUTELY NO WARRANTY, express or implied. See `crypt_blowfish.c` for more information. /

The `crypt_blowfish` homepage is: <http://www.openwall.com/crypt/> This code comes from John the Ripper password cracker, with reentrant and `crypt(3)` interfaces added, but optimizations specific to password cracking removed. Written by Solar Designer <[solar at openwall.com](mailto:solar@openwall.com)> in 1998-2011. No copyright is claimed, and the software is hereby placed in the public domain. In case this attempt to disclaim copyright and place the software in the public domain is deemed null and void, then the software is Copyright (C) 1998-2011 Solar Designer and it is hereby released to the general public under the following terms: Redistribution and use in source and binary forms, with or without modification, are permitted. There's ABSOLUTELY NO WARRANTY, express or implied. It is my intent that you should be able to use this on your system, as part of a software package, or anywhere else to improve security, ensure compatibility, or for any other purpose. I would appreciate it if you give credit where it is due and keep your modifications in the public domain as well, but I don't require that in order to let you place this code and any modifications you make under a license of your choice.

Copyright (C) 1998, 1999, 2000 Thai Open Source Software Center Ltd See the file COPYING for copying permission.

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. / Portions Copyright 1998-2002 The OpenLDAP Foundation All rights reserved. Redistribution and use in

source and binary forms, with or without modification, are permitted only as authorized by the OpenLDAP Public License. A copy of this license is available at <http://www.OpenLDAP.org/license.html> or in file LICENSE in the top-level directory of the distribution. OpenLDAP is a registered trademark of the OpenLDAP Foundation. Individual files and/or contributed packages may be copyright by other parties and subject to additional restrictions. This work is derived from the University of Michigan LDAP v3.3 distribution. Information concerning this software is available at: <http://www.umich.edu/~dirsvcs/ldap/> This work also contains materials derived from public sources. Additional information about OpenLDAP can be obtained at: <http://www.openldap.org/> / Portions Copyright (C) 1992-1996 Regents of the University of Michigan. All rights reserved. Redistribution and use in source and binary forms are permitted provided that this notice is preserved and that due credit is given to the University of Michigan at Ann Arbor. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. This software is provided ``as is" without express or implied warranty.

Copyright (C) 1992, 1993 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. @()fnmatch.h 8.1 (Berkeley) 6/2/93 / This file has been modified by the Apache Software Foundation. /

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. / Portions of this file are covered by / -- mode: c; c-file-style: "k&tr" strnatcmp.c -- Perform 'natural





version 2, | regardless of the license terms of these independent modules, and  
to copy | and distribute the resulting combined work under terms of your choice,  
| provided that every copy of the combined work is accompanied by a complete |  
copy of the source code of RXTX (the version of RXTX used to produce the |  
combined work), being distributed under the terms of the GNU Lesser General |  
Public License plus this exception. An independent module is a | module which is  
not derived from or based on RXTX. || Note that people who make modified  
versions of RXTX are not obligated | to grant this special exception for their  
modified versions; it is | their choice whether to do so. The GNU Lesser General  
Public License | gives permission to release a modified version without this  
exception; this | exception also makes it possible to release a modified version  
which | carries forward this exception. || You should have received a copy of  
the GNU Lesser General Public | License along with this library; if not, write  
to the Free | Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  
02111-1307 USA | All trademarks belong to their respective owners.

Copyright 1998 Kevin Hester,  
kevinh@acm.org | Copyright 2000-2006 Trent Jarvi, taj@www.linux.org.uk || This  
library is free software; you can redistribute it and/or | modify it under the  
terms of the GNU Library General Public | License as published by the Free  
Software Foundation; either | version 2 of the License, or (at your option) any  
later version. || This library is distributed in the hope that it will be  
useful, | but WITHOUT ANY WARRANTY; without even the implied warranty of |  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU | Library  
General Public License for more details. || You should have received a copy of  
the GNU Library General Public | License along with this library; if not, write  
to the Free | Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  
02111-1307 USA Martin Pool <mbp@linuxcare.com> added support for explicitly-  
specified lists of ports, October 2000. / Joseph Goldstone <joseph@lp.com>  
reorganized to support registered ports, known ports, and scanned ports, July  
2001 /

Copyright 1997-2004 by Trent Jarvi taj@www.linux.org.uk. || This library  
is free software; you can  
redistribute it and/or | modify it under the terms of the GNU Library General  
Public | License as published by the Free Software Foundation; either | version  
2 of the License, or (at your option) any later version. || This library is  
distributed in the hope that it will be useful, | but WITHOUT ANY WARRANTY;  
without even the implied warranty of | MERCHANTABILITY or FITNESS FOR A  
PARTICULAR PURPOSE. See the GNU | Library General Public License for more  
details. || You should have received a copy of the GNU Library General Public |  
License along with this library; if not, write to the Free | Foundation, Inc.,  
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

This file is part of Arduino. Arduino is free software; you can redistribute it  
and/or modify it under the terms of the GNU General Public License as published  
by the Free Software Foundation; either version 2 of the License, or (at your  
option) any later version. This program is distributed in the hope that it will  
be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public  
License for more details. You should have received a copy of the GNU General  
Public License along with this program; if not, write to the Free Software  
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA As a

special exception, you may use this file as part of a free software library without restriction. Specifically, if other files instantiate templates or use macros or inline functions from this file, or you compile this file and link it with other files to produce an executable, this file does not by itself cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License. Copyright 2013 Arduino LLC (<http://www.arduino.cc/>) /

Copyright (c) 2008, 2010 Thomas Holland (thomas@innot.de) and others This program and the accompanying materials are made available under the terms of the GNU Public License v3 which accompanies this distribution, and is available at <http://www.gnu.org/licenses/gpl.html> Contributors: Thomas Holland - initial API and implementation \$Id: ExternalCommandLauncher.java 851 2010-08-07 19:37:00Z innot \$ /

Copyright (c) 2010 Weltevree Beheer BV, Remain Software & Industrial-TSI All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 which accompanies this distribution, and is available at <http://www.eclipse.org/legal/epl-v10.html> Contributors: Wim S. Jongman - initial API and implementation /

autoconf version 2.6.8

```
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>
```

```
# Copyright (c) 2008 Steven G. Johnson <stevenj@alum.mit.edu>
# Copyright (c) 2008 Matteo Frigo
#
# This program is free software: you can redistribute it and/or modify it
# under the terms of the GNU General Public License as published by the
# Free Software Foundation, either version 3 of the License, or (at your
# option) any later version.
#
# This program is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
# Public License for more details.
#
# You should have received a copy of the GNU General Public License along
# with this program. If not, see <http://www.gnu.org/licenses/>.
#
# As a special exception, the respective Autoconf Macro's copyright owner
# gives unlimited permission to copy, distribute and modify the configure
# scripts that are the output of Autoconf when processing the Macro. You
# need not follow the terms of the GNU General Public License when using
```

```
# or distributing such scripts, even though portions of the text of the
# Macro appear in them. The GNU General Public License (GPL) does govern
# all other use of the material that constitutes the Autoconf Macro.
#
# This special exception to the GPL applies to versions of the Autoconf
# Macro released by the Autoconf Archive. When you make and distribute a
# modified version of the Autoconf Macro, you may extend this special
# exception to the GPL to apply to your modified version as well.
```

```
Copyright (c) 2008 Sven Verdoolaege <skimo@kotnet.org>
Copyright 2008-2009 Matteo Frigo
Copyright 2008-2009 Steven G. Johnson <stevenj@alum.mit.edu>
Copyright 2008 Guido U. Draheim <guidod@gmx.de>
```

```
# LICENSE
```

```
#
# Copyright (c) 2008 Stepan Kasal <skasal@redhat.com>
# Copyright (c) 2008 Christian Haggstrom
# Copyright (c) 2008 Ryan McCabe <ryan@numb.org>
#
# This program is free software; you can redistribute it and/or modify it
# under the terms of the GNU General Public License as published by the
# Free Software Foundation; either version 2 of the License, or (at your
# option) any later version.
#
# This program is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
# Public License for more details.
#
# You should have received a copy of the GNU General Public License along
# with this program. If not, see <http://www.gnu.org/licenses/>.
#
# As a special exception, the respective Autoconf Macro's copyright owner
# gives unlimited permission to copy, distribute and modify the configure
# scripts that are the output of Autoconf when processing the Macro. You
# need not follow the terms of the GNU General Public License when using
# or distributing such scripts, even though portions of the text of the
# Macro appear in them. The GNU General Public License (GPL) does govern
# all other use of the material that constitutes the Autoconf Macro.
#
# This special exception to the GPL applies to versions of the Autoconf
# Macro released by the Autoconf Archive. When you make and distribute a
# modified version of the Autoconf Macro, you may extend this special
# exception to the GPL to apply to your modified version as well.
```

```
Copyright (c) 2008 Ryan McCabe <ryan@numb.org>
Copyright 2008 Guido U. Draheim <guidod@gmx.de>
Copyright (c) 2008 Christian Haggstrom
Copyright (c) 2008 Stepan Kasal <skasal@redhat.com>
```







This test code was written by Edgar E. Iglesias initially for the C3P3U core. It has later been adapted to various other archs, including CRISv10, MicroBlaze and ARM.

TBM contains third party code that has been dropped in. These submodules are distributed under their respective project licenses.

See:

libfdt/libfdt.h (BSD License)

zlib/README

libminic/LICENSE (BSD License)

Individual files containing license headers may override the default license and are distributed under the license that the specific file header specifies.

Any files not part of libfdt, zlib or libminic that do not contain a file header with license terms are distributed under the following BSD license:

Copyright (c) 2009, Edgar E. Iglesias <edgar.iglesias@gmail.com>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

Copyright 2009-2014 Edgar E. Iglesias <edgar.iglesias@gmail.com>

Copyright 2014, 2016 Xilinx Inc Written by Edgar E. Iglesias

Copyright 2013 Xilinx Inc. Written by Edgar E. Iglesias

Copyright 2009-2010, 2015 Edgar E. Iglesias

Copyright 2005, 2009 Edgar E. Iglesias <edgar@axis.com>

Copyright (c) 2019 Xilinx Inc.

Copyright (C) 2009 - 2014 Edgar E. Iglesias <edgar.iglesias@gmail.com> Written by Edgar E. Iglesias



Batik version 1.70

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

NOTICE:

Apache Batik

Copyright 1999-2007 The Apache Software Foundation

This product includes software developed at  
The Apache Software Foundation (<http://www.apache.org/>).

This software contains code from the World Wide Web Consortium (W3C) for the Document Object Model API (DOM API) and SVG Document Type Definition (DTD).

This software contains code from the International Organisation for Standardization for the definition of character entities used in the software's documentation.

This product includes images from the Tango Desktop Project  
(<http://tango.freedesktop.org/>).

This product includes images from the Pasodoble Icon Theme  
(<http://www.jesusda.com/projects/pasodoble>).

COPYRIGHT TEXT:

```
# -----  
#  
# Licensed to the Apache Software Foundation (ASF) under one or more  
# contributor license agreements. See the NOTICE file distributed with  
# this work for additional information regarding copyright ownership.  
# The ASF licenses this file to You under the Apache License, Version 2.0  
# (the "License"); you may not use this file except in compliance with  
# the License. You may obtain a copy of the License at  
#  
# http://www.apache.org/licenses/LICENSE-2.0  
#  
# Unless required by applicable law or agreed to in writing, software  
# distributed under the License is distributed on an "AS IS" BASIS,  
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
# See the License for the specific language governing permissions and  
# limitations under the License.  
#  
# The resource file for the language dialog.  
#  
# stephane@hillion.org  
# $Id: LanguageDialogMessages.properties 496986 2007-01-17 10:50:57Z cam $  
# -----
```

COPYRIGHT TEXT:

```
# Copyright 2002-2005 The Apache Software Foundation or its licensors,  
# as applicable.  
#  
# Licensed under the Apache License, Version 2.0 (the "License");
```

```
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
#####
# Properties used by forrest.build.xml for building the website
# These are the defaults, un-comment them only if you need to change them.
#####
# Prints out a summary of Forrest settings for this project
#forrest.echo=true
# Project name (used to name .war file)
```

COPYRIGHT TEXT:

```
/*
Licensed to the Apache Software Foundation (ASF) under one or more
contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/
```

COPYRIGHT TEXT:

```
/*
* Copyright (c) 2006 World Wide Web Consortium,
*
* (Massachusetts Institute of Technology, European Research Consortium for
* Informatics and Mathematics, Keio University). All Rights Reserved. This
* work is distributed under the W3C(r) Software License [1] in the hope that
* it will be useful, but WITHOUT ANY WARRANTY; without even the implied
* warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
*
* [1] http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231
*/
```

COPYRIGHT TEXT:

```
/*
* Copyright (c) 2005 World Wide Web Consortium,
*
* (Massachusetts Institute of Technology, European Research Consortium for
* Informatics and Mathematics, Keio University). All Rights Reserved. This
* work is distributed under the W3C(r) Software License [1] in the hope that
* it will be useful, but WITHOUT ANY WARRANTY; without even the implied
* warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

\*  
\* [1] <http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>  
\*  
\* Modifications:  
\*  
\* September 10, 2005  
\* Placed interface in org.apache.batik.dom.xbl for the time being.  
\* Added javadocs.  
\*/

binutils version 2.31

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>>>

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1986-2017 Free Software Foundation Inc.  
copyright 1996-1997 Andrey A. Chernov Moscow Russia  
Copyright 1998-1999 Cygnus Solutions  
Copyright (c) 1998 M. Warner Losh <imp@freebsd.org> All rights reserved.  
Copyright 2008-2012 Synopsys Inc.  
Copyright 2001 Hans-Peter Nilsson  
Copyright 1998-2010 Gilles Vollant  
Copyright (c) 1997 99 Borland Corporation  
copyright 1983 Regents of the University of California. msgstr Based on BSD gprof  
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant  
Copyright 1987 Oliver Laumann  
Copyright 1983 Regents of the University of California. msgstr BSD gprof  
Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine. All rights reserved.  
Copyright (c) 2003 Altera Corporation All rights reserved.  
Copyright 1986 HEWLETT-PACKARD Co  
Copyright (C) 1995 2000-2003 Software Foundation Inc.  
Copyright (c) 2015 Paul Norman <penorman@mac.com>  
copyright 1983 Regents of the University of California. msgstr  
Copyright (C) 2010 Doug Evans.  
copyright 1983 Regents of the University of California. msgstr  
Copyright 1991, 1993 DJ Delorie  
Copyright 1990-1992 MIPS Computer Systems Inc. MIPS Computer Systems Inc. grants reproduction and  
Copyright 1983 Regens de l'Universit de Californie.  
Copyright 2009-2010 Change to  
Copyright 1995-2017 Jean-loup Gailly  
Copyright 1983 Regents of the University of California. msgstr Baseret  
Copyright (C) 1995-2017 Jean-Loup Gailly Mark Adler. OS  
Copyright (C) 1998 by Andreas R. Kleinert

Copyright 1994-1998, 2003-2004 Andrew Cagney  
Copyright (C) 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting match686.S from Brian Raiter for MASM. This is as assembly version of longest  
Copyright 1998-2010 Gilles Vollant -  
copyright 1983 Regents of the University of California. msgstr Perustuu BSD  
Copyright 2013 Linaro Ltd.  
copyright 1983 Regents of the University of California. msgstr ku Uburenganzira bw'umuhimbyi Bya  
Copyright 2004 Per Bothner <per@bothner.com>  
Copyright 2011 Adapteva Inc  
(C) Copyright IBM Corp. 2005 2006  
Copyright (c) 2013 Roy Stogner <roystgnr@ices.utexas.edu>  
(C) Copyright 2009 Anthony Green  
Copyright 1995-2017 Mark Adler  
Copyright 1995-1997 Ulrich Drepper <drepper@gnu.ai.mit.edu>  
copyright 1983 Regents of the University of California. msgstr Bas sur BSD gprof  
Copyright (c) 2009 ARM Ltd All rights reserved.  
Copyright 2009-2010 Mathias Svensson  
Copyright (c) 2001 Christopher G. Demetriou All rights reserved.  
Copyright 1998-2000 Jacques Nomssi Nzali  
Copyright (C) 1998 by Bob Dellaca.  
copyright 1983 Regents of the University of California. msgstr Bazat pe BSD gprof  
Copyright (C) 2004 1999 Per Bothner  
Copyright (c) 2014 2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>  
Copyright 2003 Chris Anderson <christop@charm.net> Please  
copyright 1983 - Reggenti dell'Universit della California.  
Copyright 1992 1993 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.  
Copyright (C) 1994 X Consortium  
Copyright (c)1999 Citrus Project All rights reserved.  
(C) Copyright 2001 2006 International Business Machines Corporation Sony Computer Entertainment Incorporated  
Copyright (C) 1995-2017 Jean-loup Gailly detect  
Copyright 2007-2008 Even Rouault  
copyright 1983 Regents of the University of California. msgstr Surbaze de BSD gprof kopirajto  
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.  
Copyright (c) 2000 2001 Alexey Zelkin <phantom@FreeBSD.org> All rights reserved.  
copyright comment line regression by 2011  
copyright Jiri Gaisler 1995  
copyright 1983 Regents of the University of California. msgstr Basato su gprof di BSD  
copyright 1983 Regenten der University of California.  
Copyright 1994, 2000 Advanced RISC Machines Ltd  
Copyright 1995-2016 Jean-loup Gailly Mark Adler  
Copyright (C) 2003 Cosmin Truta. Derived from original sources by Bob Dellaca. For conditions of distribution and use see  
copyright 1983 Regents of the University of California. msgstr Diasaskan pada BSD gprof hakcipta  
Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org> All rights reserved.  
Copyright 1983 Regents of the University of California. msgstr A BSD gprof alapjn  
Copyright (c) 2004 2005 Mark Adler. --  
Copyright 2004 Per Bothner <per@bothner.com> Based on config.  
(c) 2001 by Dimitris Vyzovitis  
Copyright 1981-2002, 2014 The Regents of the University of California  
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> All rights reserved.  
Copyright (c) 1997-2002 FreeBSD Project. All rights reserved.  
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>  
Copyright (c) 2015 Moritz Klammler <moritz@klammler.eu>  
Copyright (c) 2010 CodeSourcery Inc. All rights reserved.  
Copyright 1996 L. Peter Deutsch  
copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof

Copyright 1987-1991, 1993 Carnegie Mellon University  
Copyright (c) 1993 Intel Corporation  
Copyright (C) 1999 2000 2001 2002 Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1997-1999, 2006, 2008-2009, 2011-2012 Analog Devices Inc  
Copyright 2004 Henrik Ravn  
Copyright 1992 MetaWare Inc  
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing  
Copyright 2004, 2009 Xilinx Inc  
Copyright 1984 Third Eye Software Inc  
Copyright (C) 1991-1993 1996-1999 2001-2003 2005 2007 2009-2016 Free  
Copyright 2003 Cosmin Truta  
copyright 1983 Regents of the University of California. msgstr Basado en gprof de BSD  
Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson  
copyright 1983 Regents of the University of California. msgstr Berdasarkan BSD gprof  
Copyright (c) 1997 99 Borland Corp. and is based on zlib version  
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>  
copyright 1983 Regents of the University of California. msgstr Da vo phn mm gprof ca BSD  
Copyright (C) 1996 Cygnus Software Technologies Ltd.  
Copyright 2002-2004 Dmitriy Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --  
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly  
Copyright 1993 Sun Microsystems Inc  
Copyright (c) 1991 by AT&T.  
Copyright (c) 1984 2000 S.L. Moshier  
Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>. All rights reserved.  
Copyright (C) 2006 2008 2015 Sharuzzaman Ahmat Raslan This file is distributed under the same license as the binutils  
package. Sharuzzaman Ahmat Raslan <sharuzzaman@gmail.com>  
Copyright 2004 National Semiconductor Corp  
copyright 1983 Regents of the University of California. msgstr Bunaithe ar gprof BSD  
Copyright (C) 1998-2001 by Lucent Technologies All Rights Reserved  
Copyright (c) 1999 2000 Konstantin Chuguev. All rights reserved.  
Copyright 1991 by the Massachusetts Institute of Technology  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler .LP This software is provided  
Copyright 1983, 1987, 1990, 2014 Regents of the University of California  
Copyright (c) 2003 Artem B. Bityuckiy SoftMine Corporation. Rights transferred to Franklin Electronic Publishers.  
Copyright (C) 1994 Advanced RISC Machines Ltd. Modifications to add arch.  
Copyright 1983 Regents of the University of California. msgstr Baseado no BSD gprof  
Copyright 1997 John D. Polstra  
Copyright 2002 SuperH Inc. All rights reserved  
copyright 1993 1994 by International Business Machines Corporation.  
Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>  
copyright 1983 Regents of the University of California. msgstr Baserat p BSD gprof  
Copyright (c) 1990 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 1994-1998, 2002 Andrew Cagney <cagney@highland.com.au>  
Copyright 1994-2009 Red Hat Inc  
Copyright (C) 1999 Jeff Solomon  
SMakefile for zlib Modified from the standard UNIX Makefile Copyright Jean-loup Gailly Osma Ahvenlampi  
<Osma.Ahvenlampi@hut.fi> Amiga SAS C 6.56 & Smake  
Copyright (c) 2012 Zack Weinberg <zackw@panix.com>  
copyright 1983 Regents of the University of California. msgstr BSD gprof Regents of the University of California  
Copyright 1993-2002 Juergen Weigert (jnweiger@immd4.informatik.uni-erlangen.de) Michael Schroeder  
(mlschroe@immd4.informatik.uni-erlangen.de)  
copyright 1983 Regents of the University of California. msgstr BSD gprof baz alnmtr. BSD gprof Telif Hakk  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright 2004 Scott James Remnant <scott@netsplit.com>.  
copyright 1983 Regents of the University of California. msgstr BSD gprof  
Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

Copyright (C) 2006 MIPS Technologies Inc. All rights reserved. Contributed by Chao-ying Fu (fu@mips.com).  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (C) 2002-2004 Dmitry Anisimkov -- -- -- -- This library is free software you can redistribute it and or modify --  
Copyright (c) 1999 Kungliga Tekniska Hgskolan  
Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org> All rights reserved.  
Copyright (c) 1996-2010 Texas Instruments Incorporated http www.ti.com  
copyright 1983 Regents of the University of California. msgstr Gebaseerd op BSD gprof

binutils version 2.32  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable, applies to the above-listed file(s).  
The libgloss subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the libgloss subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification,

are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) DJ Delorie

Copyright (C) 1993 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(4) (formerly GPL for fr30)

The GPL is no longer applicable to the fr30 platform. The piece of code (syscalls.c) referencing the GPL has been officially relicensed.

(5) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or

0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(6) - Analog Devices, Inc. (bfin-\* targets)

Copyright (C) 2006, 2008, 2009, 2011, 2012 Analog Devices, Inc.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(7) University of Utah and the Computer Systems Laboratory (CSL)

[applies only to hppa\*-\*-pro\* targets]

Copyright (c) 1990,1994 The University of Utah and the Computer Systems Laboratory (CSL). All rights reserved.

Permission to use, copy, modify and distribute this software is hereby granted provided that (1) source code retains these copyright, permission, and disclaimer notices, and (2) redistributions including binaries reproduce the notices in supporting documentation, and (3) all advertising materials mentioning features or use of this software display the following acknowledgement: `This product includes software developed by the Computer Systems Laboratory at the University of Utah."

THE UNIVERSITY OF UTAH AND CSL ALLOW FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. THE UNIVERSITY OF UTAH AND CSL DISCLAIM ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

CSL requests users of this software to return to csl-dist@cs.utah.edu any improvements that they make and grant CSL redistribution rights.

(8) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(9) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS"



without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(10) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

**THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

(11) IBM Corp. spu processor (only spu-\* targets)

(C) Copyright IBM Corp. 2005, 2006

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- \* Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(12) Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(13) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) - National Semiconductor Corporation

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(15) - CodeSourcery, Inc. (tic6x-\* targets)

Copyright (c) 2010 CodeSourcery, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of CodeSourcery nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CODESOURCERY, INC. ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CODESOURCERY BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) - GPL with exception (sparc-\*leon\*, crx-\*, cr16-\* targets only)

Copyright (C) 1992 Free Software Foundation, Inc.  
Written By David Vinayak Henkel-Wallace, June 1992

This file is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

In addition to the permissions in the GNU General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file with other programs, and to distribute those programs without any restriction coming from the use of this file. (The General Public License restrictions do apply in other

respects; for example, they cover modification of the file, and distribution when not linked into another program.)

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA.

As a special exception, if you link this library with files compiled with GCC to produce an executable, this does not cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License.

(17) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> COPYING.NEWLIB

The newlib subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the newlib subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) David M. Gay (AT&T 1991, Lucent 1998)

The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY

OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

-----

The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies  
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

(4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(5)

(6)

(7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

**THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at [softwaresupport@superh.com](mailto:softwaresupport@superh.com) .

SuperH, Inc.  
405 River Oaks Parkway  
San Jose  
CA 95134  
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska Högskolan  
(Royal Institute of Technology, Stockholm, Sweden).  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:



1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984,2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(18) Citrus Project

Copyright (c)1999 Citrus Project,  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF

ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386)  
Copyright (C) 1991 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (\*-linux\* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-\*-linux\* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting

documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific, written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only \*-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000  
Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.  
Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-\* targets)

(C) Copyright 2001,2006,  
International Business Machines Corporation,  
Sony Computer Entertainment, Incorporated,  
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>  
at Electronni Visti IA, Kiev, Ukraine.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.



(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(35) - ARM Ltd (arm and thumb variant targets only)

Copyright (c) 2009 ARM Ltd  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are

met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-\* targets)

Copyright (c) 1996-2010 Texas Instruments Incorporated  
<http://www.ti.com/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY

THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-\* and crx-\* targets)

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(40) - Altera Corporation (nios2-\* targets)

Copyright (c) 2003 Altera Corporation  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- o Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2010-2019 Free Software Foundation Inc. Written by Rainer Orth <ro@CeBiTec.Uni-Bielefeld.DE>  
Copyright 2014-2019 Free Software Foundation Inc. Written by Iain Buclaw (ibuclaw@gdcproject.org)  
Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Steve Chamberlain <sac@cygnus.com>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>  
Copyright 2002-2019 Free Software Foundation Inc. Written by Zack Weinberg <zack@codesourcery.com>  
Copyright 1996-1997 Andrey A. Chernov Moscow Russia

Copyright 2014 Free Software Foundation Inc. msgstr  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy  
Copyright 2010-2019 Free Software Foundation Inc. Written by Viktor Kutuzov <vkutuzov@accessoftek.com>  
Copyright 1998-2019 Free Software Foundation Inc. Written by Jouke Numan <jnuman@hiscom.nl>  
Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June  
Copyright 1996-2019 Free Software Foundation Inc. Written by Jeff Law Cygnus Support  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Ian Lance Taylor Cygnus Support  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)  
Copyright 2008-2012 Synopsys Inc.  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson based on elf32-fr30  
Copyright 2001 Hans-Peter Nilsson  
Copyright 1993-1994 International Business Machines Corp  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Kuang Hwa Lin. Written by Kuang Hwa Lin  
Copyright 1995-2017 Jean-loup Gailly detect  
Copyright 2017-2019 Free Software Foundation Inc. Written by Stephen Crane <sjc@immunant.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Jiri Smid SuSE Labs  
Copyright 2009 ARM Ltd  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Axis Communications  
Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>  
Copyright 1987 Oliver Laumann  
Copyright 2009-2019 Free Software Foundation Inc. Written by Anthony Green <green@moxielogic.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Timothy Wall (twall@alum.mit.edu)  
Copyright 1999, 2004 Per Bothner  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by David Ung of MIPS Technologies  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Modification by James G. Smith (jsmith@cygnus.co.uk)  
Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Eli Zaretskii  
Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Nigel Stephens (nigel@mips.com) and David Ung (davidu@mips.com) of MIPS Technologies  
Copyright 2016-2019 Free Software Foundation Inc. Written by David Tolnay (dtolnay@gmail.com)  
Copyright 1986 HEWLETT-PACKARD Co  
Copyright 2002-2003 year  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support (steve@cygnus.com)  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Cygnus Support and Andrew Cagney  
Copyright 2006-2019 Free Software Foundation Inc. Written by Carlos O'Donnell <carlos@codesourcery.com>  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>  
Copyright 1993-2019 Free Software Foundation Inc. Copying and distribution of  
Copyright 2008-2009, 2011 Free Software Foundation Inc. msgstr Hak cipta  
Copyright 1996-2019 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Support  
Copyright 1991, 1993 DJ Delorie  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Put together by Ian Lance Taylor <ian@cygnus.com>  
Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Timothy Wall <twall@cygnus.com>  
Copyright 2009-2019 Free Software Foundation Inc. Free Software Foundation Inc  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Support  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Modified by David Taylor (dtaylor@armltd.co.uk)  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Synopsys Inc  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by David Mosberger-Tang <davidm@hpl.hp.com>

Copyright 1999-2019 Free Software Foundation Inc. Written by Bob Manson of Cygnus Solutions <manson@cygnus.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Michael Snyder at Cygnus Solutions. Based on work by Fred Fish Stu Grossman Geoff Noer and others  
Copyright 2001-2016 Free Software Foundation Inc. Written by Bruno Haible <haible@clisp.cons.org>  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy (MR.Swami.Reddy@nsc.com)  
Copyright 2007-2019 Free Software Foundation Inc. Written by M R Swami Reddy  
Copyright 1995-2017 Jean-loup Gailly  
Copyright 2014-2019 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com Extended for the MSP430 by Nick Clifton nickc@redhat.com  
Copyright 2014  
Copyright 1990-2019 Free Software Foundation Inc. Contributed by Cygnus Support  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Tristan Gingold <gingold@adacore.com> AdaCore  
Copyright 2002-2004 Dmitry Anisimkov - - - - -  
Copyright 1993-2019 Free Software Foundation Inc. Written by Stu Grossman of Cygnus Support  
Copyright 2009-2019 Free Software Foundation Inc. Written by Tristan Gingold AdaCore  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Originally written for GAS  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu  
Copyright 1991-2019 Free Software Foundation Inc. By Steve Chamberlain <sac@cygnus.com>  
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Extended by Kai Tietz Onevision  
Copyright 1993 Intel Corp  
Copyright 1984, 2000 S.L. Moshier  
Copyright 2001 Dimitris Vyzovitis  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices Inc  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by RedHat  
Copyright 2013-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM  
Copyright 1999-2019 Free Software Foundation Inc. Written by Linus Nordberg Swox AB <info@swox.com> based on elf32-ppc  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC opcode handling written by Ian Lance Taylor  
Copyright 2001-2016 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Sam Steingold Peter Burwood  
Copyright 1990-2018 Free Software Foundation  
Copyright 2000-2014 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org Modified by Julius Baxter juliusbaxter@gmail.com  
Copyright 2004-2019 Free Software Foundation Inc. Written by Tomer Levi NSC Israel  
Copyright 2009-2019 Free Software Foundation Inc. Written by Mikolaj Zalewski <mikolajz@google.com>  
Copyright 1993-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Renesas  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Sean Keys(skeys@ipdatasys.com)  
Copyright 2011 Free Software Foundation Inc. License GPLv3  
Copyright 2011 Adapteva Inc  
Copyright 2002 Free Software Foundation Inc. GDB is free software  
Copyright 2001-2019 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com). Infrastructure and other bits originally copied from srec  
Copyright 2003 Artem B. Bityuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)  
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright 2004-2019 Free Software Foundation Inc. - - -  
Copyright 1996-2019 Free Software Foundation Inc. Ian Lance Taylor Cygnus Support Linker support added by Mark Mitchell CodeSourcery LLC  
Copyright 1998-2001 Lucent Technologies  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Klaus K  
Copyright 2003, 2005 Free Software Foundation Inc. Deniz Akkus Kanca <deniz@arayan.com>  
Copyright 2006-2019 Free Software Foundation Inc. Written by Kai Tietz OneVision Software GmbH&CoKg

Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com> and Cary Coutant <ccoutant@google.com>  
Copyright 2004 Per Bothner <per@bothner.com> Based on config  
Copyright 1996 treaty adopted on  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on elf32-nios2  
Copyright 1990-2019 Free Software Foundation Inc. Original  
Copyright 1996-2019 Free Software Foundation Inc. Written by J.T. Conklin Cygnus Support  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com> Cygnus Support  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by M Ranga Swami Reddy <MR.Swami.Reddy@nsc.com>  
Copyright 2014-2019 Free Software Foundation Inc. Written by Jing Yu (jingyu@google.com)  
Copyright 1995-2017 Mark Adler  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Andrew Waterman  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by CodeSourcery LLC  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Bob Manson of Cygnus Support <manson@cygnus.com>  
Copyright 2006-2019 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems  
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> based on the  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Andreas Kriebel  
Copyright 1999 Kunliga Tekniska Hgskolan  
Copyright 2017-2019 Free Software Foundation Inc. Contributed by Francois H. Theron <francois.theron@netronome.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@worldnet.fr)  
Copyright 2017 Free Software Foundation Inc. msgstr Telif Hakk  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by MontaVista Software Inc  
Copyright 2004 Per Bothner <per@bothner.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1990-2019 Free Software Foundation Inc. Hacked by John Gilmore and Steve Chamberlain of Cygnus Support  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ken Raeburn and Ian Lance Taylor Cygnus Support  
Copyright 2001, 2010, 2018 Free Software Foundation Inc. Daisuke Yamashita <yamad@mb.infoweb.ne.jp>  
Copyright 2014-2019 Free Software Foundation Inc. Written by Han Shen <shenhan@google.com> and Jing Yu <jingyu@google.com>  
Copyright 1996-2010 Texas Instruments Inc  
Copyright 2002-2019 Free Software Foundation Inc. Originally  
Copyright 2004 Scott James Remnant <scott@netsplit.com>. dnl  
Copyright 1991-2016 Free Software  
Copyright 2014-2019 Free Software Foundation Inc. Written by Jing Yu <jingyu@google.com> and Han Shen <shenhan@google.com>  
Copyright 2001 Christopher G. Demetriou  
Copyright 1990-2019 Free Software Foundation Inc. Written by Mimi Phuong-Thao Vo of IBM and John Gilmore of Cygnus Support  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com>  
Contributed by Yao Qi <yao@codesourcery.com>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by FTDI  
Copyright 2009-2019 Free Software Foundation Inc. Written by Chris Demetriou <cgd@google.com>  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Cygnus Solutions and Mike Frysinger  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by matthew green (mrg@redhat.com)  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>  
Copyright 2002 SuperH Inc  
Copyright 2009-2019 Free Software Foundation Inc. Written by Marcin Kocielnicki <koriakin@0x04.net>  
Copyright 2003 Chris Anderson <christop@charm.net> Please  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Peter Brookes (pbrookes@altera.com) and Andrew Draper (adraper@altera.com)  
Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>  
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by FTDI <support@ftdichip.com>  
Copyright 2005-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>



Copyright 1996-2019 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) Cygnus Support  
Copyright 2008-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@gmail.com>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Solutions  
Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by John Gilmore  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>. Modified by  
Rahul Chaudhry <rahulchaudhry@google.com>  
Copyright 2008-2019 Free Software Foundation Inc. Written by Anthony Green  
Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant  
Copyright 1991 AT&T  
Copyright 2005-2016 Free Software Foundation Inc. Written by Simon Josefsson  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Ralph Campbell and OSF Commented and modified by  
Ian Lance Taylor Cygnus Support  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the  
PPC opcode table written by Ian Lance Taylor  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Bob Wilson at Tensilica Inc. (bwilson@tensilica.com)  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Steve Chamberlan of Transmeta (sac@pobox.com)  
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>  
Copyright 2010-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google  
Copyright 2005-2019 Free Software Foundation Inc. Written by Analog Devices Inc  
Copyright 2000-2019 Free Software Foundation Inc. Written Clinton Popetz. Contributed by Cygnus Support  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Written by  
Hans-Peter Nilsson  
Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan  
Copyright 2000-2019 Free Software Foundation Inc. Contributed Martin Schwidefsky (schwidefsky@de.ibm.com)  
Copyright 1990-2019 Free Software Foundation Inc. Written by DJ Delorie  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Red Hat  
Copyright 1996-2019 Free Software Foundation Inc. By Doug Evans Cygnus Support <dje@cygnus.com>  
Copyright 1989-2019 Free Software Foundation Inc. Contributed by Carnegie Mellon University  
Copyright 2011, 2014 Free Software Foundation Inc. msgid  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mumit Khan (khan@xraylith.wisc.edu)  
Copyright 2001-2019 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org  
Copyright 1994 Advanced RISC Machines Ltd. Modifications to add arch  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@cygnus.com>  
Copyright 2011-2019 Free Software Foundation Inc. Written by Senthil Kumar Selvaraj Atmel  
Copyright 2011 comment line regression by  
Copyright 2010-2019 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com> AdaCore  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd. Written by Andrew  
Bennett <andrew.bennett@imgtec.com>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Bryan Ford of the University of Utah  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Red Hat. Written by DJ Delorie  
Copyright 1994, 2000 Advanced RISC Machines Ltd  
Copyright 1999-2019 Free Software Foundation Inc. Hacked by Steve Chamberlain of Transmeta. sac@pobox.com  
Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl  
Copyright 1995-2016 Jean-loup Gailly Mark Adler  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Jiri Gaisler European Space Agency  
Copyright 2008-2019 Free Software Foundation Inc. Written by DJ Delorie <dj@redhat.com>  
Copyright 2006-2016 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Derek Price  
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd  
Copyright 1997-2019 Free Software Foundation Inc. Written by Kai Tietz Onevision  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Hui Zhu <hui@codesourcery.com>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Support. Mostly Gumby Henkel-Wallace's fault  
Copyright 2017-2019 Free Software Foundation Inc. Written by Benjamin Peterson <bp@benjamin.pe>

Copyright 2010-2019 Free Software Foundation Inc. Viktor Kutuzov <vkutuzov@accesssoftek.com>  
Copyright 2010-2019 Free Software Foundation Inc. Written by Igor Kudrin <ikudrin@accesssoftek.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Timothy Wall (twall@cygnus.com)  
Copyright 2019 Free Software Foundation Inc. gdbserver is free software covered by the GNU General Public License  
Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Support. Probably John Gilmore's fault  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by the OSF and Ralph Campbell. Written by Keith Knowles and Ralph Campbell working independently  
Copyright 2009-2019 Free Software Foundation Inc. Doug Kwan <dougkwan@google.com>  
Copyright 1987-2019 Free Software Foundation Inc. Contributed by David D. Johnson Brown University (ddj@cs.brown.edu)  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)  
Copyright 2009-2019 Free Software Foundation Inc. Written by Craig Silverstein <csilvers@google.com>  
Copyright 2008 Guido U. Draheim <guidod@gmx.de>  
Copyright 2006, 2008-2009, 2011-2012 Analog Devices Inc  
Copyright 2013-2019 Free Software Foundation Inc. Written by FTDI (support@ftdichip.com)  
Copyright 1996 to  
Copyright 1999-2019 Free Software Foundation Inc. Written by Bob Manson Cygnus Solutions <manson@cygnus.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <rafael.espindola@gmail.com>  
Copyright 1996-2019 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) from pieces of gdbserver  
Copyright 1994-1998, 2003-2004 Andrew Cagney  
Copyright 1997-2019 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Solutions  
Copyright 1981-2002, 2014 The Regents of the University of California  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain sac@cygnus.com  
Copyright 1996-2019 Free Software Foundation Inc. Written by Fred Fish at Cygnus support (fnf@cygnus.com)  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Red Hat. Based on sim bfin bfin-sim  
Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr) XGATE and S12X added by James Murray (jsm@jsm-net.demon.co.uk)  
Copyright 1991-2019 Free Software Foundation Inc. Written by Fred Fish  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> ELF support by Ian Lance Taylor <ian@cygnus.com>  
Copyright 1996-2019 Free Software Foundation Inc. Written by Martin Hunt Cygnus Support  
Copyright 1999-2016 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson  
Copyright 2010-2019 Free Software Foundation Inc. Written by Nick Clifton <nickc@redhat.com>  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>. Tags style generation written by Salvador E. Tropea <set@computer.org>  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Ian Lance Taylor <ian@cygnus.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Denis Chertykov <denisc@overta.ru>  
Copyright 2017-2019 Free Software Foundation Inc. Written by Teresa Johnson <tejohanson@google.com>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support <sac@cygnus.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1986-2019 Free Software Foundation Inc. Derived from coffread  
Copyright 2001-2019 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>  
Copyright 2016-2019 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com>  
Copyright 1996-2019 Free Software Foundation Inc. Written by Michael Meissner Cygnus Support <meissner@cygnus.com>  
Copyright 2006-2019 Free Software Foundation Inc. Written by Andrew Chatham  
Copyright 1996-1999 Internet Software Consortium  
Copyright 1990-2019 Free Software Foundation Inc. Contributed by steve chamberlain  
Copyright 1993-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support <ian@cygnus.com>  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain <sac@cygnus.com>  
Copyright 2002-2016 Free Software Foundation dnl Inc. dnl  
Copyright 2010-2019 Free Software Foundation Inc. Written by Matthew Gretton-Dann <matthew.gretton-dann@arm.com>  
Based upon arm  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Hui Zhu <hui\_zhu@mentor.com> Contributed by Yao

Qi <yao@codesourcery.com>  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Nigel Gray (ngray@altera.com). Contributed by Mentor Graphics Inc  
Copyright 2000-2003 Software Foundation Inc  
Copyright 2008 Free Software Foundation Inc. msgstr Tc quyn  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu (fu@mips.com)  
Copyright 2002-2019 Free Software Foundation Inc. Contributed for OR32 by Ivan Guzvinec <ivang@opencores.org>  
Copyright 2005-2006 IBM Corp  
Copyright 1997-2002 FreeBSD Project  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Doug Evans (dje@cygnus.com)  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Jon Beniston <jon@beniston.com>  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Pauline Middelink <middelink@polyware.iaf.nl>  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)  
Copyright 2011 Free Software Foundation Inc. msgstr Tc quyn nm  
Copyright 1987-2019 Free Software Foundation Inc. Contributed by Lynx Real-Time Systems Inc. Los Gatos CA  
Copyright 2000, 2002-2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and  
Copyright 1999-2019 Free Software Foundation Inc. Written by Nick Duffek <nsd@redhat.com>  
Copyright 1988-2019 Free Software Foundation Inc. Contributed by C-SKY Microsystems and Mentor Graphics  
Copyright 2008-2019 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net> and David Edelsohn <edelsohn@gnu.org>  
Copyright 1997-2019 Free Software Foundation Inc. Written by Robert Hoehne  
Copyright 1992-1994 Henry Spencer  
Copyright 1996 Cygnus Software Technologies Ltd  
Copyright 1998 M. Warner Losh <imp@freebsd.org>  
Copyright 2004, 2009 Xilinx Inc  
Copyright 1999-2019 Free Software Foundation Inc. Written by Timothy Wall (twall@cygnus.com)  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> Linux support by Eric Youngdale <eric@cais.cais.com>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Mike Frysinger  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com  
Copyright 2006-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>  
Copyright 1998 Jacques Nomssi Nzali  
Copyright 2009 Anthony Green  
Copyright 2001-2019 Free Software Foundation Inc. Written by Tom Rix Redhat  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices  
Copyright 2014-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Chao-ying Fu MIPS Technologies Inc  
Copyright 2003 Cosmin Truta  
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromeu <tromeu@cygnus.com>  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez  
Copyright 1993-2019 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support  
Copyright 1991-2016 Free  
Copyright 2019 Free Software Foundation Inc. msgstr  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Anthony Green  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Ed Satterthwaite and Chris Demetriou of Broadcom Corp  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Cygnus Solutions  
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>  
Copyright 2008 Ed Schouten <ed@FreeBSD.org>  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor of Cygnus Support <ian@cygnus.com>  
Copyright 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>

Copyright 1990-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support  
Copyright 2000-2014 Free Software Foundation Inc. Contributed by Peter Gavin pgavin@gmail.com  
Copyright 1994-2019 Free Software Foundation Inc. Written by Ken Raeburn (raeburn@cygnus.com)  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com> patterned after the PPC opcode handling written by Ian Lance Taylor  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Cupertino Miranda (cmiranda@synopsys.com)  
Copyright 2007-2008, 2010-2011, 2014, 2017-2019 Free Software Foundation Inc. msgstr  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Rewritten by Kai Tietz Onevision  
copyright 1998-2018 Free Software Foundation Inc. qquad Permissions on back  
Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>  
Copyright 2008-2019 Free Software Foundation Inc. Written by Evgenii Stepanov <eugenis@google.com>  
Copyright 2011-2019 Free Software Foundation Inc. Copied from the gcc configury where the test was contributed by H.J. Lu <hongjiu.lu@intel.com>  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by ARM Ltd  
Copyright 1994-2019 Free Software Foundation Inc. Written by Ken Raeburn <raeburn@cygnus.com>  
Copyright 1993 Sun Microsystems Inc  
Copyright 1999-2019 Free Software Foundation Inc. Written by Elena Zannoni <ezannoni@cygnus.com> of Cygnus Solutions  
Copyright 2008-2019 Free Software Foundation Inc. Written by FTDI  
Copyright 1990-2019 Free Software Foundation Inc. Almost totally rewritten by Ian Dall from initial work by Andrew Cagney  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on tc-nios2  
Copyright 1990-2019 Free Software Foundation Inc. Hacked by Steve Chamberlain of Cygnus Support  
Copyright 2014-2019 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>  
Copyright 1993-2019 Free Software Foundation Inc. Modified from coff-mips  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions  
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Martin Hunt (hunt@cygnus.com)  
Copyright 2008-2019 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net>  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Dmitry Diky <diwil@mail.ru>  
Copyright 1984-2019 Free Software Foundation Inc  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Stephane Carrez  
Copyright 2001 Mike Barcroft <mike@FreeBSD.org>  
Copyright 2001-2019 Free Software Foundation Inc. Written by Tom Rix Contributed by Red Hat Inc  
Copyright 2003-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>  
Copyright 2004 National Semiconductor Corp  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Solutions  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Yao Qi <yao@codesourcery.com>  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy <MR.Swami.Reddy@nsc.com>  
Copyright 1999-2000 Konstantin Chuguev  
Copyright 1997-2019 Free Software Foundation Inc. Derived from sim-main  
Copyright 2013 Linaro Ltd  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Mentor Graphics  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Originally written for GAS  
Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)  
Copyright 1996-2019 Free Software Foundation Inc. Written by Klaus K  
Copyright 2016-2019 Free Software Foundation Inc. Written by Than McIntosh <thanm@google.com>  
Copyright 2002-2019 Free Software Foundation Inc. Based on code contributed by Wasabi Systems Inc  
Copyright 2010 CodeSourcery Inc  
Copyright 2000-2019 Free Software Foundation Inc. Written by Michael Sokolov <msokolov@ivan.Harhan.ORG> based on armelf.em  
Copyright 2013-2019 Free Software Foundation Inc. Written by Alexander Ivchenko <alexander.ivchenko@intel.com>

Copyright 2013-2019 Free Software Foundation Inc. Contributed by FTDI (support@ftdichip.com)  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Andrew Bennett (andrew.bennett@imgtec.com)  
Copyright 1989-2019 Free Software Foundation Inc. Contributed by Nobuyuki Hikichi(hikichi@sra.co.jp)  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Sean Keys <skeys@ipdatasys.com>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Arnold Metselaar <arnold\_m@operamail.com>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Carl B. Pedersen and Martin Schwidefsky  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Written by Tomer Levi  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>  
Copyright 1989-2019 Free Software Foundation Inc. Written by James Clark (jic@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu>  
Copyright 2000-2019 Free Software Foundation Inc. Written by Martin Schwidefsky (schwidefsky@de.ibm.com)  
Copyright 2006-2019 Free Software Foundation Inc. Contributed by Brain.lin (brain.lin@sunplusct.com)  
copyright 1991-2018 Free Software Foundation Inc. Author Roland H. Pesch  
Copyright 1993-2019 Free Software Foundation Inc. Written by Cygnus Support Modified by J.Gaisler ESA ESTEC  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com)  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Anthony Green <green@moxielogic.com>  
Copyright 2012-2019 Free Software Foundation Inc. Written by Jiong Wang (jiwang@tilera.com)  
Copyright 1999 Citrus Project  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Joseph Myers <joseph@codesourcery.com> Bernd Schmidt <bernds@codesourcery.com>  
Copyright 2011-2019 Free Software Foundation Inc. Written by Sasa Stankovic <sasa.stankovic@imgtec.com> and Aleksandar Simeonov <aleksandar.simeonov@rt-rk.com>  
Copyright 1995-2003 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>  
Copyright 1993-2019 Free Software Foundation Inc. The structure of  
Copyright 1995 Jiri Gaisler  
Copyright 1998-2019 Free Software Foundation Inc. Written by Anders Norlander <anorland@hem2.passagen.se>. Rewritten by Kai Tietz Onevision  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Red Hat Inc  
Copyright 1993-2019 Free Software Foundation Inc. Written by Stu Grossman Cygnus Support. Converted to back-end form by Ian Lance Taylor Cygnus Support  
Copyright 1988-2019 Free Software Foundation Inc. Written by Paul Kranenburg EUR  
Copyright 2010-2019 Free Software Foundation Inc. Written by Rafael vila de Espndola <rafael.espindola@gmail.com>  
Copyright 1998 Cygnus Solutions  
Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Support  
Copyright 1997 John D. Polstra  
Copyright 2003 Altera Corp  
Copyright 2007-2019 Free Software Foundation Inc. Copied from the gcc testsuite where the test was contributed by Mark Mitchell <mark@codesourcery.com>  
Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support using pieces from other GDB modules  
Copyright 1995-2019 Free Software Foundation Inc. dnl dnl  
Copyright 2014 Free Software Foundation Inc. msgstr  
Copyright 2008-2019 Free Software Foundation Inc. Written by Caleb Howe <cshowe@google.com>  
Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit  
Copyright 2000-2019 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com)  
Copyright 1999-2019 Free Software Foundation Inc. Written by Sean Keys (skeys@ipdatasys.com)  
Copyright 1998-2019 Free Software Foundation Inc. Written by DJ Delorie <dj@cygnus.com>  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Michal Ludvig <mludvig@suse.cz>  
Copyright 2010-2019 Free Software Foundation Inc. Written by Tocar Ilya <ilya.tocar@intel.com>  
Copyright 2007-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>  
Copyright 2015-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Mentor Graphics Inc  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Wasabi Systems Inc



of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2019 Scott Griffiths  
Copyright 2006-2019 Scott Griffiths (dr.scottgriffiths@gmail.com)

Boost version 1.60.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2006-2015 Paul A. Bristow  
Copyright 2014-2015 Samuel Debionne Grenoble France  
Copyright 2000-2001 Stephen Cleary rem rem Distributed  
Copyright 2008 Federico J. Fernandez

Copyright 2010-2015 Edward Diener  
Copyright 1999, 2001 Nicolai M. Josuttis  
Copyright 2006-2015 Steven Watanabe  
Copyright 2007 Andreas Kloeckner  
Copyright 2003 Jeremy Siek Authors Lie-Quan Lee Jeremy Siek and Douglas Gregor  
Copyright 2002-2004 Thomas Witt  
Copyright 2004 Aaron W. LaFramboise Roland Schwarz Michael Glassford  
Copyright 2008 Rep Invariant Systems Inc. (info@repinvariant.com)  
Copyright 2013 Rene Rivera Distributed  
Copyright 2010, 2014 Athanasios Iliopoulos  
Copyright 2001, 2004 Jeremy Siek <jsiek@cs.indiana.edu> Distributed  
Copyright 1994 Hewlett-Packard Co  
Copyright 2009-2014 Neil Groves. Distributed  
Copyright 2007 Alexandre Courpron  
Copyright 2002 Rensselaer Polytechnic Institute  
Copyright 2007 Timmo Stange  
Copyright 2011 Paul A. Bristow comments Distributed  
Copyright 1999-2001 Beman Dawes David Abrahams  
Copyright 2003 Sam Nabialek  
Copyright 2009 Eric Bose-Wolf  
Copyright 2011 Takaya Saito  
Copyright 2001-2003 Toon Knapen  
Copyright 2010 Eric Jourdanneau Joel Falcou  
Copyright 2009-2015 Mario Mulansky  
Copyright 2009-2010 Mathias Gaunard  
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich  
Copyright 2009 Trustees of Indiana University Authors Jeremiah J. Willcock Andrew Lumsdaine  
Copyright 2013 Joaquim Duran  
Copyright 2003, 2009 Pavel Baranov  
Copyright 2010 Dean Michael Berris Distributed  
Copyright 2005 Daniel Egloff. Distributed  
Copyright 2010 Thomas Claveirole  
Copyright 2005 John Maddock & Thorsten Ottosen  
Copyright 2015 Bruno Dutra  
Copyright 2007 David Deakins  
Copyright 2006-2008 Johan Rade  
Copyright 2002-2004, 2006, 2009 Vladimir Prus  
Copyright 2008 Author Matyas W Egyhazy  
Copyright 2011 Beman Dawes.&nbsp;nbsp;  
Copyright 2002 Raghavendra Satish  
Copyright 2002-2003 Juan Carlos Arevalo-Baeza  
Copyright 2012 Lee Hodgkinson  
Copyright 2010 Dean Michael Berris. <mikhailberis@gmail.com> Instead of using std tmpnam we  
Copyright 2008, 2010 Gunter Winkler <guw17@gmx.de>  
Copyright 2006 Eric Niebler Olivier Gygi. Distributed  
Copyright 2012 IBM Corp  
Copyright 2001 Dave Abrahams and Daryle Walker  
Copyright 2013 Nakhar Agrawal  
Copyright 2009 Trustees of Indiana University Authors Jeremiah Willcock Andrew Lumsdaine  
Copyright 2010 Thomas Heller For the example  
Copyright 2008 Gennaro Prota Distributed  
Copyright 2002 Jeff Garland and Beman Dawes  
Copyright 2008-2009 Ben Hanson os  
Copyright 2009-2012 David Abrahams Vicente Botet Ion Gaztanaga  
Copyright 2009 Dmitry Bufistov Andrew Sutton  
Copyright 2009 Dustin Spicuzza



Copyright 2000 John Maddock and Steve Cleary  
Copyright 2006-2007, 2011, 2013-2014 Paul Bristow  
Copyright 2004 Cromwell D. Enage  
Copyright 2002-2012 Paul Mensonides  
Copyright 1997-2001 University of Notre Dame. Author Jeremy G. Siek  
Copyright 2004-2014 boost  
Copyright 2012 Christoph Koke  
Copyright 2001-2012 Hartmut Kaiser Distributed  
Copyright 2007-2012 John Maddock & Paul A. Bristow  
Copyright 2001-2009, 2014 Steven J. Ross  
Copyright 2005-2007 Matthew Calabrese  
Copyright 2001 Daniel C. Nuffer  
Copyright 2015 Nuxi <https://nuxi.nl>  
Copyright 2012 ohn Maddock  
Copyright 2013 Ruslan Baratov  
Copyright 2002, 2004 Pavel Vozenilek  
Copyright 2002 Aleksey Gurtovoy ([agurtovoy@meta-comm.com](mailto:agurtovoy@meta-comm.com))  
Copyright 2005 Redshift Software Inc  
Copyright 2004 Bertolt Mildner  
Copyright 2014-2015 Boris Rasin and Antony Polukhin  
Copyright 2006-2007 notice to include the year  
Copyright 2000 Keld Helsgaun  
Copyright 2005 Voipster Indrek dot Juhani at voipster dot com  
Copyright 2003 Giovanni Bajo  
Copyright 2007 David Gleich  
Copyright 2005 Stefan Arentz  
Copyright 2005, 2007-2008 Aaron Windsor  
Copyright 2006 Alisdair Meredith  
Copyright 2009-2015 Karsten Ahnert  
Copyright 2013 Nikhar Agrawal  
Copyright 2001 Andrei Alexandrescu. Distributed  
Copyright 1999-2003 Jaakko Jarvi ([jaakko.jarvi@cs.utu.fi](mailto:jaakko.jarvi@cs.utu.fi))  
Copyright 2009 Trustees of Indiana University Author Jeremiah Willcock  
Copyright 2009 Tor Brede Vekterli  
Copyright 2010 Matthias Walter ([xammy@xammy.homelinux.net](mailto:xammy@xammy.homelinux.net))  
Copyright 2010 Gevorg Voskanyan  
Copyright 2001-2003 Dan Nuffer  
Copyright 2004-2012 Eric Niebler. Distributed  
Copyright 2000-2006 Jeremy Siek David Abrahams  
Copyright 1999-2001 Jaakko Jarvi ([jaakko.jarvi@cs.utu.fi](mailto:jaakko.jarvi@cs.utu.fi)) Gary Powell ([gwpowell@hotmail.com](mailto:gwpowell@hotmail.com))  
Copyright 2003 Roland Richter  
Copyright 2003 Synge Todo  
Copyright 2010 Niels Dekker  
Copyright 2010 Gordon Woodhull modified from MSMv2  
Copyright 2014 Ian Forbed  
Copyright 2013 Agustn Berg  
Copyright 2014 Christopher Kormanyos  
Copyright 2015 Edward Nevill  
Copyright 2009, 2013 Sebastian Redl Distributed  
Copyright 2002 Ronald Garcia  
Copyright 2003 Jaap Suter  
Copyright 2009-2011, 2014-2015 LRI UMR  
Copyright 2014 Boris Rasin Antony Polukhin  
Copyright 2005, 2010 Daniel Wallin David Abrahams  
Copyright 2011 Matthias Born  
Copyright 2002-2009 Vladimir Prus Robert Ramey and Takatoshi Kondo

Copyright 2009-2011 Gunter Winkler David Bellot  
Copyright 1998-1999 Greg Colvin and Beman Dawes  
Copyright 2005-2008 Matthias Troyer  
Copyright 2001-2008, 2010 Douglas Gregor  
Copyright 2002 Darin Adler. Distributed  
Copyright 2010 W.P. McNeill  
Copyright 2015 Charly Chevalier  
Copyright 2003 Institute of Transport Railway Construction and Operation University of Hanover Germany  
Copyright 2013 Evgeny Panasyuk  
Copyright 2014 Glen Fernandes  
Copyright 2001 Jens Mauer  
Copyright 2008-2011 Joachim Faulhaber Distributed  
Copyright 2004-2012, 2014 Eric Niebler  
Copyright 2015 Michael Caisse ciere.com  
Copyright 2015 Gregor de Cillia  
Copyright 1994-2015 Beman Dawes  
Copyright 2013 Nat Goodspeed  
Copyright 2009 Dean Michael Berris <me@deanberris.com>  
Copyright 2004 Ralf Mattethat  
Copyright 2000-2013 Joerg Walter Mathias Koch Athanasios Iliopoulos  
Copyright 2005 Pablo Aguilar  
Copyright 2002-2009 Daniel Frey  
Copyright 1999-2006 Cortex Software GmbH Kantstrasse  
Copyright 2008-2015 Marshall Clow  
Copyright Microsoft Corporation. All rights reserved.  
Copyright 2010 Larry Evans  
Copyright 2004 Brian Ravnsgaard Riis license Boost Software License  
Copyright 2002-2003 Herv Brnmimann Guillaume Melquiond Sylvain Pion  
Copyright 2009-2012 Lorenzo Caminiti Distributed  
Copyright 2008-2012 Simonson Lucanus  
Copyright 2013 Krzysztof Czainski  
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen  
Copyright 2013 Alex Korobka  
Copyright 1998-2005 Joel de Guzman Hartmut Kaiser  
Copyright 2009-2011 Christopher Schmidt  
Copyright 1986 International Organization for Standardization  
Copyright 2010 Georg Fritzsche  
Copyright 2003-2004, 2007-2010, 2012, 2014 Howard Hinnant  
Copyright 2014 Lee Clagett  
Copyright 2009 David Abrahams Vicente Botet  
Copyright 2011 Paul A. Bristow comments  
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen Andrew Lumsdaine  
Copyright 2002 R.W. Grosse-Kunstleve  
Copyright 2000-2003 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 2001 Eric Ford & Hubert Holin  
Copyright 2015 Mario Lang  
Copyright 2012, 2014 Pieter Bastiaan Ober  
Copyright 2006 David Abrahams Jeremy Siek Vladimir Prus  
Copyright 2010 Head Geek  
Copyright 2005 David Abrahams and Aleksey Gurtovoy. Distributed  
Copyright 2010-2011 Michael Caisse  
Copyright 2004, 2006 Michael Stevens  
Copyright 2002 Peter Dimov and David Abrahams  
Copyright 2000-2013 Joerg Walter Mathias Koch. David Bellot  
Copyright 2006-2010, 2012 Juergen Hunold  
Copyright 2000 Cadenza New Zealand Ltd Distributed

Copyright 2011-2013 Mario Mulansky Distributed  
Copyright (C) 2008 2009 Tim Blechmann based on code by Cory Nelson  
Copyright 2005-2006 Daniel Egloff Olivier Gygi. Distributed  
Copyright 2000 Gavin Collings  
Copyright 2006 Alexander Nasonov & Paul A. Bristow  
Copyright 2004-2007, 2010 Peder Holt  
Copyright 2002-2010, 2012 The Trustees of Indiana University  
Copyright 2011 Paul A. Bristow Inc Boost.Math  
Copyright 2007 Nikolay Mladenov  
Copyright 2002 Indiana University  
Copyright 2008 Gautam Sewani  
Copyright 2005-2006 Danny Havenith  
Copyright 2006 Eric Niebler Olivier Gygi  
Copyright 2013 Cromwell D. Enage Distributed  
Copyright 2001 Indiana University Author Jeremy G. Siek  
Copyright 2005 Jeremy G. Siek Authors Jeremy G. Siek  
Copyright 2001-2002 Python Software Foundation  
Copyright 2010 Just Software Solutions Ltd  
Copyright 2008 David Jenkins. Distributed  
Copyright 1999, 2001 Boost.org  
Copyright 2002-2003 Eric Friedman  
Copyright 2001 Samuel Krempp krempp@crans.ens-cachan.fr Distributed  
Copyright 2001 University of Notre Dame. Authors Jeremy G. Siek and Lie-Quan Lee  
Copyright 2011 ACM  
Copyright 2012 Google Inc  
Copyright 2013 University of Warsaw. Authors Piotr Wygocki  
Copyright 2001-2002 Joel de Guzman MT code  
Copyright 2003 Jonathan de Halleux  
Copyright 2015 Kohei Takahshi  
Copyright 2013 Tim Blechmann Linux-specific code by Phil Endecott  
Copyright 2008, 2010-2011 Christophe Henry  
Copyright 2007 Christoper Kohlhoff  
Copyright 2005 Matthias Troyer and Dave Abrahams  
Copyright 2009-2014 Vladimir Batov  
Copyright 2004 Stefan Slapeta  
Copyright 2001 Eric Ford  
Copyright Adam Wulkiewicz 2015  
Copyright 2012 Michele Cainsi  
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>  
Copyright 2012-2013 Martin Husemann  
Copyright 2004-2006 Olaf Krzikalla  
Copyright 2006 Olivier Gygi Daniel Egloff. Distributed  
Copyright 2000-2007 CrystalClear Software Inc  
Copyright 2007-2008 CodeRage LLC Author Jonathan Turkanis Contact turkanis at coderage dot com  
Copyright 2008-2010 Gordon Woodhull  
Copyright 2006 Boris Gubenko. HP-UX has  
Copyright 2010, 2012-2015 Vicente Botet  
Copyright 2011-2012 Brandon Kohn  
Copyright 2012 Fernando Vilas  
Copyright 2012 Boris Schaeling Distributed  
Copyright 2006 Stephan Diederich  
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock  
Copyright 2010 Dean Michael Berris  
Copyright 2005 troy  
Copyright 2007-2010 Frank Mori Hess  
Copyright 2002-2010 Andreas Huber Doenni Distributed

Copyright 2011 Paul A. Bristow - filename changes for boost-trunk  
Copyright 1991-2009 Unicode Inc  
Copyright 2010 Dean Michael Berris. Instead of using the potentially dangrous tempnam function that's part of the C standard library on Unix Linux we  
Copyright 2003-2004 Neil Groves & Thorsten Ottosen & Pavol Droba  
Copyright 2011 Paul Heil  
Copyright 2009 ArtVPS Ltd  
Copyright 2007 Paul  
Copyright 2009 Pablo Halpern  
Copyright 2009 Matthias Vallentin  
Copyright 2001-2013 Hartmut Kaiser  
Copyright 2014-2015 Steven Ross Distributed  
Copyright 2005 Terje Sletteb and Kevlin Henney  
Copyright 2007 Baruch Zilber  
Copyright 1999-2004, 2006 Jeremy Siek  
Copyright 2012-2014 Glen Joseph Fernandes glenfe at live dot com  
Copyright 2014-2015, 2024 John Fletcher  
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>  
Copyright 2002-2008 Robert Ramey and Joaquin M Lopez Munoz  
Copyright 2003 David Abrahams and Nikolay Mladenov  
Copyright 2013 Thomas Sailer  
Copyright 2004 Kristopher Beevers  
Copyright 2004 Vyacheslav E. Andrejev  
Copyright 2008-2013 Tim Blechmann  
Copyright 2004 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor  
Copyright 2011 Joerg Becker  
Copyright 2007 Matthias Troyer <troyer@boost-consulting.com>  
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee  
Copyright 2006 Ralf W. Grosse-Kunstleve & David Abrahams  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu)  
Copyright 2000 Maarten Keijzer  
Copyright 2008 Jorge Lodos  
Copyright 2001-2007 Hartmut Kaiser Revised  
Copyright 1995 Maarten Hilferink Amsterdam the Netherlands  
Copyright 2013 Paul A. Bristow. Added some Quickbook snippet markers  
Copyright 2000-2015 Peter Dimov  
Copyright 2008 Runar Undheim Robert Ramey & John Maddock  
Copyright 2000 Mark Rodgers  
Copyright 1999 Netscape Communications  
Copyright 2001 Stephen Silver  
Copyright 1998-2015 Joel de Guzman  
Copyright 2009, 2014-2015 Oliver Kowalke  
Copyright 2013 Andrey Semashev. Distributed  
Copyright 2003-2005 Thorsten Ottosen & Larry Evans  
Copyright 2013 Bjorn Roald  
Copyright 1992-1996, 1998-2006 Free Software Foundation Inc  
Copyright 1999 Beman Dawes and Daryle Walker  
Copyright 2003-2015 Christopher M. Kohlhoff  
Copyright 2002 John Maddock and Dave Abrahams  
Copyright 1997, 2009, 2014 Microsoft Corp  
Copyright 2010 Carl Philipp Reh  
Copyright 1998-2015 John Maddock  
Copyright 2014 Christoph Weiss  
Copyright 2003-2015 Joaquin M Lopez Muoz. Distributed  
Copyright 2010 Nuovation System Designs LLC Grant Erickson <gerickson@nuovations.com>  
Copyright 2003 Rational Discovery LLC Distributed

Copyright 2003-2009 Matthias Christian Schabel  
Copyright 2001-2004 Peter Dimov and Multi Media Ltd  
Copyright 2007-2012 Joachim Faulhaber  
Copyright 2013-2015 Oracle and or its affiliates  
Copyright 2002 William E. Kempf Distributed  
Copyright 2008 Bruno Lalande  
Copyright 2012, 2015 Agustin K-ballo Berge  
Copyright 2003-2011, 2014 LASMEA UMR  
Copyright 2004 Michael Glassford  
Copyright 2007 Stanford University Authors David Gleich  
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)  
Copyright 2001 Bruce Florman  
Copyright 2000-2006, 2012-2013 Daryle Walker  
Copyright 1999-2003 Jaakko Jarvi  
Copyright 2009 Phil Endecott  
Copyright 1999-2010 Aleksey Gurtovoy  
Copyright 2000, 2002 Gary Powell (gwpowell@hotmail.com)  
Copyright 2011 Boris Schaeling (boris@highscore.de)  
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de> Distributed  
Copyright 2009-2010 Datasim Education BV  
Copyright 2004 Jonathan Graehl  
Copyright 1997-2000 Metrowerks Corp  
(C) 2011-2013 Andrew Hundt <ATHundt@gmail.com>  
Copyright 2006-2008 Anthony Williams Distributed  
Copyright 2006 Thorsten Ottosen. Distributed  
Copyright 2006 Matthias Troyerk  
Copyright 2006 Tomas Puverle  
Copyright 2007-2008 Vladimir Prus David Abrahams Michael Stevens Hartmut Kaiser Ion Gaztanaga  
Copyright 2010 Josh Wilson  
Copyright 2009-2012 Vicente J.Botet Escriba  
Copyright 2004, 2009-2010 Chris Hoeppler  
Copyright 2004-2011 Michael Stevens David Bellot  
Copyright 2003 Vaclav Vesely  
Copyright 2002-2003 Herv Brnnimann  
Copyright 2001-2002 Daryle Walker and Stephen Cleary  
Copyright 2010-2011 Barend Gehrels  
Copyright 2013 Paul A. Bristow Doxygen comments changed  
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath  
Copyright 2003 Gunter Winkler Joerg Walter  
Copyright 2000 Steve Cleary Beman Dawes Howard Hinnant and John Maddock  
Copyright 2013 Cray Inc  
Copyright 2003-2009 Jan Gaspar  
Copyright 2009-2015 Artyom Beilis  
Copyright 2004-2015 Ion Gaztanaga  
Copyright 2001-2007 Joel de Guzman Dan Marsden Tobias Schwinger  
Copyright 2001 Vladimir Prus <ghost@cs.msu.su> Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor  
Copyright 2000 David Abrahams. Distributed  
Copyright 2014-2015 NumScale SAS  
Copyright 2004 Douglas Gregor and Jeremy Siek  
Copyright 2001-2007 Hartmut Kaiser --  
Copyright 2014 Renato Tegon Forti Antony Polukhin  
Copyright 2004 The Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2008, 2010 Intel Corp  
Copyright 2000-2005 Kevlin Henney

Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu)  
Copyright 2002-2005, 2014-2015 Peter Dimov. Distributed  
Copyright 2010 Sergey GooRoo Olendarenko  
Copyright 2013 Alberto Santini Author Alberto Santini <alberto@santini.in>  
Copyright 2002-2003 Guillaume Melquiond Sylvain Pion  
Copyright 2011-2012 Vicente J. Botet Escriba. Distributed  
Copyright 2003 Dan Watkins  
Copyright 2008 CodeRage LLC  
Copyright 2009, 2013 Carl Barron  
Copyright 2012 yyyy yyyy <typhoonking77@hotmail.com>  
Copyright 2007 CodeRage Author Jonathan Turkanis  
Copyright 2014-2015 Glen Joseph Fernandes  
Copyright 2009 Edward Grace  
Copyright 2000-2005 Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 2009 Yuriy Krasnoschek  
Copyright 2009 Daniel Frey and Robert Ramey  
Copyright 2001 Vladimir Prus <ghost@cs.msu.su>  
Copyright 2011 Simon West. Distributed  
Copyright 2006-2011 Andy Tompkins  
Copyright 2011 Jan Frederick Eick  
Copyright 2008 Lubomir Bourdev and Hailin Jin  
Copyright 2007-2008 Steven Watanabe Joseph Gauterin Niels Dekker  
Copyright 2005 Trustees of Indiana University Authors Andrew Lumsdaine Douglas Gregor  
Copyright 2002-2004, 2006 Ralf W. Grosse-Kunstleve  
Copyright 2002 Andrei Alexandrescu  
Copyright 2010-2011 David Bellot  
Copyright 2005-2007 Stefan Seefeld  
Copyright 2011-2013 Andrew Hundt  
Copyright 2005 Henry S. Warren  
Copyright 2003, 2006-2007 Daniel Walker  
Copyright 2010 Paul A. Bristow added Doxygen comments  
Copyright 2008-2010 Joseph Gauterin Niels Dekker  
Copyright 2012 K R Walker  
Copyright 3350, 3600, 3799, 6974 issues References <379990.36007.qm@web33507.mail.mud.yahoo.com>  
Copyright 2004-2010 Alexander Nasonov  
Copyright 2005-2012 Anthony Williams  
Copyright 2008-2013, 2015 Vicente J. Botet Escriba Distributed  
Copyright 2013 Antony Polukhin Move semantics implementation  
Copyright 2014 Erik Erlandson  
Copyright 2013-2014 Agustin Berge  
Copyright 2010-2012, 2014-2015 Andrii Sydorчук  
Copyright 2002, 2004 Herve Bronnimann  
Copyright 2006 Michael van der Westhuizen  
Copyright 1999 Kevlin Henney and Dave Abrahams  
Copyright 2005 Igor Chesnokov mailto:ichesnokov@gmail.com  
Copyright 2004 Joe Coder. Distributed  
Copyright 2011 Kwan Ting Chan  
Copyright 2011-2012 Nathan Ridge  
Copyright 2012-2014 Glen Fernandes. Distributed  
Copyright 2001 Housemarque Oy  
Copyright 2013 Kyle Lutz  
Copyright 2005-2006, 2009 Alexander Nasonov. Distributed  
Copyright 2013-2015 Boost.Test team  
Copyright 2013 Paul A. Bristow Doxygen comments changed for new  
Copyright 2005 to  
Copyright 2003 Bruce Barr Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek

Copyright 2015 Ion Gaztanaga. Distributed  
Copyright 2010 Igor R  
Copyright 2009-2012, 2014 Marco Guazzone  
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Lie-Quan Lee Andrew Lumsdaine  
Copyright 2014 MetaScale SAS  
Copyright 2008-2012 Daniel Walker Eric Niebler Michel Morin  
Copyright 2009-2011 Helge Bahmann  
Copyright 2004 Douglas Gregor and Jeremy Siek Distributed  
Copyright 2010 Olaf Peter  
Copyright 2010-2012 Thomas Mang  
Copyright 2006 Stephen Nutt  
Copyright 2009 Pablo Halpern. Distributed under the Boost Software License Version  
Copyright 2002 Martin Ecker  
Copyright 2005 Vladimur Prus  
Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler  
Copyright 2003, 2006 Gottfried Ganauge  
Copyright 2010-2013 Thomas Heller  
Copyright 2001 Doug Gregor  
Copyright 2013 Alain Miniussi <alain.miniussi@oca.eu>  
Copyright 2005-2011 Daniel James  
Copyright 2013 Pascal Germroth  
Copyright 2003 Giovanni Bajo Copyrigh  
Copyright 2012 Oswin Krause  
Copyright 2000 John Maddock (john@johnmaddock.co.uk)  
Copyright 2005 Sergej Shandar  
Copyright 2010, 2012 Christopher Schmidt Nathan Ridge  
Copyright 2003-2007 Jonathan Turkanis Distributed  
Copyright 2002-2004 Martin Wille  
Copyright 2013 Paul A. Bristow additions for more colors and alignments  
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee  
Copyright 2001, 2015 Raffi Enficiaud  
Copyright 2003 Rational Discovery LLC  
Copyright 2009-2011 Steven Watanabe Distributed  
Copyright 2010 Thomas Claveirole Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Thomas Claveirole  
Copyright 2002-2003 David Moore William E. Kempf  
Copyright 2002 Marc Wintermantel (wintermantel@imes.mavt.ethz.ch) ETH Zurich Center of Structure Technologies  
Copyright 2008 Gunter Winkler <guwi17@gmx.de> Thanks to Tiago Requeijo for providing  
Copyright 2004-2006 Arkadiy Vertleyb  
Copyright 1999-2001 Paul Moore  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University  
(lums@osl.iu.edu). Distributed  
Copyright 2010 Ilya Murav'jov  
Copyright 2012 David Bailey  
Copyright 2010 Ignacy Gawedzki  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University  
(lums@osl.iu.edu)  
Copyright 2002, 2004-2009, 2012 Trustees of Indiana University  
Copyright 2006 Marcin Kalicinski Distributed  
Copyright 2009-2010, 2013, 2015 Sebastian Redl  
Copyright 2001, 2006 &nbsp; John Maddock  
Copyright 2001-2003 Mac Murrett  
Copyright 2007-2015 Barend Gehrels Amsterdam the Netherlands  
Copyright 2013 Andreas Pokorny  
Copyright 2010-2011 Jeroen Habraken  
Copyright 2001-2002 Hubert Holin and Daryle Walker  
Copyright 2012 David Stone

Copyright 2004-2009 Robert Ramey Martin Ecker and Takatoshi Kondo  
Copyright 2001-2002 Jeremy Siek and John R. Bandela  
Copyright 2013 Petr Machata Red Hat Inc  
Copyright 2009 Jesse Williamson  
Copyright 2011 Garmin Ltd. or its subsidiaries  
Copyright 2012 Duncan Exon Smith  
Copyright 2005 Ion Gaztaaga  
Copyright 2001 Francois Faure  
Copyright 2014 iamvfx@gmail.com  
Copyright 2011 Robert Nelson  
Copyright 2009 Eric Moyer -  
Copyright 2010 Neil Groves Distributed  
Copyright 2000-2001 Gary Powell (gary.powell@sierra.com)  
Copyright 2002-2004 David Abrahams and Aleksey Gurtovoy  
Copyright 2012-2015 Louis Dionne  
Copyright 2002-2006 Pavol Droba  
Copyright 2012-2015 Kohei Takahashi  
Copyright 2011-2015 Akira Takahashi  
Copyright 2009 Jean-Francois Ostiguy  
Copyright 2012-2013 Rajeev Singh  
Copyright 2013 Andrey  
Copyright 2007-2008 Anthony Williams ifndef THREAD  
Copyright 2005-2007 Douglas Gregor <doug.gregor@gmail.com>  
Copyright 1996 Ronald Van Iwaarden  
Copyright 2012 Benjamin Sobotta  
Copyright 2009 Nasos Iliopoulos Gunter Winkler  
Copyright 2006-2007, 2009-2010 Andy Tompkins. Distributed  
Copyright 2000-2003, 2006 Jens Maurer  
Copyright 2013 John Maddock Antony Polukhin  
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)  
Copyright 2012 Paul A. Bristow with new tests  
Copyright 2007-2010 Andrew Sutton  
Copyright 2014 Kohei Takahashi Distributed  
Copyright 2013 John Maddock Distributed  
Copyright 2005 Jong Soo Park  
Copyright 2004 Rani Sharoni Robert Ramey Pavel Vozenilek and Christoph Ludwig  
Copyright 2011 Laurent Gomila  
Copyright 2011 Roji Philip  
Copyright 2001-2003 Douglas Gregor (gregod@cs.rpi.edu)  
Copyright 2013-2014 Damien Buhl  
Copyright 2008 Michael Marcin  
Copyright 2004 Robert Ramey Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)  
Copyright 2008, 2014 Thijs van den Berg  
Copyright 2004-2007 Daniel Wallin  
Copyright 2014 Glen Fernandes C  
Copyright 1999-2003 Boris Fomitchev  
Copyright 2014 Jessica Hamilton  
Copyright 2000 Jeremy Siek and Andrew Lumsdaine  
Copyright 2010 Eric Jourdanneau Joel Falcou Distributed  
Copyright 2012 Leo Goodstadt  
Copyright 2012 Authors David Doria  
Copyright 1999, 2001-2003 Dave Abrahams  
Copyright 2004 Jonathan Brandmeyer  
Copyright 2002 Rani Sharoni (rani\_sharoni@hotmail.com) and Robert Ramey  
Copyright 2011, 2013-2014 Jamboree



Copyright 2004 Angus Leeming  
Copyright 2006 Xiaogang Zhang  
Copyright 2002-2003 Beman Dawes Boost.Filesystem Distributed  
Copyright 2001 Francois Faure iMAGIS-GRAVIR UJF  
Copyright 2005 Christopher Diggins  
Copyright 2008 N. Musatti  
Copyright 2001-2009 Daniel Nuffer  
Copyright 2002 Robert Ramey-  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
Copyright 2012 Benjamin Schindler  
Copyright 2007 Douglas Gregor and Matthias Troyer  
Copyright 2006 Trustees of Indiana University Authors Jeremy G. Siek and Douglas Gregor <dgregor@cs.indiana.edu>  
Copyright 2001 Gennadiy Rozental & Ullrich Koethe  
Copyright 2001 Jeremy Siek Douglas Gregor Brian Osman  
Copyright 2007 Noel Belcourt  
Copyright 2001 Dietmar Kuehl  
Copyright 2005-2006 Shunsuke Sogame  
Copyright 2005-2006, 2008-2015 Rene Rivera  
Copyright 2003 Pavel Vozenilek and Robert Ramey -  
Copyright 2010 Peter Schueller  
Copyright 2006 Piotr Wyderski  
Copyright 2002 Craig Henderson  
Copyright 1997 Moscow Center for SPARC Technology  
Copyright 2002 Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2001-2012, 2014 Thomas Bernard  
Copyright 2002 Brad King and Douglas Gregor  
Copyright 20142014 Matei David  
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com) Distributed  
Copyright 2005-2006 Michael Drexl  
Copyright 2003-2007 Jonathan Turkanis  
Copyright 2000-2002 David Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 2014 Ben Pope  
Copyright 2007, 2011-2015 John Maddock. Distributed  
Copyright 2003 Peter Dimov Distributed  
Copyright 2002-2004, 2007-2010 Robert Ramey  
Copyright 2009-2010 Tim Blechmann Distributed  
Copyright 2009 Troy D. Straszheim  
Copyright 2005 Eric Niebler Daniel Egloff. Distributed  
Copyright 2005 Daniel Egloff Eric Niebler  
Copyright 2003-2004 Jeremy B. Maitin-Shepard  
Copyright 2002, 2007, 2014 Peter Dimov.&nbsp;nbsp;  
Copyright 2008-2010 Gordon Woodhull Distributed  
Copyright 2008-2010, 2012 Paul A. Bristow John Maddock  
Copyright 2008 Roelof Naude  
Copyright 2011 Francois Mauger  
Copyright 2001 Indiana University. Author Jeremy G. Siek  
Copyright 2012 Lucanus Simonson  
Copyright 2003 Rational Discovery LLC. Distributed  
Copyright 1999-2003 Dave Abrahams and Daniel Walker  
Copyright 2009 Spirent Communications Inc  
Copyright 2002-2006 Gennaro Prota  
Copyright 2005-2011 Daniel James Distributed  
Copyright 2007-2008 Joseph Gauterin  
Copyright 2002 Ronald Garcia Jeremy Siek  
Copyright 2013 Niall Douglas additions for colors and alignment  
Copyright 2012 Adam D. Walling

Copyright 2000-2002 John R. Bandela  
Copyright 2003 David Abrahams and Jeremy Siek  
Copyright 1999-2004 Jeremiah Willcock  
Copyright 2005 Peter Dimov For Boost Phoenix  
Copyright 2004 Robert Ramey and Martin Ecker  
Copyright 2013 Ankur Sinha  
Copyright 2009-2015 Adam Wulkiewicz Lodz Poland  
Copyright 2011 Thomas Heller Distributed  
Copyright 2009 Trustees of Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Michael Hansen  
Copyright 1997-2001 University of Notre Dame  
Copyright 2001-2002 Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee  
Copyright 2013 Maciej Piechotka Authors Maciej Piechotka  
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math  
Copyright 2002 Brad King (brad.king@kitware.com)  
Copyright 2005 Felix Hfling Guillaume Melquiond  
Copyright 2000-2008 Fernando Luis Cacciola Carballal  
Copyright 2008 Peter Kankowski  
Copyright 2011 Christopher Jefferson  
Copyright 2005-2008 Adobe Systems Inc  
Copyright 2012-2013 Andreas Angelopoulos  
Copyright 2013 Christopher Brown  
Copyright 2006 David Abrahams -  
Copyright 2002 Marc Wintermantel (wintermantel@even-ag.ch) ETH Zurich Center of Structure Technologies  
Copyright 2001 Universite Joseph Fourier Grenoble. Author Francois Faure  
Copyright 2003 Gustavo Guerra  
Copyright 2001 Lie-Quan Lee  
Copyright 2009-2014 Steven Ross  
Copyright 2006 Trustees of Indiana University Authors Douglas Gregor and Jeremy Siek  
Copyright 2002-2005 Andreas Huber Doenni  
Copyright 2003-2014 Neil Groves  
Copyright 2003, 2005-2006 David Abrahams Daniel Wallin  
Copyright 2009-2015 Mateusz Loskot London UK  
Copyright 2009 Brian Ravnsgaard and Kenneth Riddile  
Copyright 2001, 2003 Samuel Krempp  
Copyright 2000-2003 Gary Powell (powellg@amazon.com)  
Copyright 2003 Thomas Becker  
Copyright 2005 Daniel K. O  
Copyright 2009-2011 Frederic Bron  
Copyright 2014-2015 John Fletcher Distributed  
Copyright 2006-2007 Matias Capeletto  
Copyright 2013 Paul Bristow Distributed  
Copyright 2007, 2015 John Maddock and Paul A. Bristow. Distributed  
Copyright 2009 Arno Schoedl & Neil Groves  
Copyright 2001 Mat Marcus Jesse Jones and Adobe Systems Inc  
Copyright 2000, 2010 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant and John Maddock  
Copyright 2012 Philipp Moeller  
Copyright 2006-2013 Emil Dotchevski and Reverage Studios Inc  
Copyright 2004-2005 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor  
D. Kevin McGrath  
Copyright 2003 Christof Meerwald  
Copyright 2001-2002 Daryle Walker and Paul Moore  
Copyright 2014 Franz Detro  
Copyright 2000 Cadenza New Zealand Ltd  
Copyright 2005-2014 Daniel James. Distributed  
Copyright 2012 Phil Endecott Distributed  
Copyright 2007-2008 David Jenkins

Copyright 2011 Dean Michael Berries  
Copyright 2009 Sascha Ochsenknecht  
Copyright 2008, 2010-2011 Christophe Henry henry UNDERSCORE christophe AT hotmail DOT com  
Copyright 2009-2010 Paul A. Bristow & John Maddock  
Copyright 2009 Gunter Winkler  
Copyright 2003-2015 Joaquin M Lopez Munoz. Distributed  
Copyright 2014-2015 Ahmed Charles  
Copyright 2013 Eurodecision  
Copyright 2013 Christian Shelton  
Copyright 2001, 2003-2005 Hubert Holin  
Copyright 2005 Jim Douglas  
Copyright 2001-2015 Gennadiy Rozental  
Copyright 2004-2005 Arkadiy Vertleyb Distributed  
Copyright 2005 Keith MacDonald  
Copyright 2001-2003 William E. Kempf  
Copyright 2011 Kwan Ting Chan Based from bug report submitted by Xiaohan Wang  
Copyright 2009 Paul A. Britow  
Copyright 2007 Sebastian Ramacher  
Copyright 2012 Denis Demidov  
Copyright 2004-2006 Joao Abecasis  
Copyright 2013 Pascal Germroth Distributed  
Copyright 2001-2002 Chuck Allison and Jeremy Siek  
Copyright 2008 Frank Mori Hess. Distributed  
Copyright 2003, 2006 Bruno da Silva de Oliveira  
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock  
Copyright 2002 Lars Gullik Bjnnes <larsbj@lyx.org>  
Copyright 2013 Eurodecision Authors Guillaume Pinot  
Copyright 2002 Vahan Margaryan  
Copyright 2003 Vesa Karvonen  
Copyright 2001-2002 Bill Kempf  
Copyright 2006 Prabhu Ramachandran  
Copyright 1998-2000 Dr John Maddock  
Copyright 2013-2014 Anton Bikineev  
Copyright 2012 Michele Caini. Distributed  
Copyright 2013 Christopher Kormanyos. Distributed  
Copyright 2002-2003, 2005, 2007 Markus Schoepflin  
Copyright 2006-2007 Roland Schwarz  
Copyright 2010 Alfredo Correa  
Copyright 2014 Marek Kurdej  
Copyright 2010 Nuovation System Designs LLC  
Copyright 2000 Jeremy Siek (jsiek@lsc.nd.edu)  
Copyright 2002-2013 Thorsten Ottosen  
Copyright 2006-2009 Dmitry Bufistov and Andrey Parfenov  
Copyright 2002-2014 Christopher Kormanyos  
Copyright 2010 Daniel Trebbien  
Copyright 2006-2007 Boris Gubenko  
Copyright 2005-2009 Jongsoo Park  
Copyright 2015 Deniz Bahadir  
Copyright 2003-2008 Tobias Schwinger  
Copyright 2007 Frank Birbacher  
Copyright 2002-2010 Fernando Cacciola  
Copyright 2000 Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock  
Copyright 2002 Jan Langer  
Copyright 2005 Niall Douglas  
Copyright 2013 Tim Blechmann ARM Code by Phil Endecott based on other architectures  
Copyright 2007-2015 Andrey Semashev

Copyright 2005 Eric Niebler Michael Gauckler. Distributed  
Copyright 2014 Riccardo Marcangelo  
Copyright 2002 Jeff Westfahl  
Copyright 1997-2001 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2007, 2010 Paul A  
Copyright 2002 H Lohninger TU Wein H.Lohninger Teach Me Data Analysis Springer-Verlag Berlin-New York-Tokyo  
Copyright 2011 Colin Rundel  
Copyright 2011 Ryan Molden  
Copyright 2007-2009 Ben Hanson  
Copyright 2014-2015 Andrzej Krzemiński  
Copyright 2002-2007, 2009 Marcin Kalicinski  
Copyright 2011-2015 Antony Polukhin  
Copyright 2005-2006 Ion Gaztaaga and Peter Dimov  
Copyright 2011 Jlio Hoffmann  
Copyright 2012, 2015 Joel Falcou  
Copyright 2005-2006 Alain Miniussi  
Copyright 2003 Dave Abrahams and Thomas Becker  
Copyright 2000-2010 Joerg Walter Mathias Koch Gunter Winkler David Bellot  
Copyright 2005 Carl Barron. Distributed  
Copyright 2004-2005, 2012 Eric Niebler Distributed  
Copyright 2012 Flavio De Lorenzi (fdlorenzi@gmail.com)  
Copyright 2000-2001 Stephen Cleary  
Copyright 2010 Gaetano Mendola  
Copyright 1999 Beman Dawes Dave Abrahams  
Copyright 2012-2013 Karsten Ahnert Distributed  
Copyright 2002-2009 Vladimir Prus and Robert Ramey  
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich based on hellp-world  
Copyright 1999-2006, 2009 David Abrahams  
Copyright 2005 Ben Hutchings  
Copyright 2005-2008 Dan Marsden  
Copyright 2013 Sergue E. Leontiev  
Copyright 2001-2002 Terje Slettebo  
Copyright 2003 David Abrahams and Gottfried Ganssauge  
Copyright 2000-2004 Joerg Walter Mathias Koch  
Copyright 2004-2006 David Abrahams & Ralf W. Grosse-Kunsteve  
Copyright 2002-2003 Toon Knappen Kresimir Fresl Joerg Walter  
Copyright 2006 Tiago de Paula Peixoto <tiago@forked.de>  
Copyright 2002-2005 Guillaume Melquiond  
Copyright 1995-2001 Beman Dawes and Ullrich Koethe  
Copyright 2007, 2011 Emil Dotchevski  
Copyright 2005 Peder Holt Distributed  
Copyright 2005 Daniel Egloff Eric Niebler. Distributed  
Copyright 2005 Arkadiy Vertleyb Peder Holt  
Copyright 1999-2001 David Abrahams Jeremy Siek Daryle Walker  
Copyright 2011 Aaron Graham  
Copyright 2000-2011 Joerg Walter Mathias Koch David Bellot  
Copyright 2008-2015 Bruno Lalande Paris France  
Copyright 2005 Jordan DeLong  
Copyright 2008-2015 Vicente J. Botet Escriba  
Copyright 2007 Alexey Baskakov  
Copyright 2011 Brian O'Kennedy  
Copyright 2003-2009 Joaquin M Lopez Munoz  
Copyright 2006 Douglas Gregor scope  
Copyright 1995-2010 Geodan Amsterdam the Netherlands  
Copyright 2014 Jim Bell  
Copyright 2008 Jurko Gospodnetic



The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2001 Nicolai M. Josuttis  
Copyright 2014-2015 John Fletcher  
Copyright 2014-2015 Samuel Debionne Grenoble France  
Copyright 2016-2017 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle  
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle  
Copyright 2008 Federico J. Fernandez  
Copyright 2004 Aaron W. LaFramboise Roland Schwarz Michael Glassford  
Copyright 2016 Chris Glover  
Copyright 2008 Rep Invariant Systems Inc. (info@repinvariant.com)  
Copyright 1998-2017 John Maddock  
Copyright 2003 Ross Smith  
Copyright 1994 Hewlett-Packard Co  
Copyright 2009, 2013-2017 Oliver Kowalke  
Copyright 2007 Timmo Stange  
Copyright 2016 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle  
Copyright 2006-2016 Emil Dotchevski and Reverge Studios Inc  
Copyright 2012 Beman Daves  
Copyright 2014 Benoit  
Copyright 2001-2003 Toon Knapen  
Copyright 2010 Eric Jourdanneau Joel Falcou  
Copyright 2014-2016 Kohei Takahashi  
Copyright Joachim Faulhaber 2010  
Copyright 2010 Dean Michael Berris Distributed  
Copyright 2016 Tony Lewis  
Copyright 2010 Thomas Claveirole  
Copyright 2011 Jamboree  
Copyright 2007 David Deakins  
Copyright 2006-2008 Johan Rade  
Copyright 2013-2017 Oracle and or its affiliates. Contributed and or modified by Adam Wulkiewicz on behalf of Oracle  
Copyright 2008 Author Matyas W Egyhazy  
Copyright 2010 Dean Michael Berris. <mikhailberis@gmail.com> Instead of using std tmpnam we  
Copyright 2005-2013 Ion Gaztanaga Distributed  
Copyright 2011-2016 Renato Tegon Forti Antony Polukhin  
Copyright 2003-2006 Gennaro Prota  
Copyright 2013-2014 Agustin Berge  
Copyright 2001-2002 Daniel C. Nuffer  
Copyright 2012-2017 Glen Fernandes. Distributed  
Copyright 2009-2011 Artyom Beilis  
Copyright 2004-2014 boost

Copyright 2011-2013, 2015-2016 John Maddock. Distributed  
Copyright 2013 &nbsp; Edward Diener  
Copyright 2003, 2008 Fernando Luis Cacciola Carballal  
Copyright 2002, 2004 Pavel Vozenilek  
Copyright 2006-2007 notice to include the year  
Copyright 2016 Alexander Zaitsev <zamazan4ik@gmail.com>  
Copyright 2005 Voipster Indrek dot Juhani at voipster dot com  
Copyright 2003 Giovanni Bajo  
Copyright 2005 Stefan Arentz  
Copyright (c) 2016 Norbert Wenzel  
Copyright 2013 Nikhar Agrawal  
Copyright 2015-2016 Klemens D. Morgenstern  
Copyright 2005-2017 Daniel James. Distributed  
Copyright 2003 Synge Todo  
Copyright 2010 Niels Dekker  
Copyright&nbsp;Tobias Schwinger 2005-2007  
Copyright 2014 Ian Forbed  
Copyright (c) 2016 Lee Clagett Distributed under the Boost Software License Version  
Copyright 2014 Christpher Kormanyos  
Copyright 2014 Boris Rasin Antony Polukhin  
Copyright 2005-2016 Daniel James  
Copyright 2010, 2012, 2016 Vicente J. Botet Escriba Distributed  
Copyright 1998-1999 Greg Colvin and Beman Dawes  
Copyright 2005-2008 Matthias Troyer  
Copyright 2002-2014, 2016 Christopher Kormanyos  
Copyright 2002 Darin Adler. Distributed  
Copyright 2010 W.P. McNeill  
Copyright 2015 Charly Chevalier  
Copyright 2008, 2014, 2016 Jorge Lodos  
(C) Copyright 2011-2013 Andrew Hundt <ATHundt@gmail.com>  
Copyright 2013 Anton Bikineev  
Copyright 2013, 2015 Muhammad Junaid Muzammil <mjunaidmuzammil@gmail.com>  
Copyright 2002-2004, 2007-2008 Robert Ramey  
Copyright 2009 Dean Michael Berris <me@deanberris.com>  
Copyright 2004 Ralf Mattethat  
Copyright 2014-2015 Antony Polukhin antoshkka at gmail dot com  
Copyright 2001-2006, 2012 Daryle Walker  
Copyright 2006-2009 Andy Tompkins  
Copyright 2009-2011 Christopher Schmidt  
Copyright 2004-2005, 2008, 2010-2011 Eric Niebler  
Copyright 2003 Thomas Witt  
Copyright 2002 R.W. Grosse-Kunstleve  
Copyright 2011-2017 Adam Wulkiewicz Lodz Poland  
Copyright 2014 Paul Bristow  
Copyright 1997-2001 University of Notre Dame  
Copyright 2001-2012 Hartmut Kaiser  
Copyright 2009, 2012 Boris Schaeling  
Copyright 2001 Eric Ford & Hubert Holin  
Copyright (c) 201 5 Robert Ramey Indiana University (garcia@osl.iu.edu) Use modification and distribution is subject to the  
Boost Software License Version 1.0. (See accompanying file LICENSE\_1\_0.txt or copy at  
Copyright&nbsp;Vladimir Batov 2009-2016  
Copyright 2000 Cadenza New Zealand Ltd Distributed  
Copyright 2002 Chris Uzdavinis  
Copyright 2006 Alexander Nasonov & Paul A. Bristow  
Copyright 2002 Bill Kempf  
Copyright 2003-2017 Joaquin M Lopez Munoz. Distributed

Copyright 2011-2012 Ankit Daftery  
Copyright 2001 Hubert Holin  
Copyright 2010 Just Software Solutions Ltd  
Copyright 2002-2003 Eric Friedman  
Copyright 2002-2011 Paul Menssonides  
Copyright 2011 ACM  
Copyright 2000-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)  
Copyright 2012 Google Inc  
Copyright 2003-2004, 2006 Joaquin M Lopez Muoz. Distributed  
Copyright 2013 University of Warsaw. Authors Piotr Wygocki  
Copyright 2015 Kohei Takahshi  
Copyright 2003-2008 Matthias Christian Schabel  
Copyright 2013 Tim Blechmann Linux-specific code by Phil Endecott  
Copyright 2007 Christopher Kohlhoff  
Copyright 2005 Matthias Troyer and Dave Abrahams  
Copyright 2001-2003 Daniel Nuffer  
Copyright 2004 Stefan Slapeta  
Copyright 2001 Eric Ford  
Copyright 2013-2015 Kyle Lutz <kyle.r.lutz@gmail.com>  
Copyright 2004-2006 Olaf Krzikalla  
Copyright 2007-2008 CodeRage LLC Author Jonathan Turkanis Contact turkanis at coderage dot com  
Copyright 2006-2014, 2016 Paul A. Bristow  
Copyright 1989, 2013-2014 Mageswaran.D <mageswaran1989@gmail.com>  
Copyright 2006 Boris Gubenko. HP-UX has  
&copy; Copyright Hervé Brnmann Polytechnic University 2002--2004  
Copyright 2002-2005 Peter Dimov. Distributed  
Copyright 2010 Dean Michael Berris  
Copyright 2001-2014 Steven J. Ross  
Copyright 2014 Alexander Lauser. Authors Alexander Lauser  
Copyright 2007, 2009-2010 Andy Tompkins. Distributed  
Copyright 2010 Dean Michael Berris. Instead of using the potentially dangerous tempnam function that's part of the C standard library on Unix Linux we  
Copyright 2001-2002 Darin Adler  
Copyright 2009 Pablo Halpern  
Copyright 2005 Terje Sletteb and Kevlin Henney  
Copyright 2013 Thomas Sailer  
Copyright 2015-2017 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle  
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle  
Copyright 2017 Bjorn Reese  
Copyright 2008-2015, 2017 Marshall Clow  
Copyright 2007 Matthias Troyer <troyer@boost-consulting.com>  
Copyright 2011-2017 Antony Polukhin  
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee  
Copyright 2017 Hans Dembinski  
Copyright 2009 Chris Hoeppler  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu)  
Copyright 2010 Neil Groves  
Copyright 1999, 2003 Dave Abrahams  
Copyright 2007-2017 Andrey Semashev  
Copyright 2013 Paul A. Bristow. Added some Quickbook snippet markers  
Copyright 1999-2004 Aleksey Gurtovoy  
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 2005-2016 Rene Rivera  
Copyright 2003-2005 Thorsten Ottosen & Larry Evans  
Copyright 2014-2016 Andrzej Krzemiński  
Copyright 2001-2013 Hartmut Kaiser. Distributed



Copyright 2010 Nuovation System Designs LLC Grant Erickson <gerickson@nuovations.com>  
Copyright 2001-2004 Peter Dimov and Multi Media Ltd  
Copyright (c) 2015 Klemens D. Morgenstern Distributed under the Boost Software License Version  
Copyright 1999-2001, 2004 Jeremy Siek  
Copyright 2014 Athanasios Iliopoulos  
Copyright&nbsp; Rene Rivera 2013-2014  
Copyright 2004 Michael Glassford  
Copyright 1999-2003 Jaakko Jarvi  
Copyright 2009 Phil Endecott  
Copyright 2011 Boris Schaeling (boris@highscore.de)  
Copyright 2004 Jonathan Graehl  
Copyright 2004-2017 Ion Gaztanaga  
Copyright Alexander Nasonov Lorenzo Caminiti 2006-2012  
Copyright 2015-2016 Jason Rice  
Copyright 2013, 2015 Sebastian Redl  
Copyright 2005-2016 Daniel James Distributed  
Copyright 2016 Rene Rivera Distributed under the Boost Software License Version  
Copyright 2013-2014 Denis Demidov  
Copyright 2001-2017 Peter Dimov  
Copyright 2007 Aaron Windsor  
Copyright 2009-2016 Vicente J. Botet Escriba  
Copyright 2014-2015, 2017 Glen Joseph Fernandes  
Copyright 2015-2016 Jakub Szuppe <j.szuppe@gmail.com>  
Copyright 2013 Paul A. Bristow Doxygen comments changed  
Copyright (c) 2004 Trustees of Indiana University -- -- Distributed under the Boost Software License Version  
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath  
Copyright&nbsp; Matias Capeletto 2006-2007  
Copyright 2002-2004, 2009 Vladimir Prus  
Copyright 2013 Cray Inc  
Copyright 2003-2009 Jan Gaspar  
Copyright 2009-2010 Vicente J. Botet Escriba . Distributed  
Copyright 2003-2007, 2009 Thorsten Ottosen  
Copyright 2000-2005 Kevlin Henney  
Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu)  
Copyright 2014 Ahmed Charles  
Copyright 2012-2016 Klemens Morgenstern  
Copyright 2011-2012 Vicente J.Botet Escriba. Distributed  
Copyright 2003 Dan Watkins  
Copyright 2005-2006, 2011, 2015-2016 Stefan Seefeld  
Copyright 2008 CodeRage LLC  
Copyright 2014, 2016 Lee Clagett  
Copyright 2000-2005 Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 1998-2016 Joel de Guzman  
Copyright 2009 Daniel Frey and Robert Ramey  
Copyright 2014 Fabian K  
Copyright 2012 Karsten Ahnert Distributed  
Copyright 2007-2008 Steven Watanabe Joseph Gauterin Niels Dekker  
Copyright 2013-2017 Louis Dionne  
Copyright 2011-2013 Renato Tegon Forti  
Copyright 2002 Andrei Alexandrescu  
Copyright 2001-2007, 2010 Douglas Gregor  
Copyright 2011-2013 Andrew Hundt  
Copyright 2010 Paul A. Bristow added Doxygen comments  
Copyright 2005-2012 Anthony Williams  
Copyright 2013 Antony Polukhin Move semantics implementation

Copyright 2000-2006 David Abrahams  
Copyright 2008-2016 Tim Blechmann  
Copyright 2007-2017 Barend Gehrels Amsterdam the Netherlands  
Copyright 2004 Joe Coder. Distributed  
Copyright 2011 Kwan Ting Chan  
Copyright 2016 Szabolcs Toth (thszabi@gmail.com)  
Copyright 2013 Paul A. Bristow Doxygen comments changed for new  
Copyright 2003 Bruce Barr Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Lie-Quan Lee Andrew Lumsdaine  
Copyright 2009-2011 Helge Bahmann  
Copyright 2008 Ilya Sokolov Boris Schaeling  
Copyright 2002 Herv  
copyright (c) 2016 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle  
Copyright Jason Rhinelander 2016  
Copyright 2005 Vladimur Prus  
Copyright 2003, 2006 Gottfried Ganauge  
Copyright 2010-2013 Thomas Heller  
Copyright 1994, 1999-2011, 2013-2015, 2017 Beman Dawes  
Copyright 2005-2007 Dan Marsden  
Copyright 2015 NumScale SAS  
Copyright 2014 Benoit Dequidt <benoit.dequidt@gmail.com>  
Copyright 2005 Sergey Shandar  
Copyright 2010, 2012 Christopher Schmidt Nathan Ridge  
Copyright 2003-2007 Jonathan Turkanis Distributed  
Copyright 2012 Nathan Ridge  
Copyright 2000-2003 Jens Maurer  
Copyright 2010 Thomas Claveirole Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Thomas Claveirole  
Copyright 2002-2003 David Moore William E. Kempf  
Copyright (c) 2008-2016 Emil Dotchevski and Reverse Studios Inc. NL NL Distributed under the Boost Software License Version  
Copyright 2006 &nbsp; Eric Niebler  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu). Distributed  
Copyright 2014 Glen Joseph Fernandes glenfe at live dot com  
Copyright 2006 Arkadiy Vertleyb  
Copyright 2010 Ignacy Gawedzki  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)  
Copyright 2001, 2006 &nbsp; John Maddock  
Copyright Jeremy W. Murphy 2015  
Copyright 2001, 2006 Ralf W. Grosse-Kunstleve  
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2016-2017 Mikhail Maximov  
Copyright 2010-2012 D. E. Shaw Research. All rights reserved.  
Copyright 2001-2002 Hubert Holin and Daryle Walker  
Copyright 2012 David Stone  
Copyright 2004-2009 Robert Ramey Martin Ecker and Takatoshi Kondo  
Copyright 2011 Garmin Ltd. or its subsidiaries  
Copyright 2015 Jakub Pola <jakub.pola@gmail.com>  
Copyright 2005 Ion Gaztaaga  
Copyright 2004 Herve Bronnimann  
Copyright 2002-2003 Martin Wille  
Copyright 2002-2006 Pavol Droba  
Copyright (c) 2016 Karolin Varner  
Copyright (c) 2008 Beman Dawes Distributed under the Boost Software License Version  
(C) Copyright Daniel Frey 2002-2016

Copyright 2001 Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee  
Copyright 2005-2007 Douglas Gregor <doug.gregor@gmail.com>  
Copyright 2006-2007 Julio M. Merino Vidal  
Copyright 2013 John Maddock Distributed  
Copyright 2014 Microsoft Corp  
Copyright 2002-2007 Marcin Kalicinski  
Copyright 2013-2015 Nat Goodspeed  
Copyright 2008-2009 Howard Hinnant  
Copyright 2014 Kyle Lutz <kyle.r.lutz@gmail.com> Distributed  
Copyright 2016 Ashish Sadanandan  
Copyright 2013-2014 Damien Buhl  
Copyright 2008 Michael Marcin  
Copyright 2004 Robert Ramey Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)  
Copyright 2002-2005 CrystalClear Software Inc  
Copyright 2004-2007 Daniel Wallin  
Copyright 2009-2016 Mateusz Loskot London UK  
Copyright 2014 Glen Fernandes C  
Copyright 2009-2016 Vladimir Batov  
Copyright 2000 Jeremy Siek and Andrew Lumsdaine  
Copyright 2010 Eric Jourdanneau Joel Falcou Distributed  
Copyright 2004 Jonathan Brandmeyer  
Copyright 2002 Rani Sharoni (rani\_sharoni@hotmail.com) and Robert Ramey  
Copyright 2004 Angus Leeming  
Copyright (C) 2013 Mateusz Loskot <mateusz@loskot.net>  
Copyright 2006 Xiaogang Zhang  
Copyright 2016 Raffi Enficiaud. Distributed  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
copyright Gonzalo Brito Gadeschi 2015  
Copyright 2015-2016 Jeremy Murphy  
Copyright 2014, 2016-2017 Raffi Enficiaud  
Copyright 2006 Trustees of Indiana University Authors Jeremy G. Siek and Douglas Gregor <dgregor@cs.indiana.edu>  
Copyright 2007 Noel Belcourt  
Copyright 2001 Dietmar Kuehl  
Copyright 2002 Craig Henderson  
Copyright 2016 Giel van Schijndel  
Copyright 2002 Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2002-2003, 2005 Markus Schoepflin  
Copyright 20142014 Matei David  
Copyright 2005-2006 Michael Drexl  
Copyright 2013-2017 Oracle and or its affiliates  
Copyright 2003-2007 Jonathan Turkanis  
Copyright 2003-2004 Jeremy B. Maitin-Shepard  
Copyright 2008 Roelof Naude  
Copyright 2009-2012 Lorenzo Caminiti  
Copyright 2001 Indiana University. Author Jeremy G. Siek  
Copyright 2013-2015 Kyle Lutz  
Copyright 2003 Rational Discovery LLC. Distributed  
Copyright (C) 2008 2009 2016 Tim Blechmann based on code by Cory Nelson  
Copyright 2002-2003, 2005 Guillaume Melquiond  
Copyright 2016 Sergey Nizovtsev  
Copyright 2003 Samuel Krempp  
Copyright 2009 Trustees of Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Michael Hansen  
Copyright 2013 Maciej Piechotka Authors Maciej Piechotka  
Copyright 2003-2009 The Trustees of Indiana University  
Copyright Beman Dawes Daryle Walker Gennaro Prota and John Maddock 2001-2009

Copyright 2011 Christopher Jefferson  
Copyright 2013 Christopher Brown  
Copyright 2006 David Abrahams -  
Copyright 2001 Lie-Quan Lee  
Copyright 2009-2014 Steven Ross  
Copyright 2006 Trustees of Indiana University Authors Douglas Gregor and Jeremy Siek  
Copyright 2007-2009 Andrew Sutton  
Copyright 2000-2003 Gary Powell (powellg@amazon.com)  
Copyright 2005 Daniel K. O  
Copyright 2013 Mateusz Loskot  
Copyright 2017 Samuli-Petrus Korhonen  
Copyright 2015 Agustin K-ballo Berge  
Copyright 2012-2017 Glen Joseph Fernandes (glenjofe@gmail.com)  
Copyright 2006-2007 Matias Capeletto  
Copyright 2013 Paul Bristow Distributed  
Copyright 2015 Oliver Kowalke Nat Goodspeed  
Copyright 2001 Mat Marcus Jesse Jones and Adobe Systems Inc  
Copyright 2015-2016 Jeremy William Murphy  
Copyright 2003 Christof Meerwald  
Copyright 2000 Cadenza New Zealand Ltd  
Copyright 2013-2014 Rastko Anicic <anicic.rastko@gmail.com>  
Copyright 2014 Zach Laine  
Copyright 2007-2009 Tobias Schwinger  
Copyright 2013 Eurodecision  
Copyright 2001-2015 Gennadiy Rozental  
Copyright 2001-2003 William E. Kempf  
Copyright 2009 Paul A. Britow  
Copyright 2011 Stefan Seefeld. Distributed under the Boost Software License Version  
Copyright 2001-2002 Chuck Allison and Jeremy Siek  
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock  
Copyright 2011-2012 Jeff Flinn Boris Schaeling  
Copyright 2015 LRI UMR  
Copyright 2013 Eurodecision Authors Guillaume Pinot  
Copyright 2006-2007 Roland Schwarz  
Copyright 2010 Alfredo Correa  
Copyright 2010 Nuovation System Designs LLC  
Copyright 2001 John R. Bandela  
Copyright (c) 2016 Mikhail Maximov vigorous.activity at gmail dot com  
(C) Copyright 2015 Kyle Lutz Distributed under the Boost Software License Version  
Copyright 2010-2012 Jim Bosch & Ankit Daftery  
Copyright 2010 Daniel Trebbien  
Copyright 2006-2007 Boris Gubenko  
Copyright 2005-2009 Jongsoo Park  
Copyright&nbsp;Sebastian Redl 2009  
Copyright Markus J. Weber 2015  
Copyright 2002 Jan Langer  
Copyright 2005 Niall Douglas  
Copyright 2015 Seth Heeren  
Copyright 2013 Carl Barron  
Copyright 2014 Riccardo Marcangelo  
Copyright 2002 Jeff Westfahl  
Copyright 2002 H Lohninger TU Wein H.Lohninger Teach Me Data Analysis Springer-Verlag Berlin-New York-Tokyo  
Copyright CrystalClear Software 2003  
Copyright 2014-2015 Glen Fernandes  
Copyright 2007 Emil Dotchevski  
Copyright (c) 2016 Jason Rhineland <jason@imaginary.ca>

Copyright Christophe Henry 2010  
Copyright 2002, 2004-2009, 2012 Trustees of Indiana University  
Copyright 2000-2010 Joerg Walter Mathias Koch Gunter Winkler David Bellot  
Copyright 2012 Flavio De Lorenzi (fdlorenzi@gmail.com)  
Copyright 2007-2011 Steven Watanabe  
Copyright 2000-2001 Stephen Cleary  
Copyright 1999 Beman Dawes Dave Abrahams  
Copyright 2012-2014 Vicente Botet  
Copyright 2013 Sergue E. Leontiev  
Copyright 2004-2006 David Abrahams & Ralf W. Grosse-Kunsteve  
Copyright 2006 Tiago de Paula Peixoto <tiago@forked.de>  
Copyright 2015 Lingxi Li  
Copyright 1995-2001 Beman Dawes and Ullrich Koethe  
Copyright 1999-2001 David Abrahams Jeremy Siek Daryle Walker  
Copyright 2016 Arnaud Kapp Oliver Kowalke  
Copyright (C) 2010 Intel Corporation  
Copyright 2010 Barend Gehrels. Distributed under the Boost Software License Version  
Copyright 2007 Alexey Baskakov  
Copyright 2010-2012 Jim Bosch  
Copyright 2014 Roshan <thisisroshansmail@gmail.com>  
Copyright (c) 2016 Klemens D. Morgenstern klemens.morgenstern at gmx dot net  
Copyright 2016 Klemens Morgenstern Antony Polukhin  
Copyright 2010 Felipe Tanus Boris Schaeling  
Copyright 1995-2010 Geodan Amsterdam the Netherlands  
Copyright 2014 Jim Bell  
Copyright 2010-2011 Bryce Lebach  
Copyright (C) 2016 K. Noel Belcourt  
Copyright 2000-2003 Brian McNamara and Yannis Smaragdakis  
Copyright 2000-2002 Joerg Walter Mathias Koch  
Copyright Daryle Walker Hubert Holin and John Maddock 2006  
Copyright 2007-2009 Frank Mori Hess  
Copyright 2008-2016 Bruno Lalande Paris France  
Copyright 2010 Nicolas Lelong  
Copyright 2015 Joel Falcou  
Copyright 2002-2014 Robert Ramey -  
Copyright 2002 Juan Carlos Arevalo-Baeza  
Copyright 2013 Jakob Lykke Andersen University of Southern Denmark (jlandersen@imada.sdu.dk)  
Copyright 2001-2002 Housemarque Oy  
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant and John Maddock  
Copyright 2003-2017 Christopher M. Kohlhoff  
Copyright (c) Alexander Zaitsev <zamazan4ik@gmail.by> 2016  
Copyright 2002-2003 Eric Friedman Itay Maman  
Copyright 2009-2016 Abel Sinkovics (abel@sinkovics.hu)  
Copyright 2010-2016 Edward Diener  
Copyright 2006-2010 Alexander Nasonov



\* <http://www.apache.org/licenses/LICENSE-2.0>

\*

- \* Unless required by applicable law or agreed to in writing, software
- \* distributed under the License is distributed on an "AS IS" BASIS,
- \* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
- \* See the License for the specific language governing permissions and
- \* limitations under the License.

\*\*\*\*\*/

>>>>

Bootgen links with libraries from the following copyrighy holders:

## OpenSSL License

-----

/\* =====

\* Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\*

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in  
\* the documentation and/or other materials provided with the  
\* distribution.

\*

\* 3. All advertising materials mentioning features or use of this  
\* software must display the following acknowledgment:  
\* "This product includes software developed by the OpenSSL Project  
\* for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

\*

\* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to  
\* endorse or promote products derived from this software without  
\* prior written permission. For written permission, please contact  
\* [openssl-core@openssl.org](mailto:openssl-core@openssl.org).

\*

\* 5. Products derived from this software may not be called "OpenSSL"  
\* nor may "OpenSSL" appear in their names without prior written  
\* permission of the OpenSSL Project.

\*

\* 6. Redistributions of any form whatsoever must retain the following  
\* acknowledgment:  
\* "This product includes software developed by the OpenSSL Project  
\* for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

\*

\* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY  
\* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
\* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR  
\* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT  
\* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;





briangladman-aes version 1.0

<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

-----  
Copyright (c) 1998-2010, Brian Gladman, Worcester, UK. All rights reserved.

The redistribution and use of this software (with or without changes) is allowed without the payment of fees or royalties provided that:

source code distributions include the above copyright notice, this list of conditions and the following disclaimer;

binary distributions include the above copyright notice, this list of conditions and the following disclaimer in their documentation.

This software is provided 'as is' with no explicit or implied warranties in respect of its operation, including, but not limited to, correctness and fitness for purpose.

-----  
Copyright 1998-2010 Brian Gladman Worcester UK  
Copyright 2011-2012 HELION TECHNOLOGY LTD

bzip2 version 1.0.5

<<<<<<<<xilinx-separator>>>>>>>>>>>>>

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2007 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must

not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.5 of 10 December 2007

-----  
Copyright 1996-2007 Julian Seward <jseward@bzip.org>  
Copyright 1996-2007 Julian R Seward  
Copyright 1996-2007 Julian Seward

C math library version FDLIBM 5.2  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>  
\* Copyright (C) 2004 by Sun Microsystems, Inc. All rights reserved.  
\*  
\* Permission to use, copy, modify, and distribute this  
\* software is freely granted, provided that this notice  
\* is preserved.  
\* =====  
\*/



means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

#### 1.10. "Modifications"

means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

- A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.
- B. Any new file that contains any part of the Original Code or previous Modifications.

#### 1.11. "Original Code"

means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

#### 1.12. "Patent Claims"

means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

#### 1.13. "Source Code"

means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

#### 1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

## 2. Source Code License

### 2.1. The Initial Developer Grant

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1 (b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

### 2.2. Contributor Grant

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of

Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2 (a) and 2.2 (b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

### 3. Distribution Obligations

#### 3.1. Application of License

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2.

The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

#### 3.2. Availability of Source Code

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

#### 3.3. Description of Modifications

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

#### 3.4. Intellectual Property Matters

##### (a) Third Party Claims

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

##### (b) Contributor APIs

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

##### (c) Representations

Contributor represents that, except as disclosed pursuant to Section 3.4 (a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

#### 3.5. Required Notices

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

### 3.6. Distribution of Executable Versions

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2.

The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License.

If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

### 3.7. Larger Works

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

## 4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

## 5. Trademark Usage

### 5.1. Advertising Materials

All advertising materials mentioning features or use of the Governed Code must display the following acknowledgement: "This product includes software developed by CenterPoint - Connective Software Engineering GmbH."

### 5.2. Endorsements

The names "CenterPoint" and "CenterPoint - Connective Software Engineering GmbH." must not be used to endorse or promote Contributor Versions or Larger Works without the prior written permission of CenterPoint - Connective Software Engineering GmbH.

### 5.3. Product Names

Contributor Versions and Larger Works may not be called "CenterPoint" nor may the word "CenterPoint" appear in their names without prior written permission of CenterPoint - Connective Software Engineering GmbH.

## 6. Versions of the License

### 6.1. New Versions

CenterPoint - Connective Software Engineering GmbH. ("CenterPoint") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

## 6.2. Effect of New Versions

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by CenterPoint. No one other than CenterPoint has the right to modify the terms applicable to Covered Code created under this License.

## 7. DISCLAIMER OF WARRANTY

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

## 8. TERMINATION

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1 (b) and 2.2 (b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

## 9. LIMITATION OF LIABILITY

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES

OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

#### 10. U.S. GOVERNMENT END USERS

The Covered Code is a "commercial item", as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation", as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

#### 11. MISCELLANEOUS

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This license shall be governed by the Laws of Austria. Disputes shall be settled by an Austrian Court. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

#### 12. RESPONSIBILITY FOR CLAIMS

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

#### EXHIBIT A - CenterPoint Public License

The contents of this file are subject to the CenterPoint Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.cpointc.com/CPL/>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is \_\_\_\_\_.

The Initial Developer of the Original Code is CenterPoint - Connective Software Engineering GmbH. Portions created by CenterPoint - Connective Software Engineering GmbH. are Copyright ? 1998-2000 CenterPoint - Connective Software Engineering GmbH. All Rights Reserved.

Contributor(s): \_\_\_\_\_.

- Copyright 2002-2012 JIDE Software Inc
- Copyright 2001-2004 Unicode Inc
- Copyright 2002 JIDE Software
- Copyright 1998-2000 Thai Open Source Software Center Ltd
- Copyright 1998-2001 CenterPoint - Connective Software Engineering GmbH
- Copyright 2004 eXtensible Systems Inc

cjson version 1.5.2  
<<<<<<<<<xilinx-separator>>>>>>>>>  
Copyright (c) 2009 Dave Gamble

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal







coin-or version 1.6.0

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

- \* Copyright (C) 2005-2011, Robert Fourer, Horand Gassmann, Jun Ma, Kipp Martin,
- \* Northwestern University, Dalhousie University and the University of Chicago.
- \* All Rights Reserved.
- \* This software is licensed under the Eclipse Public License.
- \* Please see the accompanying LICENSE file in root directory for terms.

Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the University of Chicago  
(C) Giacomo Nannicini 2010  
Copyright 2000, 2002, 2006-2008, 2010 International Business Machines Corp and others  
Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the University of Chicago  
Copyright 2000, 2006-2008 International Business Machines  
Copyright 2003 Tim Helge Hultberg  
Copyright (C) 2005 2009 International Business Machines and others. C All Rights Reserved. C This code is published under the Eclipse Public License.  
Copyright 2004-2011 International Business Machines and others  
Copyright 2011 Francois Margot and Carnegie Mellon University  
(c) Copyright 2005-2011 Ted Ralphs. All Rights Reserved.  
Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the University of Chicago  
Copyright 2004-2006 Ted Ralphs and Lehigh University  
Copyright 2010 Pietro Belotti  
Copyright 2005-2006 Carnegie Mellon University  
Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the University of Chicago  
Copyright 2004, 2006-2007 International Business Machines Corp Carnegie Mellon University  
Copyright 2006-2008 International Business Machines Corp  
Copyright 2004, 2006-2008 International Business Machines Corp and Carnegie Mellon University

coin-or-cbc version 2.7.5

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).  
Copyright 2000, 2002-2009 International Business Machines Corp and others  
Copyright 2007 Lou Hafer International Business Machines Corp and others  
Copyright 2007 International Business Machines  
Copyright (C) 1997-2000 Lucent Technologies Modifications for Coin -  
Copyright 1994-2005 Free Software Foundation Inc  
Copyright (C) 2006 2007 International Business Machines and others. All Rights Reserved. This file is distributed under the



\* Copyright (C) 2001-2011, Lehigh University, Yan Xu, and Ted Ralphs. \*  
\* All Rights Reserved

coin-or-chipps-blis version 0.93.1

<<<<<<<<<<xilinx-separator>>>>>>>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

\* Copyright (C) 2001-2011, Lehigh University, Yan Xu, and Ted Ralphs. \*  
\* All Rights Reserved

coin-or-clp version 1.14.5

<<<<<<<<<xilinx-separator>>>>>>>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

// Copyright (C) 2003, International Business Machines  
// Corporation and others. All Rights Reserved.  
Copyright 1997, 2009 IBM Corp  
Copyright 2006 International Business Machines and others  
Copyright 1994-2005 Free Software Foundation Inc  
Copyright 2000, 2002-2004, 2007-2009 International Business Machines Corp and others

coin-or-coinutils version 2.8.5

<<<<<<<<xilinx-separator>>>>>>>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1984, 1989-1990, 2000-2003 Free Software Foundation Inc  
Copyright 2005 COIN-OR  
Copyright 2003 Francois Margot International Business Machines Corp and others  
Copyright 2004, 2006 International Business Machines and others

Copyright 1987, 2000, 2002-2009, 2011 International Business Machines Corp and others  
Copyright (c) 2002-2011 Bjarni Kristjansson

coin-or-cppad version 20110101.50  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>

/\* -----  
CppAD: C++ Algorithmic Differentiation: Copyright (C) 2003-06 Bradley M. Bell  
  
CppAD is distributed under multiple licenses. This distribution is under  
the terms of the  
    Common Public License Version 1.0.

A copy of this license is included in the COPYING file of this distribution.  
Please visit <http://www.coin-or.org/CppAD/> for information on other licenses.  
----- \*/

Copyright 2007 International Business Machines Corp  
Copyright 2002-2011 Lehigh University Matthew Galati Ted Ralphs  
Copyright 2003 Bradley M. Bell  
Copyright 2001-2011 Lehigh University Yan Xu and Ted Ralphs

coin-or-dip version 0.83.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document,  
was originally presented here, or as applicable, applies to the above-listed file(s).  
Copyright (C) 2002-2011, Lehigh University, Matthew Galati, Ted Ralphs //  
// All Rights Reserved.

coin-or-dyhp version 1.8.2  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>



- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
 Copyright 2005-2014 Rich Felker, et al.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-----/  
 The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
 The text of the GNU Free Documentation License v1.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
 The text of the GNU Free Documentation License v1.3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

\* Copyright (c) 2003-2004, Artem B. Bitvuckiy.



- \* Rights transferred to Franklin Electronic Publishers.
- \*
- \* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

-----  
 The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
 The text of the GNU GCC RUNTIME LIBRARY EXCEPTION, Version 3.1 (March 2009), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
 Copyright (C) 2009-2017 Free Software Foundation, Inc.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved. This file is offered as-is, without any warranty.

- 
- \* Copyright (c) 1991, 1993
  - \* The Regents of the University of California. All rights reserved.
  - \* (c) UNIX System Laboratories, Inc.
  - \* All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.
  - \*
  - \* This code is derived from software contributed to Berkeley by Hugh Smith at The University of Guelph.
  - \*
  - \* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  - \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  - \* 2. Redistributions in binary form must reproduce the above copyright

- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. All advertising materials mentioning features or use of this software
- \* must display the following acknowledgement:
- \* This product includes software developed by the University of
- \* California, Berkeley and its contributors.
- \* 4. Neither the name of the University nor the names of its contributors
- \* may be used to endorse or promote products derived from this software
- \* without specific prior written permission.
- \*
- \* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND
- \* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
- \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- \* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
- \* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
- \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
- \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
- \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
- \* SUCH DAMAGE.
- \*
- \*

-----

Copyright (C) 1987-2017 Free Software Foundation Inc.  
 Copyright (c) 1999 Kungliga Tekniska H  
 Copyright (C) 1998-2001 by Lucent Technologies All Rights Reserved  
 Copyright (c) 2001 2002 2003 2004 2005 2006 Expat maintainers.  
 Copyright 1996-1997 Andrey A. Chernov Moscow Russia  
 Copyright 1981-2000 The Regents of the University of California  
 Copyright (c) 1999 2000 Konstantin Chuguev. All rights reserved.  
 Copyright (c) 1998 M. Warner Losh <imp@freebsd.org> All rights reserved.  
 Copyright (c) 2008 Jeffrey Roberson <jeff@freebsd.org> All rights reserved.  
 Copyright (c) 1996-2010 2014 Texas Instruments Incorporated http www.ti.com  
 Copyright 2001 Hans-Peter Nilsson  
 Copyright (c) 2016 Phoenix Systems All rights reserved.  
 Copyright 2015 Rolls-Royce Controls and Data Services Ltd  
 Copyright 1989-2013 On-Line Applications Research Corp  
 Copyright (c) 2015 John Baldwin <jhb@FreeBSD.org>. All rights reserved.  
 (C) Copyright Jeremy Siek 2000  
 Copyright (c) 2001 Christopher G. Demetriou All rights reserved.  
 Copyright 2005-2014 Rich Felker et al  
 Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL  
 Copyright (c) 2010 CodeSourcery Inc. All rights reserved.  
 (c) Copyright 2017 Michael R. Neilly All rights reserved.  
 Copyright 2003-2004 Artem B. Bitvuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers  
 Copyright 2016 Joel Sherrill <joel@rtems.org>  
 Copyright 2014 FTDI (support@ftdichip.com)  
 Copyright (c) 2011 Ed Schouten <ed@FreeBSD.org> David Chisnall <theraven@FreeBSD.org> All rights reserved.  
 Copyright (c) 2003-2004 Artem B. Bitvuckiy. Rights transferred to Franklin Electronic Publishers.  
 Copyright (c) 1998 1999 2000 Thai Open Source Software Center Ltd and Clark Cooper  
 Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine. All rights reserved.  
 Copyright (c) 2003 Altera Corporation All rights reserved.  
 Copyright 2009-2015, 2017 ARM Ltd

Copyright (c) 1993 Intel Corporation  
Copyright 2002 SuperH Inc. All rights reserved  
Copyright 2015-2016 Synopsys Inc  
Copyright 1992-1994 Henry Spencer  
Copyright (C) 1999 2000 2001 2002 Stephane Carrez (stcarrez@nerim.fr)  
Copyright (c) 2017 embedded brains GmbH All rights reserved.  
Copyright (C) 1995 1996 1997 and 1998 WIDE Project. All rights reserved.  
Copyright 2004, 2009 Xilinx Inc  
Copyright 1991, 1993 DJ Delorie  
Copyright (c) 1993 by Digital Equipment Corporation.  
Copyright (c) 1996 1997 Silicon Graphics  
Copyright (c)1999 Citrus Project All rights reserved.  
(C) Copyright 2001 2006 International Business Machines Corporation Sony Computer Entertainment Incorporated  
Copyright 2004-2005 Ralf Corsepius Ulm Germany  
Copyright 1983, 1990 Regents of the University of California  
Copyright (c) 1993 Martin Birgmeier All rights reserved.  
Copyright (c) 1990 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 2008, 2011 Ed Schouten <ed@FreeBSD.org>  
Copyright (c) 2008 Nokia Corporation All rights reserved.  
Copyright 2001-2002 Mike Barcroft <mike@FreeBSD.org>  
Copyright 1998-1999 Greg Colvin and Beman Dawes  
copyright 2010 Patrick Spendrin <ps\_ml@gmx.de>  
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>  
Copyright 2001-2003 Peter Dimov and Multi Media Ltd  
Copyright 2001-2003 Peter Dimov  
Copyright (c) 2004 Stefan Farfeleder. All rights reserved.  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright (C) 1997 Gregory Pietsch  
Copyright 1993 Sun Microsystems Inc  
Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright (c) 1991 by AT&T.  
Copyright 1994-2010 Red Hat Inc  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (c) 1984 2000 S.L. Moshier  
Copyright (C) 2006 2008 2009 2011 2012 Analog Devices Inc.  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>. All rights reserved.  
Copyright 2011 Adapteva Inc  
Copyright (c) 2008 Otto Moerbeek <otto@drijf.net>  
Copyright 2002 Niels Provos <provos@citi.umich.edu> All rights reserved.  
(C) Copyright IBM Corp. 2005 2006  
Copyright 2004 National Semiconductor Corp  
Copyright (c) 2007 The NetBSD Foundation Inc. All rights reserved.  
Copyright 1986, 1994 Hewlett-Packard Co  
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> All rights reserved.  
Copyright 1996 treaty adopted on  
Copyright (c) 1997-2002 FreeBSD Project. All rights reserved.

cudd version 2.4.2

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright [Copyright (c) 1995-2004, Regents of the University of Colorado

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the University of Colorado nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.]

Copyright 2003-2008 Aleksey Gurtovoy  
Copyright 2009 Beman Dawes  
Copyright 2013, 2017 Xilinx Inc. and others  
Copyright 1984, 1988-2016 Free Software Foundation Inc  
Copyright 1995-2004 Regents of the University of Colorado  
Copyright 2001-2011 Parallax Software Inc  
Copyright 2011-2017 The Bootstrap Authors  
copyright 2014 Waybury. <https://useiconic.com> open  
Copyright 2005-2011 Jyloo Software Wolfgang Zitzelsberger  
Copyright (c) 2014-2016 Ole Christian Eidheim  
Copyright 2012 Steven Watanabe  
Copyright 2002 International Business Machines Corp and others  
Copyright 1996-1998 Silicon Graphics Computer Systems Inc  
Copyright 2009 Sun Microsystems Inc  
Copyright (c) 2017 creativeLabs ukasz Holeczek  
Copyright 2002 Free Software Foundation Inc. GDB is free software ...  
Copyright 1984-2009 The MathWorks Inc. The source code contained in  
Copyright 1994 Hewlett-Packard Co

Copyright 1999 Mike Dillon  
Copyright 1994-1996 The Univ. of Colorado  
Copyright 2011-2017 Twitter Inc. Licensed under MIT  
Copyright 1998-2013 Daniel Stenberg <daniel@haxx.se> et al  
Copyright (C) 2003 Hewlett-Packard Co Contributed by David Mosberger-Tang <davidm@hpl.hp.com>  
Copyright 1993 Mentor Graphics -- -- --  
Copyright 1988, 1991, 2000-2009 Free Software Foundation Inc. .PP  
Copyright 2002-2012 JIDE Software Inc  
Copyright 2004-2008 Oasys Design Systems Inc  
Copyright 2007-2018 Wind River Systems Inc. and others  
Copyright 2017 creativeLabs ukasz Holeczek license MIT private true  
Copyright (C) 2002 Oliver Henning  
Copyright 2007 Andras Kovacs  
Copyright 1999-2014 Verific Design Automation Inc  
Copyright 1984-2014 The MathWorks Inc  
Copyright 1985 Digital Equipment Corp Maynard MA  
Copyright 2014 Free Software Foundation Inc. Copying and distribution of  
Copyright 1994-1996 Synplicity Inc. --  
Copyright 1999 Radical Eye Software Title dddmp-  
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL  
Copyright 1998-2010 Brian Gladman Worcester UK  
Copyright 2002, 2004 Politecnico di Torino  
Copyright 2005 John Maddock  
Copyright 2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and you are welcome to change it and or distribute copies of it

curl version 7.64.1

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

## COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2013, Daniel Stenberg, <daniel@haxx.se>.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Copyright 1998-2018 Florin Petriuc <petriuc.florin@gmail.com>

Copyright 2012-2016 Linus Nielsen Feltzing <linus@haxx.se>  
 Copyright 2004-2015 Guenter Knaut  
 Copyright 2010 Howard Chu <hyc@highlandsun.com>  
 Copyright 1997-2019 Daniel Stenberg <daniel@haxx.se> et al  
 Copyright 2009, 2011 Markus Moeller <markus\_moeller@compuserve.com>  
 Copyright 2012 Marc Hoersken <info@marc-hoersken.de> et al  
 Copyright (C) 2017 - 2019 Red Hat Inc.  
 Copyright (c) 2004 - 2017 Daniel Stenberg All rights reserved.  
 Copyright 2012-2017 Nick Zitzmann <nickzman@gmail.com>  
 Copyright 1996-2001 Internet Software Consortium  
 Copyright 1995-1999, 2017 Kungliga Tekniska H  
 Copyright 2012-2016 Marc Hoersken <info@marc-hoersken.de>  
 Copyright 2012 Mark Salisbury <mark.salisbury@hp.com>  
 Copyright 2001-2004 Damien Miller <djm@openbsd.org>  
 Copyright 2010-2011 Hoi-Ho Chan <hoiho.chan@gmail.com>  
 Copyright 1994-2018 Free Software Foundation Inc  
 Copyright 2010 Howard Chu <hyc@openldap.org>  
 Copyright 2001 Eric Lavigne  
 Copyright 2001 Alexander Peslyak and it is hereby released to the general public  
 Copyright 2014 Bill Nagel <wnagel@tycoint.com> Exacq Technologies  
 Copyright 2014-2017 Steve Holme <steve\_holme@hotmail.com>  
 Copyright 2017-2018 Yiming Jing <jingyiming@baidu.com>

dateutil version 2.7.3

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright 2017- Paul Ganssle <paul@ganssle.io>  
 Copyright 2017- dateutil contributors (see AUTHORS file)

Licensed under the Apache License, Version 2.0 (the "License");  
 you may not use this file except in compliance with the License.  
 You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
 distributed under the License is distributed on an "AS IS" BASIS,  
 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
 See the License for the specific language governing permissions and  
 limitations under the License.

The above license applies to all contributions after 2017-12-01, as well as  
 all contributions that have been re-licensed (see AUTHORS file for the list of  
 contributors who have re-licensed their code).

-----  
 dateutil - Extensions to the standard Python datetime module.

Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net>  
 Copyright (c) 2012-2014 - Tomi Pievilinen <tomi.pievilainen@iki.fi>  
 Copyright (c) 2014-2016 - Yaron de Leeuw <me@jarondl.net>  
 Copyright (c) 2015- - Paul Ganssle <paul@ganssle.io>  
 Copyright (c) 2015- - dateutil contributors (see AUTHORS file)

All rights reserved.



modifications made to the Program to be contributed to the community source and thereby made available to others under the same terms and conditions as included in this Agreement, this is not required. However, any error corrections made to the Program must be contributed to the community source.

## 1. DEFINITIONS

1.1 "Contribution" means the submission of the Original Program by Cadence and the submission of any modifications, improvements, additions, corrections or other changes to the Program, including source code, object code, application program interface definitions and formats, and documentation, made by any Contributor where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. Each Contributor acknowledges and agrees that no guarantee is provided that a Contribution shall be included within the Program as distributed by any Recipient. A Contribution must be made by a Contributor if; (1) such Contribution is an error correction to the Program, or (2) the Contributor commercially distributes the Program with such Contribution, in which case the Contribution must be made within thirty (30) days of the commercial distribution of the Program. "Commercially distributes" as used herein shall mean distribution of the Program by a Contributor in consideration for revenue received. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software or data distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

1.2 "Contributor" means Cadence and any other entity that distributes the Program.

1.3 "Licensed Patents" mean patent claims licensable by any Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

1.4 "Original Program" means the original version of the software accompanying this Agreement as released by Cadence, including source code, object code, application program interface definitions and formats, and documentation, if any.

1.5 "Program" means the Original Program and Contributions.

1.6 "Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

2.1 Subject to the terms and conditions of this Agreement, each Contributor hereby grants each Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare



derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, in source code and object code format.

2.2 Subject to the terms and conditions of this Agreement, each Contributor hereby grants each Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code format along with any documentation. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution.

2.3 Subject to the terms and conditions of this Agreement, Cadence hereby grants each Recipient a non-exclusive, worldwide, royalty-free trademark license, to use the Cadence trademarks "LEF", or "DEF", in accordance with Cadence's marking policies, in connection with the license grants hereunder.

2.4 Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

2.5 Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement. Except as expressly stated in Sections 2.1, 2.2 and 2.3 above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

### 3. DISTRIBUTION REQUIREMENTS

3.1 A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that: (a) it complies with the terms and conditions of this Agreement; and (b) the terms and conditions of its license agreement: (i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including

warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

(ii) effectively excludes on behalf of all Contributors all liability for damages, including, but not limited to, direct, indirect, special, incidental and consequential damages;

(iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

(iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

3.2 When the Program is made available in source code form it must be made available under the terms and conditions of this Agreement. A copy of this Agreement must be included with each copy of such Program. A Contributor may not charge a fee for the distribution of the source code of the Program.

3.3 Each Contributor must preserve all copyright and other notices that appear in the Program. In addition, each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

3.4 While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

#### 4. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS

PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 5. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 6. GENERAL

6.1 If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

6.2 If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2.2 shall terminate as of the date such litigation is filed.

6.3 If a Commercial Contributor distributes any Program, which includes such Contributors modifications, improvements, additions, corrections or other changes, and has not made a Contribution of such Program, any licenses granted to such Commercial Contributor under this Agreement shall terminate as of the date of such Program is distributed.

6.4 All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a

reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

6.5 Cadence may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. No one other than Cadence has the right to modify this Agreement.

6.6 This Agreement is governed by the laws of the State of California and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

#### END OF TERMS AND CONDITIONS

Cadence Open Source ver3.0      May 31, 2000

dfu-util version 0.9  
 <<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

-----

**AUTHORS:**  
 Harald Welte <laforge@gnumonks.org> Hans Petter Selasky <hps@bitfrost.no>  
 Tormod Volden <debian.tormod@gmail.com>, Stefan Schmidt  
 <stefan@datenfrehafen.org> Hans Petter Selasky <hps@bitfrost.no> Tormod  
 Volden <debian.tormod@gmail.com>, Stefan Schmidt <stefan@datenfrehafen.org>  
 Hans Petter Selasky <hps@bitfrost.no> Uwe Bonnes <bon@elektron.ikp.physik.tu-  
 darmstadt.de>, Tormod Volden, Tormod Volden <debian.tormod@gmail.com>, Tormod



as Digilent, Inc. TM. If you are acting on behalf of an organized educational entity, this software license agreement is also a legal contract and agreement between that educational entity and Digilent, Inc..

2. Digilent, Inc. maintains all its rights under all applicable laws, including but not limited to pertinent intellectual property laws. When you install the software, whether from the internet or from a portable source such as a disk or CD Rom, or any other method, you accept and agree to all the terms of this license.
3. This license constitutes the entire agreement regarding the software. The agreement is between YOU, the educational entity if applicable, and Digilent, Inc.. If this software is an upgrade, or if you have received a license from Digilent, Inc. for some other reason or in some other method for the same software, this license supersedes any and all other licenses.
4. The laws of Washington State shall govern this agreement and license. If any portion is found invalid, then the remaining portions shall be held to be valid and remain fully enforceable.
5. **GRANT OF LICENSE:** This license permits you (the Licensee) to use one (1) copy of the software solely for your own, internal, personal (including educational), non-commercial operations and use. This License conveys to you a non-exclusive and limited right of use ONLY. It is revocable in accordance with the terms and conditions. You MAY make copies of the software and its documentation, provided that the copies are for you and your personal, non-commercial use. NOTHING in this license allows for the copying, republishing or distribution to anyone other than you, the Licensee, either for commercial or non-commercial use. A purchase of a single piece of hardware from Digilent, Inc. constitutes the right to use a single version of this software.
6. By accepting this license, you agree that you may not, and will not, sublicense, assign, transfer, pledge, lease, rent, share, or provide for commercial use in any way YOUR rights licensed to you by Digilent, Inc. under this License. If you wish to execute such rights in any way, contact Digilent, Inc. to seek written approval prior to any such transaction. Digilent, Inc. maintains its rights to deny any such execution of rights. No portions of the Digilent, Inc. licensed software may be distributed, redistributed, and/or exchanged in any of the above mentioned ways, without prior written agreement from and with Digilent, Inc.
7. By accepting this license, you agree that you will not modify, adapt, decompile, reverse engineer, translate, or otherwise attempt to discover the source code for the Software. Digilent, Inc. maintains all its rights under the intellectual property laws of the United States and any international rights it also maintains, including but not limited to copyrights, trademarks, and patents. As the Licensee, you agree to take all reasonable steps to safeguard and protect this license and the software it grants your use of.
8. **END USER APPLICATION DEVELOPMENT:** Digilent Inc. grants licensee the permission to use the Software, for development of custom programs by

the licensee, for NON-COMMERCIAL use, and for use only with Digilent Inc. hardware. Digilent Software includes, but is not limited to, all Dynamic Link Libraries (DLLs), Shared Libraries, documentation, header files, and Applications Programming Interfaces (APIs). Any unauthorized use of Software is a breach of this license and agreement.

9. In the event you fail to comply with any terms and/or conditions of this license, or any breach occurs, this license will terminate immediately and automatically. Digilent, Inc. shall be entitled to any and all remedies in accordance with the laws of Washington State, the United States of America, and any other applicable law.

10. NO WARRANTIES: Digilent, Inc. does not offer nor provide ANY warranties of any kind on this software or in this license. In no event shall Digilent, Inc. be liable for any damages to you or any other party whether arising out of contract or tort, from the installation, use, or operation of the software. Such damages include, but are not limited to: loss of data, loss of profits, loss of business, harm to "good name" or reputation, or any special, incidental, exemplary or consequential damages. Digilent, Inc. may NOT be held liable for any damages, EVEN IF Digilent, Inc. has been advised or put on notice of the possibility of such loss or damages. This section survives any termination of the license for any reason, whether by you or by Digilent, Inc.

CONTACT INFORMATION: should you wish to contact Digilent, Inc. for any reason:

Digilent, Inc.  
1300 NE Henley Ct.  
Suite 3  
Pullman, Washington  
99163

E-MAIL: [support@digilentinc.com](mailto:support@digilentinc.com)

Copyright 2009, 2018 Mountainminds GmbH & Co. KG and Contributors  
Copyright 2008-2012 Eric Niebler. Distributed  
Copyright 2003-2004, 2007-2013 Digilent Inc  
Copyright 2010 Thomas Heller  
Copyright 2006 &nbsp; Eric Niebler  
Copyright 2004, 2011-2012 Eric Niebler  
Copyright 2004 Digilent Inc.

----- -- IMPORTANT NOTE

ABOUT BUILDING THIS LOGIC IN ISE  
Copyright 2004, 2012 Eric Niebler Distributed

digraph-parser version 1.0.28  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (c) 2017, PayPal Holdings, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without

modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

doxygen version 1.8.5

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA  
Everyone is permitted to copy and distribute verbatim copies  
of this license document, but changing it is not allowed.

- Copyright 1995, 2002-2019 Xilinx Inc
- Copyright 2011 AUTHORS.txt
- Copyright 2013 Steven Benner
- Copyright 2013-2018 ARM Ltd and Contributors
- Copyright 2010 Cowboy Ben Alman Dual
- Copyright 2011 John Resig Dual
- Copyright 2009-2011 Willow Garage Inc
- Copyright 2013 Xilinx Inc. XREGDB
- Copyright 2001-2004 Swedish Institute of Computer Science
- Copyright 2007-2009 Ariel Flesler - aflesler
- Copyright 2011 The Dojo Foundation Released



Copyright 2016 Elias Oenal  
Copyright 2016 Erik Andersson <erian747@gmail.com>  
Copyright 2000-2008 Intel Corp  
Copyright 1995-2013 Mark Adler  
Copyright 1995-2013 Jean-loup Gailly and Mark Adler  
Copyright 2015-2017 Xilinx Inc. and Contributors  
Copyright 2018 Marvell International Ltd  
Copyright 2013 OpenCV Foundation

Software License Agreement (BSD License)

=====  
Copyright (c) 2015, Xilinx Inc. and Contributors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

dpssu\_xilinx\_driver version 1

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

\* Copyright (C) 2017 Xilinx, Inc. All rights reserved.

\*

- \* Permission is hereby granted, free of charge, to any person obtaining a copy
- \* of this software and associated documentation files (the "Software"), to deal
- \* in the Software without restriction, including without limitation the rights
- \* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
- \* copies of the Software, and to permit persons to whom the Software is
- \* furnished to do so, subject to the following conditions:

\*

- \* The above copyright notice and this permission notice shall be included in
- \* all copies or substantial portions of the Software.
- \*
- \* Use of the Software is limited solely to applications:
- \* (a) running on a Xilinx device, or
- \* (b) that interact with a Xilinx device through a bus or interconnect.
- \*
- \* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
- \* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
- \* FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE
- \* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
- \* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
- \* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
- \* SOFTWARE.
- \*
- \* Except as contained in this notice, the name of the Xilinx shall not be used
- \* in advertising or otherwise to promote the sale, use or other dealings in
- \* this Software without prior written authorization from Xilinx.
- \*

Copyright 2017 Xilinx Inc

```

dprxss_xilinx_driver version 4
<<<<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>
* Copyright (C) 2017 Xilinx, Inc. All rights reserved.
*
* Permission is hereby granted, free of charge, to any person obtaining a copy
* of this software and associated documentation files (the "Software"), to deal
* in the Software without restriction, including without limitation the rights
* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
* copies of the Software, and to permit persons to whom the Software is
* furnished to do so, subject to the following conditions:
*
* The above copyright notice and this permission notice shall be included in
* all copies or substantial portions of the Software.
*
* Use of the Software is limited solely to applications:
* (a) running on a Xilinx device, or
* (b) that interact with a Xilinx device through a bus or interconnect.
*
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
* FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE
* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

```

\* SOFTWARE.

\*

\* Except as contained in this notice, the name of the Xilinx shall not be used  
\* in advertising or otherwise to promote the sale, use or other dealings in  
\* this Software without prior written authorization from Xilinx.

\*

Copyright 2016 Xilinx Inc

dptxss\_xilinx\_driver version 4.2

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

\* Copyright (C) 2017 Xilinx, Inc. All rights reserved.

\*

\* Permission is hereby granted, free of charge, to any person obtaining a copy  
\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:

\*

\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.

\*

\* Use of the Software is limited solely to applications:

\* (a) running on a Xilinx device, or

\* (b) that interact with a Xilinx device through a bus or interconnect.

\*

\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
\* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,  
\* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF  
\* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
\* SOFTWARE.

\*

\* Except as contained in this notice, the name of the Xilinx shall not be used  
\* in advertising or otherwise to promote the sale, use or other dealings in  
\* this Software without prior written authorization from Xilinx.

\*

Copyright 2006-2017 Xilinx Inc

Copyright 2007-2009 Ilya O. Levin

Copyright 2015 Xilinx

Certain files:

Copyright (c) 2015, Xilinx Inc. and Contributors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2008-2016 Xilinx Inc  
Copyright 2015-2016 Xilinx Inc. and Contributors  
Copyright 2014 Mentor Graphics Corp

eclipse cdt version 9.4.3  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

Eclipse Public License - v 2.0  
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS  
"Contribution" means:

- a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and
- b) in the case of each subsequent Contributor:
  - i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works. "Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

## 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

- a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and
- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

### 3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ('notices') contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

## 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

## 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY



## RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

### 1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b) in the case of each subsequent Contributor:

- i) changes to the Program, and
- ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

### 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

### 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:



a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

#### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

#### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for

determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

eclipse model framework version 2.14.0  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and  
b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary

License (if permitted under the terms of Section 3).

### 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

- a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and
- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ('notices') contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the

risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

eclipse tracecompass version 3.3.0

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and
- b) in the case of each subsequent Contributor:
  - i) changes to the Program, and
  - ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

## 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program

is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

### 3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ("notices") contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

## 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program



in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

## 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the

Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

#### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.  
eclipse webtools version 3.8.2  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of

intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

### 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:

i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and

iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and

b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ('notices') contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

## 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.



hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

### 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to

Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

## 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.



Copyright 2013-2015 vogella GmbH and others  
Copyright 2007, 2010, 2014-2015, 2017 IBM Corp and others  
Copyright 2014-2015 Lars Vogel and others  
Copyright 2017 PayPal Holdings Inc  
Copyright 2010, 2014-2015 Andrea Guarinoni and others  
Copyright 2013 Ren Jeschke &lt; rene\_jeschke@yahoo.de &gt;  
Copyright 2004-2005 Elias Volanakis and others

eclipse-dltk.core version 5.4.0

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b) in the case of each subsequent Contributor:
  - i) changes to the Program, and
  - ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
- b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
- c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of

intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

### 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING,

WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

eclipse-egit version 5.4

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

```
/******  
* Copyright (C) 2014, Maik Schreiber <blizzy@blizzy.de>  
*  
* All rights reserved. This program and the accompanying materials  
* are made available under the terms of the Eclipse Public License v1.0  
* which accompanies this distribution, and is available at  
* http://www.eclipse.org/legal/epl-v10.html  
*  
* Contributors:  
*   Maik Schreiber - initial implementation  
*****
```

Eclipse Foundation Software User Agreement  
April 9, 2014

Usage Of Content

THE ECLIPSE FOUNDATION MAKES AVAILABLE SOFTWARE, DOCUMENTATION, INFORMATION AND/OR OTHER MATERIALS FOR OPEN SOURCE PROJECTS (COLLECTIVELY "CONTENT"). USE OF THE CONTENT IS GOVERNED BY THE TERMS AND CONDITIONS OF THIS AGREEMENT AND/OR THE TERMS AND CONDITIONS OF LICENSE AGREEMENTS OR NOTICES INDICATED OR REFERENCED BELOW. BY USING THE CONTENT, YOU AGREE THAT YOUR USE OF THE CONTENT IS GOVERNED BY THIS AGREEMENT AND/OR THE TERMS AND CONDITIONS OF ANY APPLICABLE LICENSE AGREEMENTS OR NOTICES INDICATED OR REFERENCED BELOW. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT AND THE TERMS AND CONDITIONS OF ANY APPLICABLE LICENSE AGREEMENTS OR NOTICES INDICATED OR REFERENCED BELOW, THEN YOU MAY NOT USE THE CONTENT.

Applicable Licenses

Unless otherwise indicated, all Content made available by the Eclipse Foundation is provided to you under the terms and conditions of the Eclipse Public License Version 1.0 ("EPL"). A copy of the EPL is provided with this Content and is also available at <http://www.eclipse.org/legal/epl-v10.html>. For purposes of the EPL, "Program" will mean the Content.

Content includes, but is not limited to, source code, object code, documentation and other files maintained in the Eclipse Foundation source code repository ("Repository") in software modules ("Modules") and made available as downloadable archives ("Downloads").

Content may be structured and packaged into modules to facilitate delivering, extending, and upgrading the Content. Typical modules may include plug-ins ("Plug-ins"), plug-in fragments ("Fragments"), and features ("Features"). Each Plug-in or Fragment may be packaged as a sub-directory or JAR (Java? ARchive) in a directory named "plugins". A Feature is a bundle of one or more Plug-ins and/or Fragments and associated material. Each Feature may be packaged as a sub-directory in a directory named "features". Within a Feature, files named "feature.xml" may contain a list of the names and version numbers of the Plug-ins and/or Fragments associated with that Feature. Features may also include other Features ("Included Features"). Within a Feature, files named "feature.xml" may contain a list of the names and version numbers of Included Features. The terms and conditions governing Plug-ins and Fragments should be contained in files named "about.html" ("Abouts"). The terms and conditions governing Features and Included Features should be contained in files named "license.html" ("Feature Licenses"). Abouts and Feature Licenses may be located in any directory of a Download or Module including, but not limited to the following locations:

- The top-level (root) directory
- Plug-in and Fragment directories
- Inside Plug-ins and Fragments packaged as JARs
- Sub-directories of the directory named "src" of certain Plug-ins
- Feature directories

Note: if a Feature made available by the Eclipse Foundation is installed using the Provisioning Technology (as defined below), you must agree to a license ("Feature Update License") during the installation process. If the Feature contains Included Features, the Feature Update License should either provide you with the terms and conditions governing the

Included Features or inform you where you can locate them. Feature Update Licenses may be found in the "license" property of files named "feature.properties" found within a Feature. Such Abouts, Feature Licenses, and Feature Update Licenses contain the terms and conditions (or references to such terms and conditions) that govern your use of the associated Content in that directory.

THE ABOUTS, FEATURE LICENSES, AND FEATURE UPDATE LICENSES MAY REFER TO THE EPL OR OTHER LICENSE AGREEMENTS, NOTICES OR TERMS AND CONDITIONS. SOME OF THESE OTHER LICENSE AGREEMENTS MAY INCLUDE (BUT ARE NOT LIMITED TO):

Eclipse Distribution License Version 1.0 (available at <http://www.eclipse.org/licenses/edl-v1.0.html>)

Common Public License Version 1.0 (available at <http://www.eclipse.org/legal/cpl-v10.html>)

Apache Software License 1.1 (available at <http://www.apache.org/licenses/LICENSE>)

Apache Software License 2.0 (available at <http://www.apache.org/licenses/LICENSE-2.0>)

Mozilla Public License Version 1.1 (available at <http://www.mozilla.org/MPL/MPL-1.1.html>)

IT IS YOUR OBLIGATION TO READ AND ACCEPT ALL SUCH TERMS AND CONDITIONS PRIOR TO USE OF THE CONTENT. If no About, Feature License, or Feature Update License is provided, please contact the Eclipse Foundation to determine what terms and conditions govern that particular Content.

### Use of Provisioning Technology

The Eclipse Foundation makes available provisioning software, examples of which include, but are not limited to, p2 and the Eclipse Update Manager ("Provisioning Technology") for the purpose of allowing users to install software, documentation, information and/or other materials (collectively "Installable Software"). This capability is provided with the intent of allowing such users to install, extend and update Eclipse-based products. Information about packaging Installable Software is available at [http://eclipse.org/equinox/p2/repository\\_packaging.html](http://eclipse.org/equinox/p2/repository_packaging.html) ("Specification").

You may use Provisioning Technology to allow other parties to install Installable Software. You shall be responsible for enabling the applicable license agreements relating to the Installable Software to be presented to, and accepted by, the users of the Provisioning Technology in accordance with the Specification. By using Provisioning Technology in such a manner and making it available in accordance with the Specification, you further acknowledge your agreement to, and the acquisition of all necessary rights to permit the following:

A series of actions may occur ("Provisioning Process") in which a user may execute the Provisioning Technology on a machine ("Target Machine") with the intent of installing, extending or updating the functionality of an Eclipse-based product. During the Provisioning Process, the Provisioning Technology may cause third party Installable Software or a portion thereof to be accessed and copied to the Target Machine.

Pursuant to the Specification, you will provide to the user the terms and conditions that govern the use of the Installable Software ("Installable Software Agreement") and such Installable Software Agreement shall be accessed from the Target Machine in accordance with the Specification. Such Installable Software Agreement must inform the user of the terms and conditions that govern the Installable Software and must solicit acceptance by the end user in the manner prescribed in such Installable Software Agreement. Upon such indication of agreement by the user, the provisioning Technology will complete installation of the Installable Software.

### Cryptography

Content may contain encryption software. The country in which you are currently may have restrictions on the import, possession, and use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check the country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted.

Java and all Java-based trademarks are trademarks of Oracle Corporation in the United States, other countries, or both.

Copyright (C) 2009 2013 Robin Rosenberg and others.

Copyright (c) 2011 2012 Tasktop Technologies and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License

Copyright 2011-2017 GitHub Inc. and others

Copyright 2010, 2014-2015 Red Hat Inc

Copyright (C) 2016 Andre Bossert <[anb0s@anbos.de](mailto:anb0s@anbos.de)>

Copyright 2011, 2017 Chris Aniszczyk <caniszczyk@gmail.com> and others  
Copyright 2011-2012 Tomasz Zarna <Tomasz.Zarna@pl.ibm.com>  
Copyright (c) 2009 2013 Shawn O. Pearce and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright (c) 2013 2016 Robin Stocker and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2009 Mykola Nikishov <mn@mn.com.ua>  
Copyright 2014 Axel Richard <axel.richard@obeo.fr>  
Copyright (C) 2010 Roland Grunberg <rgrunber@redhat.com>  
Copyright 2010, 2017 Wim Jongman <wim.jongman@remainssoftware.com>  
Copyright 2005-2006, 2014-2017 Shawn Pearce and others  
Copyright (C) 2012 2013 Tomasz Zarna <tzarna@gmail.com>  
Copyright 2015 SAP SE  
Copyright 2011, 2017 The Eclipse Foundation and others  
Copyright 2010 Benjamin Muskalla <bmuskalla@eclipsesource.com>  
Copyright (C) 2010 Mathias Kinzler <mathias.kinzler@sap.com>  
Copyright 2010 Edwin Kempin <edwin.kempin@sap.com>  
Copyright 2015 Stephan Hackstedt <stephan.hackstedt@googlemail.com>  
Copyright 2015-2017 Thomas Wolf <thomas.wolf@paranor.ch>  
Copyright 2015 Jan-Ove Weichel <ovi.weichel@gmail.com>  
Copyright (C) 2016 IBM  
Copyright 2010-2012 Dariusz Luksza <dariusz@luksza.org>  
Copyright (c) 2011 2013 Chris Aniszczyk and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2013-2016 Obeo  
Copyright 2007 Robin Rosenberg <me@lathund.dewire.com.dewire.com>  
Copyright 2011-2015 Robin Stocker <robin@nibor.org>  
Copyright (C) 2017 Wim Jongman <wim.jongman@remainssoftware.com> bug  
Copyright (C) 2015 Laurent Delaigue <laurent.delaigue@obeo.fr>  
Copyright 2006-2008, 2013-2017 Shawn O. Pearce <spearce@spearce.org> and others  
Copyright (C) 2008 2016 Roger C. Soares <rogersoares@intelinet.com.br> and others  
Copyright 2007, 2014 JCraft Inc. and others  
Copyright (C) 2012 Manuel Doninger <manuel.doninger@googlemail.com>  
Copyright 2017 Stefan Rademacher <stefan.rademacher@tk.de>  
Copyright (C) 2014 Gerd Zanker &lt;gerd.zanker@web.de>  
Copyright 2012-2013 Francois Rey <eclipse.org\_@\_francois\_.rey\_.name>  
Copyright 2008 Marek Zawirski <marek.zawirski@gmail.com>  
Copyright 2011, 2013 Robin Rosenberg  
Copyright (C) 2011 2013 Tasktop Technologies Inc and others.  
Copyright 2011 Bernard Leach <leachbj@bouncycastle.org>  
Copyright (C) 2011 Benjamin Muskalla <benjamin.muskalla@tasktop.com>  
Copyright (c) 2014 IBM Corporation and others.&lt;br> All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2008, 2012, 2014-2015 Marek Zawirski <marek.zawirski@gmail.com> and others  
Copyright (c) 2005 2009 Shawn Pearce Robin Rosenberg et.al. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright (C) 2010 2015 Benjamin Muskalla <bmuskalla@eclipsesource.com> and others.  
Copyright (c) 2010 2016 SAP AG GitHub Inc. and others and other  
Copyright 2010-2011 Chris Aniszczyk <caniszczyk@gmail.com>  
Copyright 2014, 2016 Red Hat Inc. and others  
Copyright (C) 2012 Robin Stocker <robin@nibor.org> and other  
Copyright (c) 2014 Tobias Melcher <tobias.melcher@sap.com> Felix Otto <felix.otto@sap.com>  
Copyright 2009-2012 Stefan Lay <stefan.lay@sap.com>  
Copyright 2007 Robin Rosenberg <me@lathund.dewire.com>  
Copyright 2015-2017 Stefan Dirix <sdirix@eclipsesource.com>  
Copyright (C) 2008 2015 Tomi Pakarinen <tomi.pakarinen@iki.fi> and others.

Copyright 2008-2009 Tor Arne Vestb <torarnv@gmail.com>  
Copyright 2011-2012 Markus Duft <markus.duft@salomon.at>  
Copyright 2008-2009 Google Inc  
Copyright (c) 2014 2015 Andrea Guarinoni and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2014 Maik Schreiber  
Copyright (c) 2011 GEBIT Solutions. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2010-2011 Jens Baumgart <jens.baumgart@sap.com>  
Copyright 2011-2012 GitHub Inc  
Copyright 2006-2010, 2012 Robin Rosenberg <robin.rosenberg@dewire.com>  
Copyright (C) 2012 2016 Mathias Kinzler <mathias.kinzler@sap.com> and others and other  
Copyright (C) 2011 Tasktop Technologies Inc.  
Copyright 2007 Jing Xue <jingxue@digizenstudio.com>  
Copyright 2007 Dave Watson <dwatson@mimvista.com>  
Copyright 2014 Marc Khouzam <marc.khouzam@ericsson.com>  
Copyright (C) 2010 2016 Roland Grunberg <rgrunber@redhat.com> and others  
Copyright (C) 2010 Ryan Schmitt <ryan.schmitt@boeing.com>  
Copyright 2014-2015 Andrey Loskutov <loskutov@gmx.de>  
Copyright (c) 2016 Matthias Sohn and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2015 Denis Zygann <d.zygann@web.de>  
Copyright (C) 2012 Kevin Sawicki <kevin@github.com> and other  
Copyright (c) 2012-2016 Red Hat Inc and others. Distributed under license by Red Hat Inc. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright (C) 2012 Steffen Pingel <steffen.pingel@tasktop.com>  
Copyright 2011, 2014-2015, 2017 Bernard Leach <leachbj@bouncycastle.org> and others  
Copyright (C) 2011 2015 Greg Amerson <gregory.amerson@liferay.com> and others.  
Copyright (C) 2014 Maik Schreiber <blizzy@blizzy.de>  
Copyright (C) 2009 2013 Yann Simon <yann.simon.fr@gmail.com> and others.  
Copyright (c) 2011 Dariusz Luksza <dariusz@luksa.org> All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2012-2014 Markus Duft <markus.duft@salomon.at> and others  
Copyright (C) 2012 2016 Stefan Lay <stefan.lay@sap.com> and others  
Copyright (C) 2017 Obeo and others.  
Copyright (C) 2013 2016 Stephen Elsemore <selsemore@collab.net> and others.  
Copyright 2014, 2016 Konrad Kglar <swamblumat-eclipsebugs@yahoo.de> and others  
Copyright (C) 2013 Michael Keppler <michael.keppler@gmx.de>  
Copyright 2010-2013 SAP AG  
Copyright (C) 2016 Dani Megert <daniel\_megert@ch.ibm.com>  
Copyright 2010-2017 Mathias Kinzler <mathias.kinzler@sap.com> and others  
Copyright 2011, 2013 Dariusz Luksza <dariusz.luksza@gmail.com>  
Copyright 2012-2013 Gunnar Wagenknecht <gunnar@wagenknecht.org>  
Copyright (c) 2010 2013 SAP AG and other. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2011-2013, 2016 Daniel Megert <daniel\_megert@ch.ibm.com>  
Copyright 2000, 2003-2008, 2010-2016 IBM Corp and others  
Copyright 2010-2013, 2015 Matthias Sohn <matthias.sohn@sap.com>  
Copyright 2010-2012, 2016 Mathias Kinzler <mathias.kinzler@sap.com>  
Copyright (c) 2010 2012 EclipseSource. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2007 Martin Oberhuber (martin.oberhuber@windriver.com)  
Copyright 2006-2008, 2012, 2015 Shawn O. Pearce <spearce@spearce.org>  
Copyright 2009 Alex Blewitt <alex.blewitt@gmail.com>  
Copyright 2014 Andreas Hermann <a.v.hermann@gmail.com>  
Copyright 2015 Philipp Bumann <bumannp@gmail.com>

Copyright 2012-2013, 2015 Laurent Goubet <laurent.goubet@obeo.fr>  
Copyright 2014, 2016 Vadim Dmitriev and others  
Copyright (C) 2014 Konrad Kglor <swamblumat-eclipsebugs@yahoo.de>  
Copyright 2010, 2012-2016 Robin Stocker <robin@nibor.org> and others  
Copyright (C) 2015 Frank Jakob  
Copyright 2008 Roger C. Soares <rogersoares@intelinet.com.br>  
Copyright 2011-2012, 2016 Mathias Kinzler <mathias.kinzler@sap.com> and other  
Copyright (c) 2012 2015 Kyle J. Harms <harmask@seas.wustl.edu>  
Copyright (C) 2017 Martin Fleck <mfleck@eclipsesource.com>  
Copyright (C) 2010 Mathias Kinzler <mathias.kinzler@sap.com>  
Copyright 2010-2016 Jens Baumgart <jens.baumgart@sap.com> and others  
Copyright (c) 2012 2016 SAP SE and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2011, 2014-2015 Benjamin Muskalla and others  
Copyright 2009 Igor Fedorenko <igor@ifedorenko.com>  
Copyright 2009 Yann Simon <yann.simon.fr@gmail.com>  
Copyright (C) 2010 Thorsten Kamann <thorsten@kamann.info>  
Copyright 2011-2013, 2016-2017 Matthias Sohn <matthias.sohn@sap.com> and others  
Copyright (C) 2011 2015 Philipp Thun <philipp.thun@sap.com> and others  
Copyright 2014-2015 Maik Schreiber and others  
Copyright 2011, 2015 Christian Halstrick <christian.halstrick@sap.com>  
Copyright 2011-2012, 2014-2015 IBM Corp  
Copyright (c) 2012 Tomasz Zarna and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright (C) 2014 Marc-Andre Laperle <marc-andre.laperle@ericsson.com>  
Copyright (C) 2016 Andrey Rodionov <rodionovamp@mail.ru>  
Copyright 2010-2011 Philipp Thun <philipp.thun@sap.com>  
Copyright 2013 Tomasz Zarna <tomasz.zarna@tasktop.com>  
Copyright (C) 2013 Ben Hammen <hammenb@gmail.com>  
Copyright 2011-2016 GitHub Inc and others  
Copyright (C) 2013 Carsten Pfeiffer <carsten.pfeiffer@gebit.de>  
Copyright (C) 2008 Shunichi Fuji <palglowr@gmail.com>  
Copyright (C) 2013 Tobias Pfeifer <to.pfeifer@sap.com>  
Copyright 2010-2015 Dariusz Luksza <dariusz@luksza.org> and others  
Copyright (C) 2010 Thorsten Kamann &lt;thorsten@kamann.info&gt;  
Copyright (C) 2015 Christian Georgi <christian.georgi@sap.com>  
Copyright 2016 Lars Vogel <Lars.Vogel@vogella.com>  
Copyright (C) 2011 2015 Tasktop Technologies Inc. and others.  
Copyright (C) 2012 Markus Keller <markus\_keller@ch.ibm.com>  
Copyright 2010-2017 SAP AG and others

eclipse-emp version 2.14.0  
<<<<<<<<<<xilinx-separator>>>>>>>>>>

Eclipse Public License - v 2.0  
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and



b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

### 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

- a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and
- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ('notices') contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and

unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

eclipse-gmf version 1.7.0

<<<<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Eclipse Public License, Version 1.0, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

eclipse-linuxtools version 2.1.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>>>

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
- b) in the case of each subsequent Contributor:
  - i) changes to the Program, and
  - ii) additions to the Program;where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
- b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
- c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other

entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

### 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS"

BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

eclipse-linuxtools version 6

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

/\*\*\*\*\*

- \* Copyright (c) 2013 IBM Corporation
- \* All rights reserved. This program and the accompanying materials
- \* are made available under the terms of the Eclipse Public License v1.0

\* which accompanies this distribution, and is available at  
\* <http://www.eclipse.org/legal/epl-v10.html>

\*

\* Contributors:

\* Rafael Peria de Sene <rpsene@br.ibm.com> - initial API and implementation

\*\*\*\*\*/

Copyright 2011-2014 IBM Corp  
Copyright 2009-2010, 2013, 2015-2016 STMicroelectronics  
Copyright (c) 2010 2011 Elliott Baron All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright (c) 2016 Ingenico.com All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2013, 2016 Kalray.eu and others  
Copyright 2005, 2016-2017 QNX Software Systems and others  
Copyright 2009-2017 STMicroelectronics and others  
Copyright 2011-2014, 2016-2017 IBM Corp and others  
Copyright 2008, 2011-2015, 2017 Red Hat Inc  
Copyright (c) 2008 2009 Wind River Systems and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright (c) 2012 Red Hat Inc. and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2013 Kalray.eu

eclipse-nebula version 1.0.0

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

\*\*\*\*\*

\* Copyright (c) 2004, 2007 Boeing.  
\* All rights reserved. This program and the accompanying materials  
\* are made available under the terms of the Eclipse Public License v1.0  
\* which accompanies this distribution, and is available at  
\* <http://www.eclipse.org/legal/epl-v10.html>

\*

\* Contributors:

\* Boeing - initial API and implementation

\*\*\*\*\*/

author Web Performance Inc Copyright 2010  
Copyright (c) 2004 2009 IBM Corporation and others. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License  
Copyright 2004, 2007, 2015-2016 Boeing

eclipse-photon version 4.8.0

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

- a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and
- b) in the case of each subsequent Contributor:
  - i) changes to the Program, and
  - ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works. "Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.
- b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
- c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
- d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the



copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

### 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

- a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and
- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

- a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
- b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ('notices') contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY

WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution

"originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf.

Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making

modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

## 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:

i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and

iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

### 3.2 When the Program is Distributed as Source Code:

a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and

b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ("notices") contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

## 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits

and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

## 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

#### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.  
eclipse-tcf version 1.6.0

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Eclipse Distribution License - v 1.0  
Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>

The text of the Eclipse Public License, version 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

eclipse-wtp version 3.8.2

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content Distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.



"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

## 2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.
- b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
- c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
- d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.
- e) Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

## 3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

- a) the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and
- b) the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  - i) effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  - iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

### 3.2 When the Program is Distributed as Source Code:

a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and

b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ("notices") contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

### 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

### 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

#### Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}."

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.  
egit version 4.0.1

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the Eclipse Public License - v 1.0, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

---

- Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com>
- Copyright (C) 2007, 2008 Shawn O. Pearce <spearce@spearce.org> All rights reserved.
- Copyright (C) 2014, Maik Schreiber <blizzy@blizzy.de> All rights reserved.
- Copyright (C) 2015, Christian Halstrick <christian.halstrick@sap.com> All rights reserved.
- Copyright (C) 2008, 2013 Google Inc. and others. All rights reserved.
- Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua> Copyright (C) 2011, Robin Stocker <robin@nibor.org> All rights reserved.
- Copyright (c) 2011 Chris Aniszczyk and others. All rights reserved.
- Copyright (c) 2011 Benjamin Muskalla and others All rights reserved.
- Copyright (c) 2011 Benjamin Muskalla and others. All rights reserved.
- Copyright (c) 2011, 2014 Chris Aniszczyk and others. All rights reserved.

Copyright (c) 2011 Chris Aniszczyk and others. All rights reserved.  
Copyright (c) 2011 Benjamin Muskalla and others. All rights reserved.  
Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc. All rights reserved.  
Copyright (C) 2009, Tor Arne Vestb , <torarnv@gmail.com> All rights reserved.  
Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2011, Robin Rosenberg Copyright (C) 2013, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2013, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2010, 2012 Jens Baumgart <jens.baumgart@sap.com> and others. All rights reserved.  
Copyright (C) 2008, 2013 Shawn O. Pearce <spearce@spearce.org> and others. All rights reserved.  
Copyright (c) 2011, 2015 GitHub Inc. and others. All rights reserved.  
Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.  
Copyright (C) 2010, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2011, 2013 Matthias Sohn <matthias.sohn@sap.com> and others. All rights reserved.  
Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua> Copyright (C) 2011, Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2010, Edwin Kempin <edwin.kempin@sap.com> All rights reserved.  
Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc.  
Copyright (C) 2012, Fran ois Rey <eclipse.org\_@\_francois\_.\_rey\_.\_name>  
Copyright (C) 2013, Carsten Pfeiffer <carsten.pfeiffer@gebit.de> All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Shunichi Fuji <palglowr@gmail.com> Copyright (C) 2008, Google Inc. Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2013, Fran ois Rey <eclipse.org\_@\_francois\_.\_rey\_.\_name> Copyright (C) 2013, Gunnar Wagenknecht <gunnar@wagenknecht.org> All rights reserved.  
Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> All rights reserved.  
Copyright (C) 2010, 2015 Jens Baumgart <jens.baumgart@sap.com> and others. All rights reserved.  
Copyright (c) 2011, 2013 Chris Aniszczyk and others. All rights reserved.  
Copyright (c) 2006, 2014 Shawn Pearce and others. All rights reserved.  
Copyright (c) 2011, IBM Corporation All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> All rights reserved.  
Copyright (C) 2011, 2015 Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (c) 2000, 2006 IBM Corporation and others. All rights reserved.  
Copyright (c) 2004, 2008 IBM Corporation and others. Copyright (C) 2007, Martin Oberhuber (martin.oberhuber@windriver.com) Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2012, 2015 Laurent Goubet <laurent.goubet@obeo.fr> Copyright (C) 2012, Gunnar Wagenknecht <gunnar@wagenknecht.org> All rights reserved.  
Copyright (c) 2013, 2015 Robin Stocker <robin@nibor.org> and others. All rights

reserved.

Copyright (c) 2010 SAP AG. All rights reserved.

Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> All rights reserved.

Copyright (C) 2015, Obeo. All rights reserved.

Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, Markus Duft <markus.duft@salomon.at> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2014, Andrey Loskutov <loskutov@gmx.de> All rights reserved.

Copyright (C) 2011, 2013 Jens Baumgart <jens.baumgart@sap.com> and others. All rights reserved.

Copyright (C) 2011, 2014 Jens Baumgart <jens.baumgart@sap.com> and others. All rights reserved.

Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> All rights reserved.

Copyright (c) 2013 SAP AG. All rights reserved.

Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C)

2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> Copyright (C) 2015, IBM Corporation (Dani Megert <daniel\_megert@ch.ibm.com>) All rights reserved.

Copyright (C) 2007, Robin Rosenberg <me@lathund.dewire.com> Copyright (C) 2006, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org>

Copyright (C) 2013, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> All rights reserved.

Copyright (C) 2006, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2013, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2014, Obeo All rights reserved.

Copyright (C) 2007, Robin Rosenberg <me@lathund.dewire.com> Copyright (C) 2006, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> All rights reserved.

Copyright (C) 2014, Konrad KÄ¼gler <swamblumat-eclipsebugs@yahoo.de> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2014, Obeo All rights reserved.

Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> All rights reserved.

Copyright (C) 2010, Dariusz Luksza <dariusz@luksza.org> All rights reserved.

Copyright (c) 2013 Obeo. All rights reserved.

Copyright (c) 2010, 2013 IBM Corporation and others. All rights reserved.

Copyright (C) 2011, 2013 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.

Copyright (c) 2010, 2012 IBM Corporation and others. All rights reserved.

Copyright (c) 2010, 2013 IBM Corporation and others. All rights reserved.

Copyright (C) 2010, 2013 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.

Copyright (C) 2012, Dariusz Luksza <dariusz@luksza.org> All rights reserved.

Copyright (C) 2010, 2014 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.

Copyright (C) 2006, 2012 Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2014, Obeo All rights reserved.

Copyright (c) 2012 GitHub Inc. All rights reserved.

Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (C) 2009, Alex Blewitt <alex.blewitt@gmail.com> Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> All rights reserved.

Copyright (c) 2014 Maik Schreiber All rights reserved.

Contributors: Maik Schreiber - initial implementation /

Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc.

Copyright (C) 2010, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (c) 2011 GitHub Inc. All rights reserved.

Copyright (c) 2010 SAP AG. All rights reserved.

Copyright (C) 2011, Stefan Lay <stefan.lay@sap.com> Copyright (C) 2011, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (C) 2011, Stefan Lay <stefan.lay@sap.com> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2010, Roland Grunberg <rgrunber@redhat.com> Copyright (C) 2012, 2014 Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2015, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (C) 2012, 2013 Matthias Sohn <matthias.sohn@sap.com> and others. All rights reserved.

Copyright (c) 2010, 2014 SAP AG and others. Copyright (C) 2012, 2013 Tomasz Zarna <tzarna@gmail.com> Copyright (C) 2014 Axel Richard <axel.richard@obeo.fr> All rights reserved.

Copyright (c) 2012, 2013 GitHub Inc and others. All rights reserved.

Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc. Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua> Copyright (C) 2013, Matthias Sohn <matthias.sohn@sap.com> All rights reserved. program

Copyright (C) 2011-2012, Stefan Lay <stefan.lay@sap.com> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2010, Stefan Lay <stefan.lay@sap.com> All rights reserved.

Copyright (c) 2012, 2014 GitHub Inc and others. All rights reserved.

Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (c) 2010, 2013 SAP AG. All rights reserved.

Copyright (C) 2012, Stefan Lay <stefan.lay@sap.com> All rights reserved.

Copyright (c) 2010-2012, SAP AG and others. All rights reserved.

Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc. All rights reserved.

Copyright (C) 2011, Bernard Leach <leachbj@bouncycastle.org> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2006, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2010, 2011, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.

Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2013, Tobias Pfeifer <to.pfeifer@sap.com> Copyright (C) 2014, Marc Khouzam <marc.khouzam@ericsson.com> All rights reserved.

Copyright (c) 2010, 2011 SAP AG and others. All rights reserved.

Copyright (C) 2010, Thorsten Kamann <thorsten@kamann.info> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> and others. All rights reserved.

Copyright (C) 2012, Manuel Doninger <manuel.doninger@googlemail.com> Copyright (C) 2012, Steffen Pingel <steffen.pingel@tasktop.com> All rights reserved.

Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2013, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (c) 2010, 2015 SAP AG and others. All rights reserved.

Copyright (C) 2007,2010 Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (c) 2006, 2008 IBM Corporation and others. All rights reserved.

Copyright (c) 2011, 2014 Benjamin Muskalla and others. All rights reserved.

Copyright (c) 2011, 2013 SAP AG and others. All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2010, Philipp Thun <philipp.thun@sap.com> All rights reserved.

Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (c) 2011, 2015 Benjamin Muskalla and others. All rights reserved.

Copyright (c) 2005, 2015 Shawn Pearce and others. All rights reserved.

Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, 2013 Matthias Sohn <matthias.sohn@sap.com> Copyright (C) 2011, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2012, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2012, Laurent Goubet <laurent.goubet@obeo.fr> Copyright (C) 2012, Gunnar Wagenknecht <gunnar@wagenknecht.org> Copyright (C) 2013, Ben Hammen <hammenb@gmail.com> Copyright (C) 2014, Marc Khouzam <marc.khouzam@ericsson.com> Copyright (C) 2014, Red Hat Inc. Copyright (C) 2014, Axel Richard <axel.richard@obeo.fr> Copyright (C) 2015, SAP SE (Christian Georgi <christian.georgi@sap.com>) All rights reserved.

Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2011, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2011, Bernard Leach <leachbj@bouncycastle.org> Copyright (C) 2013, Michael Keppler <michael.keppler@gmx.de> Copyright (C) 2014, IBM Corporation (Markus Keller <markus\_keller@ch.ibm.com>) Copyright (C) 2015, IBM Corporation (Dani Megert <daniel\_megert@ch.ibm.com>) All rights reserved.

Copyright (c) 2000, 2005 IBM Corporation and others. Copyright (c) 2011 Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (c) 2003, 2012 IBM Corporation and others. All rights reserved.  
Copyright (C) 2012, 2015 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (c) 2010, 2015 SAP AG and others. All rights reserved.  
Copyright (c) 2000, 2013 IBM Corporation and others. All rights reserved.  
Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Chris Aniszczyk <caniszczyk@gmail.com> Copyright (C) 2013, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2013, Robin Stocker <robin@nibor.org> Copyright (C) 2014, Axel Richard <axel.richard@obeo.fr> All rights reserved.  
Copyright (c) 2011, 2014 GitHub Inc and others. All rights reserved.  
Copyright (c) 2011, 2013 GitHub Inc and others. All rights reserved.  
Copyright (c) 2005, 2008 IBM Corporation and others. All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2011, Stefan Lay <stefan.lay@sap.com> All rights reserved.  
Copyright (C) 2008, 2012 Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2012, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2012, Gunnar Wagenknecht <gunnar@wagenknecht.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> All rights reserved.  
Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2012, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> All rights reserved.  
Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2013, Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2011-2012, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2011-2012, Matthias Sohn <matthias.sohn@sap.com> Copyright (C) 2012-2013, Robin Stocker <robin@nibor.org> Copyright (C) 2012, Daniel Megert <daniel\_megert@ch.ibm.com> All rights reserved.  
Copyright (C) 2012, 2014 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (C) 2006, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2011, Matthias Sohn <matthias.sohn@sap.com> Copyright (C) 2011, IBM Corporation Copyright (C) 2012, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (c) 2010, Stefan Lay <stefan.lay@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2011, 2013 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.



Copyright (c) 2010, 2012 SAP AG and others. All rights reserved. Copyright (C) 2012, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (C) 2006, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (c) 2010, Stefan Lay <stefan.lay@sap.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2010-2012, Matthias Sohn <matthias.sohn@sap.com> Copyright (C) 2012, Daniel megert <daniel\_megert@ch.ibm.com> Copyright (C) 2012-2013 Robin Stocker <robin@nibor.org> Copyright (C) 2012, FranÃ§ois Rey <eclipse.org\_@\_francois\_.\_rey\_.\_name> Copyright (C) 2015, IBM Corporation (Dani Megert <daniel\_megert@ch.ibm.com>) All rights reserved.

Copyright (c) 2010 SAP AG. All rights reserved.

Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> Copyright (C) 2015, IBM Corporation (Dani Megert <daniel\_megert@ch.ibm.com>) All rights reserved.

Copyright (C) 2012-2014, Markus Duft <markus.duft@salomon.at> and others All rights reserved.

Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2010, 2013 MathiasKinzler <mathias.kinzler@sap.com> and others. All rights reserved.

Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2013, Tomasz Zarna <tomasz.zarna@tasktop.com> All rights reserved.

Copyright (c) 2011 GitHub Inc. All rights reserved.

Copyright (c) 2010 SAP AG. All rights reserved.

Copyright (C) 2010, 2014 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.

Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Gunnar Wagenknecht <gunnar@wagenknecht.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> All rights reserved.

Copyright (C) 2010, 2014, Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.

Copyright (C) 2012, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (c) 2014 Maik Schreiber and others. All rights reserved.

Copyright (C) 2014, Andreas Hermann <a.v.hermann@gmail.com> All rights reserved.

Copyright (c) 2013 SAP AG. All rights reserved.

Copyright (c) 2010, 2013 SAP AG. All rights reserved.

Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2011, IBM Corporation Copyright (C) 2012, Daniel Megert <daniel\_megert@ch.ibm.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua> All rights reserved.

Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.

Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.

Copyright (c) 2010, 2013 SAP AG. All rights reserved.

Copyright (c) 2012 SAP AG. All rights reserved.

Copyright (c) 2012 Tomasz Zarna and others. All rights reserved.

Copyright (C) 2011, 2014 Bernard Leach <leachbj@bouncycastle.org> and others. All rights reserved.

Copyright (C) 2011, 2015 Bernard Leach <leachbj@bouncycastle.org> and others.

All rights reserved.

accompanies

Copyright (C) 2011, Bernard Leach <leachbj@bouncycastle.org> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2014, Axel Richard <axel.richard@obeo.fr> All rights reserved.

Copyright (C) 2013, Stephen Elsemore <selsemore@collab.net> and others. All rights reserved.

Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2010, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (c) 2011 SAP AG. All rights reserved.

Copyright (C) 2010, Roland Grunberg <rgrunber@redhat.com> All rights reserved.

Copyright (c) 2006, 2007 IBM Corporation and others. All rights reserved.

Copyright (C) 2014 Robin Stocker <robin@nibor.org> and others. All rights reserved.

Copyright (C) 2007, 2014 Shawn O. Pearce <spearce@spearce.org> and others. All rights reserved.

Copyright (C) 2009, Yann Simon <yann.simon.fr@gmail.com> All rights reserved.

Copyright (C) 2011, 2015 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.

Copyright (C) 2011-2012, IBM Corporation and others. All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2006, Shawn O. Pearce <spearce@spearce.org> All rights reserved.

Copyright (C) 2010, 2013 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.

Contributors: Mathias Kinzler <mathias.kinzler@sap.com> Laurent Goubet <laurent.goubet@obeo.fr> Gunnar Wagenknecht <gunnar@wagenknecht.org> / Copyright (C) 2009, Alex Blewitt <alex.blewitt@gmail.com> All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Jing Xue <jingxue@digizenstudio.com> Copyright (C) 2007, Robin Rosenberg

<me@lathund.dewire.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce

<spearce@spearce.org> Copyright (C) 2010, Stefan Lay <stefan.lay@sap.com>

Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2011, Benjamin Muskalla <benjamin.muskalla@tasktop.com> Copyright (C) 2012, FranÃ§ois Rey <eclipse.org\_@\_francois\_.\_rey\_.\_name> All rights reserved

Copyright (C) 2012, Mathias Kinzler <mathias.kinzler@sap.com> and other copyright owners as documented in the project's IP log. All rights reserved.

Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.

Copyright (C) 2009, Stefan Lay <stefan.lay@sap.com> All rights reserved.

Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2006, Shawn O. Pearce <spearce@spearce.org> All rights reserved.

Copyright (c) 2011 GitHub Inc. All rights reserved.

Copyright (C) 2009, Stefan Lay <stefan.lay@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> All rights reserved.

Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> All rights reserved.

Copyright (c) 2011 GitHub Inc. All rights reserved.

Copyright (C) 2010, 2013 Roland Grunberg <rgrunber@redhat.com> All rights reserved.

Copyright (C) 2014, Konrad KÃ¼gler <swamblumat-eclipsebugs@yahoo.de> and others. All rights reserved.

Copyright (c) 2011, 2012 GitHub Inc. and others. All rights reserved.  
Copyright (c) 2010 SAP AG. All rights reserved.  
Copyright (c) 2013, 2014 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Jing Xue <jingxue@digizenstudio.com> Copyright (C) 2007, Robin Rosenberg <me@lathund.dewire.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Stefan Lay <stefan.lay@sap.com> All rights reserved.  
Copyright (C) 2011, 2014 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.  
Copyright (C) 2009, Alex Blewitt <alex.blewitt@gmail.com> Copyright (C) 2010, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> Copyright (C) 2013, François Rey <eclipse.org\_@\_francois\_.re\_.name> All rights reserved.  
Copyright (c) 2011, 2012 GitHub Inc. and others. All rights reserved.  
Copyright (c) 2012, 2014 Markus Duft <markus.duft@salomon.at> and others. All rights reserved.  
Copyright (C) 2010, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2011, 2012 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.  
Copyright (C) 2006, 2013 Shawn O. Pearce <spearce@spearce.org> and others. All rights reserved.  
Copyright (C) 2010, 2012 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.  
Copyright (C) 2011, Bernard Leach <leachbj@bouncycastle.org> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, Robin Stocker <robin@nibor.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> All rights reserved.  
Copyright (c) 2013 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (C) 2009, Yann Simon <yann.simon.fr@gmail.com> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, Robin Stocker <robin@nibor.org> Copyright (C) 2013, Laurent Goubet <laurent.goubet@obeo.fr> All rights reserved.  
Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com > All rights reserved.  
Copyright (C) 2011, Bernard Leach <leachbj@bouncycastle.org> All rights reserved.  
Copyright (c) 2011, 2013 GitHub Inc. and others. All rights reserved.  
Copyright (C) 2010, 2012 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.  
Copyright (C) 2014, Red Hat Inc. and others. All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2006, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, 2013 Robin Stocker <robin@nibor.org> Copyright (C) 2012, 2013 François Rey <eclipse.org\_@\_francois\_.re\_.name> Copyright (C) 2013 Laurent Goubet <laurent.goubet@obeo.fr> Copyright (C) 2015, IBM Corporation (Dani Megert <daniel\_megert@ch.ibm.com>) All rights reserved.  
Copyright (C) 2011, Stefan Lay <stefan.lay@sap.com> Copyright (C) 2011, 2013, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (c) 2006 IBM Corporation and others. All rights reserved.

Copyright (C) 2009, 2013 Yann Simon <yann.simon.fr@gmail.com> and others. All rights reserved.

Copyright (C) 2011, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2013, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C)

2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2013, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (c) 2011 IBM Corporation and others. All rights reserved.

Copyright (c) 2005, 2015 IBM Corporation and others. All rights reserved.

Copyright (C) 2012, Robin Stocker <robin@nibor.org> and other copyright owners

Copyright (c) 2011 SAP AG. All rights reserved.

Copyright (C) 2010, 2013 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.

Copyright (C) 2012, 2013 Mathias Kinzler <mathias.kinzler@sap.com> and other copyright owners as documented in the project's IP log. All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Robin

Rosenberg <me@lathund.dewire.com.dewire.com> Copyright (C) 2007, Robin Rosenberg

<me@lathund.dewire.com> Copyright (C) 2008, Robin Rosenberg

<robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce

<spearce@spearce.org> Copyright (C) 2011, Mathias Kinzler

<mathias.kinzler@sap.com> Copyright (C) 2012, Daniel Megert

<daniel\_megert@ch.ibm.com> Copyright (C) 2012, 2013 Robin Stocker

<robin@nibor.org> Copyright (C) 2012, IBM Corporation (Markus Keller

<markus\_keller@ch.ibm.com>) Copyright (C) 2013, François Rey

<eclipse.org\_@\_francois\_.\_rey\_.\_name> All rights reserved.

Copyright (c) 2010, 2012 SAP AG and others. All rights reserved.

Copyright (c) 2011, 2014 SAP AG and others. All rights reserved.

Copyright (c) 2013 Tomasz Zarna <tomasz.zarna@tasktop.com> All rights reserved.

Copyright (C) 2010, Dariusz Luksza <dariusz@luksza.org> All rights reserved.

Copyright (c) 2011 Mathias Kinzler <mathias.kinzler@sap.com> Copyright (c) 2011

Matthias Sohn <matthias.sohn@sap.com> All rights reserved.

Copyright (C) 2010, 2013 Benjamin Muskalla <bmuskalla@eclipsesource.com> and others. All rights reserved

Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> and other copyright owners as documented in the project's IP log. All rights reserved.

Copyright (c) 2011, 2013 SAP AG and others. All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Robin

Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce

<spearce@spearce.org> Copyright (C) 2010, Chris Aniszczyk <caniszczyk@gmail.com>

Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C)

2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2011, Daniel Megert

<daniel\_megert@ch.ibm.com> Copyright (C) 2012, Markus Keller

<markus\_keller@ch.ibm.com> All rights reserved.

Copyright (c) 2011, 2012 Tasktop Technologies and others. All rights reserved.

Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.

Copyright (c) 2012 Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.

Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Robin

Rosenberg <me@lathund.dewire.com.dewire.com> Copyright (C) 2007, Robin Rosenberg

<me@lathund.dewire.com> Copyright (C) 2008, Robin Rosenberg

<robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce

<spearce@spearce.org> Copyright (C) 2011, Mathias Kinzler

<mathias.kinzler@sap.com> Copyright (C) 2011, Jens Baumgart

<jens.baumgart@sap.com> Copyright (C) 2012, IBM Corporation (Markus Keller

<markus\_keller@ch.ibm.com>) Copyright (C) 2012, 2013 Robin Stocker

<robin@nibor.org> Copyright (C) 2014 IBM Corporation (Daniel Megert

<daniel\_megert@ch.ibm.com>) Copyright (C) 2015 SAP SE (Christian Georgi <christian.georgi@sap.com>) All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Chris Aniszczyk <caniszczyk@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> All rights reserved  
Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> and other copyright owners as documented in the project's IP log. All rights reserved.  
Copyright (c) 2010, 2014 SAP AG and others. Copyright (C) 2012, Tomasz Zarna <Tomasz.Zarna@pl.ibm.com> All rights reserved.  
Copyright (c) 2011 GEBIT Solutions. All rights reserved.  
Copyright (C) 2011, 2013 Tasktop Technologies Inc and others. All rights reserved.  
Copyright (C) 2011, Tasktop Technologies Inc. All rights reserved.  
Copyright (C) 2011, 2015 Tasktop Technologies Inc. and others. Copyright (C) 2015, Obeo. All rights reserved  
Copyright (C) 2011, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2008, 2015 Tomi Pakarinen <tomi.pakarinen@iki.fi> and others. All rights reserved.  
Copyright (C) 2010, 2013 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (c) 2010, SAP AG. All rights reserved.  
Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2010, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2013, Dariusz Luksza <dariusz.luksza@gmail.com> All rights reserved.  
Copyright (c) 2000, 2012 IBM Corporation and others. Copyright (C) 2009, Tor Arne VestbÅ, <torarnv@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2011-2012, Tomasz Zarna <Tomasz.Zarna@pl.ibm.com> All rights reserved.  
Copyright (c) 2011, Chris Aniszczyk <caniszczyk@gmail.com> and others. All rights reserved.  
Copyright (c) 2011, 2015 Chris Aniszczyk <caniszczyk@gmail.com> and others. All rights reserved.  
Copyright (c) 2011, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (c) 2014, Konrad KÅ¼gler <swamblumat-eclipsebugs@yahoo.de> and others. All rights reserved.  
Copyright (C) 2008, 2012 Marek Zawirski <marek.zawirski@gmail.com> and others. All rights reserved.  
Copyright (c) 2010, 2015 Red Hat, Inc. All rights reserved.  
Copyright (C) 2013 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (C) 2007, 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2010, Matthias Sohn <matthias.sohn@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C)

2010, Chris Aniszczyk <caniszczyk@gmail.com> All rights reserved.  
Copyright (c) 2010, 2015 Red Hat, Inc. All rights reserved.  
Copyright (C) 2007, 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2010, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2011, Dariusz Luksza <dariusz.luksza@gmail.com> All rights reserved.  
Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Markus Duft <markus.duft@salomon.at> All rights reserved.  
Copyright (c) 2010-2013 SAP AG and others. All rights reserved.  
Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2009, 2013 Robin Rosenberg and others. Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua> Copyright (C) 2011, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2007, IBM Corporation and others Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc. Copyright (C) 2008, Tor Arne VestbÅ, <torarnv@gmail.com> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2011, Christian Halstrick <christian.halstrick@sap.com> All rights reserved.  
Copyright (C) 2011, Philipp Thun <philipp.thun@sap.com> All rights reserved.  
Copyright (C) 2008, Tor Arne VestbÅ, <torarnv@gmail.com> All rights reserved.  
Copyright (C) 2008, 2009 Robin Rosenberg <robin.rosenberg@dewire.com> All rights reserved.  
Copyright (C) 2011, Philipp Thun <philipp.thun@sap.com> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2011, Christian Halstrick <christian.halstrick@sap.com> All rights reserved.  
Copyright (C) 2007, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2007, Shawn O. Pearce <spearce@spearce.org> All rights reserved. Copyright (C) 2007, 2013 IBM Corporation and others.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Google Inc. Copyright (C) 2008, Tor Arne VestbÅ, <torarnv@gmail.com> Copyright (C) 2011, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2011, Christian Halstrick <christian.halstrick@sap.com> Copyright (C) 2015, IBM Corporation (Dani Megert <daniel\_megert@ch.ibm.com>) All rights reserved.  
Copyright (C) 2011, Markus Duft <markus.duft@salomon.at> All rights reserved.  
Copyright (C) 2010, 2011 Mathias Kinzler <mathias.kinzler@sap.com> and others. All rights reserved.  
Copyright (c) 2011, 2013 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2012 SAP AG and others. All rights reserved.  
Copyright (C) 2008, 2014 Marek Zawirski <marek.zawirski@gmail.com> and others. All rights reserved.  
Copyright (c) 2011, 2012 SAP AG and others. All rights reserved.  
Copyright (C) 2008, 2015 Marek Zawirski <marek.zawirski@gmail.com> and others. All rights reserved.  
Copyright (c) 2012, 2015 SAP SE and others. All rights reserved. Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All rights reserved.

Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, Mathias Kinzler mathias.kinzler@sap.com> Copyright (C) 2015, Christian Georgi <christian.georgi@sap.com> All rights reserved.  
Copyright (C) 2014, 2015 Robin Stocker <robin@nibor.org> and others. All rights reserved.  
Copyright (c) 2010 SAP AG. Copyright (C) 2013 Robin Rosenberg All rights reserved.  
Copyright (c) 2012, 2015 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2015 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and other. All rights reserved. Copyright (c) 2010 SAP AG. All rights reserved.  
Copyright (c) 2010 SAP AG. All rights reserved.  
Copyright (c) 2012, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (c) 2010-2011 SAP AG. All rights reserved.  
Copyright (c) 2010, 2012 EclipseSource. All rights reserved.  
Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (c) 2014, Tobias Melcher <tobias.melcher@sap.com> All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (c) 2010, 2013 SAP AG and others. All rights reserved.  
Copyright (c) 2010 SAP AG. Copyright (c) 2011, Matthias Sohn <matthias.sohn@sap.com> Copyright (c) 2011, Dariusz Luksza <dariusz@luksa.org> All rights reserved.  
Copyright (c) 2010 SAP AG. Copyright (c) 2011, Matthias Sohn <matthias.sohn@sap.com> All rights reserved.  
Copyright (c) 2010, 2015 IBM Corporation and others. All rights reserved.  
Copyright (c) 2010 IBM Corporation and others. All rights reserved.  
Copyright (C) 2010, 2014 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.  
Copyright (C) 2010, 2015 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.  
Copyright (C) 2010, 2012 Dariusz Luksza <dariusz@luksza.org>. Copyright (C) 2012, 2013 Laurent Goubet <laurent.goubet@obeo.fr> Copyright (C) 2012, Gunnar Wagenknecht <gunnar@wagenknecht.org> All rights reserved.  
Copyright (C) 2010, Dariusz Luksza <dariusz@luksza.org> Copyright (C) 2012, Copyright (C) 2010, 2012 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.  
Copyright (C) 2010,2011 Dariusz Luksza <dariusz@luksza.org> All rights reserved.  
Copyright (C) 2013 Robin Stocker <robin@nibor.org> All rights reserved.  
Copyright (C) 2011, 2012 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.  
Copyright (C) 2011, 2015 Greg Amerson <gregory.amerson@liferay.com> and others. All rights reserved.  
Copyright (C) 2011, 2012 Dariusz Luksza <dariusz@luksza.org> and others. All rights reserved.  
Copyright (c) 2010, 2014 SAP AG and others. All rights reserved.  
Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, 2011, Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (C) 2011, 2012 SAP AG and others. All rights reserved.  
Copyright (c) 2010-2013 SAP AG and others. All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (c) 2010, Benjamin Muskalla <bmuskalla@eclipsesource.com> Copyright (c) 2012, IBM Corporation All rights reserved.  
Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Marek Zawirski <marek.zawirski@gmail.com> Copyright (C) 2008, Robin Rosenberg <robin.rosenberg@dewire.com> Copyright (C) 2010, Mathias Kinzler <mathias.kinzler@sap.com> Copyright (C) 2010, Benjamin Muskalla

<bmuskalla@eclipsesource.com> Copyright (C) 2012, Stefan Lay  
<stefan.lay@sap.com> All rights reserved.  
Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C)  
2008, Shawn O. Pearce <spearce@spearce.org> Copyright (C) 2008, Marek Zawirski  
<marek.zawirski@gmail.com> Copyright (C) 2008, Robin Rosenberg  
<robin.rosenberg@dewire.com> Copyright (C) 2010, Mathias Kinzler  
<mathias.kinzler@sap.com> Copyright (C) 2013, Robin Stocker <robin@nibor.org>  
All rights reserved.  
Copyright (C) 2008, Roger C. Soares <rogersoares@intelinet.com.br> Copyright (C) 2008, Shawn O. Pearce  
<spearce@spearce.org> Copyright (C) 2008, Marek Zawirski  
<marek.zawirski@gmail.com> Copyright (C) 2008, Robin Rosenberg  
<robin.rosenberg@dewire.com> Copyright (C) 2010, Mathias Kinzler  
<mathias.kinzler@sap.com> Copyright (C) 2010, Benjamin Muskalla  
<bmuskalla@eclipsesource.com> All rights reserved.  
Copyright (c) 2004, 2013 IBM Corporation and others. Copyright (C) 2007, Martin  
Oberhuber (martin.oberhuber@windriver.com) Copyright (C) 2008, Robin Rosenberg  
<robin.rosenberg@dewire.com> Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua>  
Copyright (C) 2010, Wim Jongman <wim.jongman@remainssoftware.com> Copyright (C)  
2010, Benjamin Muskalla <bmuskalla@eclipsesource.com> Copyright (C) 2011,  
Mathias Kinzler <mathias.kinzler@sap.com> All rights reserved.  
Copyright (c) 2004, 2013 IBM Corporation and others. Copyright (C) 2007, Martin  
Oberhuber (martin.oberhuber@windriver.com) Copyright (C) 2008, Robin Rosenberg  
<robin.rosenberg@dewire.com> Copyright (C) 2009, Mykola Nikishov <mn@mn.com.ua>  
Copyright (C) 2010, Wim Jongman <wim.jongman@remainssoftware.com> Copyright (C)  
2010, Ryan Schmitt <ryan.schmitt@boeing.com> Copyright (C) 2013, Robin Stocker  
<robin@nibor.org> All rights reserved.  
Copyright (C) 2011, Robin Rosenberg Copyright (C) 2011, Chris Aniszczyk  
<caniszczyk@gmail.com> Copyright (C) 2015, IBM Corporation (Dani Megert  
<daniel\_megert@ch.ibm.com>) All rights reserved.  
Copyright (c) 2012, 2015 Kyle J. Harms <harmask@seas.wustl.edu> All rights  
reserved.  
Copyright (C) 2012, Markus Duft <markus.duft@salomon.at> All rights reserved.  
Copyright (c) 2012, 2013 GitHub Inc and others. All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com> Copyright (C) 2007, Jing Xue <jingxue@digizenstudio.com>  
Copyright (C) 2007, Robin Rosenberg  
<me@lathund.dewire.com> Copyright (C) 2008, Robin Rosenberg  
<robin.rosenberg@dewire.com> Copyright (C) 2008, Shawn O. Pearce  
<spearce@spearce.org> Copyright (C) 2010, Stefan Lay <stefan.lay@sap.com>  
Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> Copyright (C) 2012, Robin Stocker <robin@nibor.org> All  
rights reserved.  
Copyright (c) 2011, 2014 GitHub Inc. and others. All rights reserved.  
Copyright (c) 2011, 2015 GitHub Inc. and others. All rights reserved.  
Copyright (c) 2011, 2012 GitHub Inc. All rights reserved.  
Copyright (c) 2011 GitHub Inc. and others. All rights reserved.  
Copyright (c) 2011, 2013 GitHub Inc. and others. All rights reserved.  
Copyright (C) 2012, Kevin Sawicki <kevin@github.com> and other copyright owners as documented in the project's IP log.  
All rights reserved.  
Copyright (c) 2011, 2013 GitHub Inc. and others. All rights reserved. Copyright (c) 2012-2014 Red Hat, Inc. Distributed  
under license by Red Hat, Inc. All rights reserved.  
Copyright (C) 2007, Dave Watson <dwatson@mimvista.com>  
Copyright (C) 2007, Jing Xue <jingxue@digizenstudio.com>  
Copyright (C) 2007, 2008 Robin Rosenberg <me@lathund.dewire.com>  
Copyright (C) 2008, Shawn O. Pearce <spearce@spearce.org>  
Copyright (C) 2010, Stefan Lay <stefan.lay@sap.com>  
Copyright (C) 2011, Jens Baumgart <jens.baumgart@sap.com> All rights reserved.  
Copyright (c) 2010 SAP AG.



Copyright (c) 2011, 2014 GitHub Inc. and other  
copyright owners as documented in the project's IP log. All rights reserved.  
Copyright (c) 2012 IBM Corporation and others. All rights reserved.  
Copyright (c) 2014 Vadim Dmitriev and others. All rights reserved.  
Copyright (c) 2013, 2015 SAP AG and others. All rights reserved.

This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 which  
accompanies this distribution, and is available at <http://www.eclipse.org/legal/epl-v10.html> /

---

Copyright (C) 2014, Andre de Oliveira  
Copyright (C) 2014, Alexey Kuznetsov  
Copyright (C) 2009, Alex Blewitt  
Copyright (C) 2014, Axel Richard  
Copyright (C) 2014, Andrey Loskutov  
Copyright (C) 2011, Abhishek Bhatnagar  
Copyright (C) 2010, 2011, 2012, 2013 Chris Aniszczyk  
Copyright (C) 2009, 2010, 2011, 2012, 2013, 2014, 2015 Christian Halstrick  
Copyright (C) 2007, 2008, Charles O'Farrell  
Copyright (C) 2011, Christoph Brill  
Copyright (C) 2013, CloudBees, Inc.  
Copyright (C) 2009, 2010 Constantine Plotnikov  
Copyright (C) 2012, Daniel Megert  
Copyright (C) 2009, Daniel Cheng  
Copyright (C) 2007, Dave Watson  
Copyright (C) 2015 Ericsson  
Copyright (C) 2011, 2015 François Rey  
Copyright (C) 2008, Florian Koeberle  
Copyright (C) 2010, Garmin International  
Copyright (C) 2008-2012, 2014, 2015 Google Inc.  
Copyright (C) 2011, GEBIT Solutions  
Copyright (C) 2007 The Guava Authors  
Copyright (C) 2011, 2012 GitHub Inc.  
Copyright (C) 2013, Gunnar Wagenknecht  
Copyright (C) 2013, 2014 Gustaf Lundh  
Copyright (C) 2011, 2012, IBM Corporation  
Copyright (C) 2010, Jens Baumgart  
Copyright (C) 2009, 2010 JetBrains s.r.o.  
Copyright (C) 2008, 2009, Johannes E. Schindelin  
Copyright (C) 2008, Jonas Fonseca  
Copyright (C) 2014, Konrad Kägl  
Copyright (C) 2011, Ketan Padegaonkar  
Copyright (C) 2014 Laurent Goujon  
Copyright (C) 2009, 2010, 2011, 2012, 2013, 2014, 2015 Matthias Sohn  
Copyright (C) 2010, 2013 Marc Strapetz  
Copyright (C) 2009, Mark Struberg  
Copyright (C) 2008, Marek Zawirski  
Copyright (C) 2010, Matt Fischer  
Copyright (C) 2010, Mathias Kinzler  
Copyright (C) 2009, Mykola Nikishov  
Copyright (C) 2013, 2014, 2015 Obeo  
Copyright (C) 2011, Philipp Thun  
Copyright (C) 2008, Mike Ralphson  
Copyright (C) 2012, Research In Motion Limited  
Copyright (C) 2010, Red Hat Inc.

Copyright (C) 2006-2013, Robin Rosenberg  
Copyright (C) 2008, Roger C. Soares  
Copyright (C) 2010-2012, 2013, 2014 Robin Stocker  
Copyright (C) 2011, Roberto Tyley  
Copyright (C) 2009, 2011, 2012, 2014 Sasa Zivkov  
Copyright (C) 2006-2012, Shawn O. Pearce  
Copyright (C) 2010, 2013, 2014 Sasa Zivkov  
Copyright (C) 2010-2014, Stefan Lay  
Copyright (C) 2008, Thad Hughes  
Copyright (C) 2011, 2012, Tomasz Zarna  
Copyright (C) 2009, Tor Arne VestbÅ  
Copyright (C) 2009, VasyI' Vavrychuk  
Copyright (C) 2009, Yann Simon  
Copyright (C) 2015 Zend Technologies Ltd.

and other copyright owners as documented in the project's IP log.

This program and the accompanying materials are made available under the terms of the Eclipse Distribution License v1.0 which accompanies this distribution, is reproduced below, and is available at

<http://www.eclipse.org/org/documents/edl-v10.php> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. -

Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. **THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /**

---

eltclsh version 1.12  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

#

```
# Copyright (c) 2001 LAAS/CNRS          -- Tue Oct 9 2001
# All rights reserved.                  Anthony Mallet
```

```
#
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are
# met:
```

- ```
#
# 1. Redistributions of source code must retain the above copyright
#    notice, this list of conditions and the following disclaimer.
# 2. Redistributions in binary form must reproduce the above copyright
#    notice, this list of conditions and the following disclaimer in
#    the documentation and/or other materials provided with the
#    distribution.
```

```
# THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND
# ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
# PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
# WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
# OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
# ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
#
Copyright 1996-2001 Free Software Foundation Inc. Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>
Copyright 1996-2001, 2003-2008 Free Software Foundation Inc. Written by Gordon Matzigkeit
Copyright 2001-2011 LAAS CNRS
Copyright 1998 Scriptics Corp
Copyright 1997 Sun Microsystems Inc
Copyright 2001, 2010-2011 LAAS CNRS -- Tue Oct
Copyright 1991 the Massachusetts Institute of Technology
Copyright 1992-2009, 2011 Free Software Foundation Inc
Copyright (c) 2003 LAAS CNRS -- Mon Jul
Copyright 2001-2011 LAAS-CNRS static char
Copyright (c) 2001 2010 LAAS CNRS -- Sun Oct
Copyright 2001, 2010 LAAS CNRS Wed Oct
Copyright 2001-2003 LAAS CNRS -- Sat Oct
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>
Copyright 2001, 2010-2011 LAAS CNRS -- Wed Oct
```

```
emacps_xilinx_driver version 3.5
<<<<<<<<<<xilinx-separator>>>>>>>>>
```

```
# Copyright (C) 2011 - 2016 Xilinx, Inc. All rights reserved.
#
# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to deal
# in the Software without restriction, including without limitation the rights
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the Software is
# furnished to do so, subject to the following conditions:
```



gcc version 9.2.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC RUNTIME LIBRARY EXCEPTION, Version 3.1 (March 2009), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> gcc/go  
Copyright (c) 2009 The Go Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

>>>> boost  
DRuntime: Runtime Library for the D Programming Language  
=====

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization

obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> functions:

This function is in the public domain. \*/

>>>> doc

Copyright (C) 2005-2019 Free Software Foundation, Inc.

This is part of the GNU Fortran manual.

For copying conditions, see the file gfortran.texi.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or

any later version published by the Free Software Foundation; with the Invariant Sections being ``Funding Free Software'', the Front-Cover Texts being (a) (see below), and with the Back-Cover Texts being (b) (see below). A copy of the license is included in the gfdl(7) man page.

>>>

---

compiler\_rt License

---

The compiler\_rt library is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

---

University of Illinois/NCSA  
Open Source License

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE

CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====  
Copyrights and Licenses for Third Party Software Distributed with LLVM:  
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

| Program       | Directory                      |
|---------------|--------------------------------|
| -----         | -----                          |
| mach_override | lib/interception/mach_override |

```
>>>>
//
// Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
// See https://llvm.org/LICENSE.txt for license information.
// SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
//
```



---- LLVM Exceptions to the Apache 2.0 License ----

=====

The LLVM Project is under the Apache License v2.0 with LLVM Exceptions:

=====

The text of the Apache License, Version 2.0, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

As an exception, if, as a result of your compiling your source code, portions of this Software are embedded into an Object form of such source code, you may redistribute such embedded portions in such Object form without complying with the conditions of Sections 4(a), 4(b) and 4(d) of the License.

In addition, if you combine or link compiled forms of this Software with software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

=====

Software from third parties included in the LLVM Project:

=====

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

=====

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

=====

The software contained in this directory tree is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

=====

University of Illinois/NCSA  
Open Source License

Copyright (c) 2017-2019 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:  
Threading Runtimes Team  
Intel Corporation

<http://www.intel.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- \* Neither the names of Intel Corporation Threading Runtimes Team nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyright (c) 2017-2019 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>>

-----  
This program, "bzip2", the associated library "libbzip2", and all

documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

-----

Copyright 1989-2019 Free Software Foundation Inc. Contributed by Mike Stump <[mrs@cygnus.com](mailto:mrs@cygnus.com)>  
Copyright 2014-2019 Free Software Foundation Inc. Written by Iain Buclaw ([ibuclaw@gdcproject.org](mailto:ibuclaw@gdcproject.org))  
Copyright 1993, 1995, 2007-2019 FSF  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Chung-Lin Tang <[cltang@codesourcery.com](mailto:cltang@codesourcery.com)>  
Copyright 2002-2019 Free Software Foundation Inc. Written by Zack Weinberg <[zack@codesourcery.com](mailto:zack@codesourcery.com)>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Richard Henderson <[rth@redhat.com](mailto:rth@redhat.com)> and Aldy Hernandez <[aldyh@redhat.com](mailto:aldyh@redhat.com)>  
Copyright 2000-2007 Lucent Technologies Inc. and others  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <[fxcoudert@gcc.gnu.org](mailto:fxcoudert@gcc.gnu.org)>  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by the Center for Software Science at the University of Utah.  
Copyright 1987-2019 Free Software Foundation Inc. Hacked by Michael Tiemann ([tiemann@cygnus.com](mailto:tiemann@cygnus.com))  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Kenneth Zadeck <[zadeck@naturalbridge.com](mailto:zadeck@naturalbridge.com)> Re-implemented by Diego Novillo <[dnovillo@google.com](mailto:dnovillo@google.com)>  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Nathan Sidwell <[nathan@codesourcery.com](mailto:nathan@codesourcery.com)> Re-

implemented in C

Copyright 2007-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com>

Copyright 2014 Jason King. License

Copyright (C) 2013-2019 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez <manu@gcc.gnu.org>

Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>. Modified and moved to separate file by Danny Smith

Copyright 1998-2019 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Alex Samuel <samuel@codesourcery.com>

Copyright 2012-2019 Free Software Foundation Inc. Contributed by Ilya Enkovich

Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by David O'Brien <obrien@FreeBSD.org>

Copyright 2007-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com>

Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by James E. Wilson <wilson@cygnus.com>.

Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Matthew Green (mrg@eterna.com.au).

Copyright (C) 2018 Free Software Foundation Inc. Contributed by Daniel Celis Garza <celisdanieljr@gmail.com> and Paul Thomas <pault@gcc.gnu.org>

Copyright 1995-2017 Jean-loup Gailly detect

Copyright 2009-2019 Free Software Foundation Inc. Contributed by Doug Kwan <dougkwan@google.com>

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Hartmut Penner (hpenner@de.ibm.com) and Ulrich Weigand (uweigand@de.ibm.com)

Copyright 2009-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com> and Tobias Grosser <grosser@fim.uni-passau.de>

Copyright Sociomantic Labs GmbH 2016

Copyright 2012-2019 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com) Will Reece (wreece@altera.com) and Jeff DaSilva (jdasilva@altera.com)

Copyright 2005-2019 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlshaw

Copyright (C) 2015-2019 Free Software Foundation Inc. Contributed by Dmitry Vyukov <dvyukov@google.com> and Wish Wu <wishwu007@gmail.com>

Copyright (c) 1996-1998 John D. Polstra. All rights reserved.

Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>

Copyright 1999-2019 gfortran

Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@dberlin.org> and Steven Bosscher <stevenb@suse.de>

Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com). Rewritten by Paolo Bonzini (bonzini@gnu.org).

Copyright 1993-2019 Free Software Foundation Inc. Contributed by Philip Blundell <philb@gnu.org>

Copyright (C) 2003-2019 Free Software Foundation Inc. Contributed by P.J. Darcy (darcypj@us.ibm.com) Hartmut Penner (hpenner@de.ibm.com) and

Copyright (C) 1999 2000 2002 National Research Council of Canada.

Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>

Copyright 2007-2019 Free Software Foundation Inc. Contributor Claudiu Zissulescu <claudiu.zissulescu@synopsys.com>

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Charles-Antoine Gauthier (charles.gauthier@iit.nrc.ca)

Copyright 2004-2019 Free Software Foundation Inc. Contributed by Steven G. Kargl <kargls@comcast.net>

Copyright 2013-2019 Free Software Foundation Inc. Contributed by Andreas Krebbel <krebbel@linux.vnet.ibm.com>

Copyright 1988, 2000, 2002 Free Software Foundation written by Doug Lea (dl@rocky.oswego.edu)

Copyright 2003-2019 Free Software Foundation Inc. Contributed by Feng Wang <wf\_cs@yahoo.com>

Copyright 2002-2019 Free Software Foundation Inc. Major work done by Sebastian Pop <s.pop@laposte.net> Diego Novillo <dnovillo@redhat.com> and Jason Merrill <jason@redhat.com>

copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Copyright 2016-2019 Free Software Foundation Inc. Written by David Tolnay (dtolnay@gmail.com)

Copyright 2008-2019 Free Software Foundation Inc. Contributed by Jan Sjodin <jan.sjodin@amd.com> and Sebastian Pop <sebastian.pop@amd.com>

Copyright 1998-2019 Free Software Foundation Inc. Contributed by Axis Communications

Copyright (C) 2001 2002 2003 2004 Free Software Foundation Inc. Simos Xenitellis <simos@hellug.gr>

Copyright 2000-2007 Vita Nuova Holdings Ltd

Copyright 2003-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <pop@cri.enscm.fr>

Copyright 2001-2019 Free Software Foundation Inc. Contributed by Ziemowit Laski <zlaski@apple.com>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Andrew Sutton (andrew.n.sutton@gmail.com)  
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by Ilie Garbacea <ilie@mips.com> Chao-ying Fu <fu@mips.com>.  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Philip Blundell <pb@nexus.co.uk>  
copyrights-brig 2017-2019  
Copyright 1991-2019 Free Software Foundation Inc. -- -- -- GNARL is free software  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Steven Bosscher  
Copyright 2006-2019 Free Software Foundation Inc. Written by Carlos O'Donnell <carlos@codesourcery.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Diego Novillo <dnovillo@redhat.com>  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Dmitry Vyukov <dvyukov@google.com>  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Joern Rennecke <joern.rennecke@superh.com>  
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc October  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Iain Sandoe  
Copyright 1991 Per Bothner  
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rearnsha@armltd.co.uk).  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Kai Tietz <ktietz@redhat.com>  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by CodeSourcery LLC  
Copyright (C) 1995-2019 Free Software Foundation Inc. Mostly written by Jason Merrill (jason@cygnus.com).  
Copyright (C) 2011-2019 Free Software Foundation Inc. Based on code contributed by CodeSourcery for ARM EABI Linux.  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Andy Vaught  
Copyright 2014-2016 Intel Corp  
Copyright (C) 1997-2019 Free Software Foundation Inc. Contributed by Russell King <rmk92@ecs.soton.ac.uk>.  
Copyright (C) 2013-2019 Free Software Foundation Inc. DMULT DDIV replacement support by Juergen Urban  
JuergenUrban@gmx.de.  
Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Douglas B Rupp <rupp@gnat.com>  
Copyright 2011 David Nadlinger  
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Tristan Gingold (gingold@adacore.com).  
Copyright 2014-2019 Free Software Foundation Inc. Originally contributed by David Malcolm <dmalcolm@redhat.com>  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Steve Naroff.  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by David Edelsohn (edelsohn@gnu.org)  
Copyright (C) 1996-2019 Free Software Foundation Inc. Written By Steve Chamberlain  
Copyright (C) 2011-2019 Free Software Foundation Inc. print print cc This file is part of GCC.  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by Pieter  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Nick Clifton (nickc@redhat.com)  
Copyright 1995-2017 Jean-loup Gailly  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Andy Vaught Write float code factoring to this file  
by Jerry DeLisle  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by CodeSourcery Inc  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Diego Novillo <dnovillo@google.com>  
Copyright 1998-1999 Greg Colvin and Beman Dawes  
Copyright 2002-2004 Dmitriy Anisimkov -- -- --  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Walter Lee (walt@tilera.com)  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by matthew green <mrg@eterna.com.au>  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by ARM Ltd  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson  
Copyright (C) 2008-2019 Free Software Foundation Inc. Originally written by CodeSourcery for VFP.  
Copyright (C) 1997-2019 Free Software Foundation Inc. Contributed by Ovidiu Predescu (ovidiu@net-community.com).  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Rong Xu <xur@google.com>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Martin Jambor <mjambor@suse.cz> and Martin Liska  
<mliska@suse.cz>  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems Ltd  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)

Copyright 2004-2019 Free Software Foundation Inc. Contributed by Apple Inc  
Copyright 2005-2018 Sean Kelly  
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Joern Rennecke  
Copyright 2013-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM  
Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by P.J. Darcy (darcypj@us.ibm.com).  
Copyright 1987-2019 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@cgsoftware.com>  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Andy Vaught Namelist transfer functions contributed by Paul Thomas  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Lawrence Crowl <crowl@google.com>  
Copyright 1990-2018 Free Software Foundation  
Copyright (C) 1997-2019 Free Software Foundation Inc. Contributed by Mike Stump <mrs@wrs.com>.  
Copyright 1989-2019 Free Software Foundation Inc. Contributed by A. Lichnewsky (lich@inria.inria.fr). Changed by Michael Meissner (meissner@osf.org)  
Copyright Kai Nacke 2012  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Richard Henderson (rth@redhat.com)  
Copyright 2008-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com>  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com> Ian Lance Taylor <iant@google.com>  
Copyright 2011 Free Software Foundation Inc. License GPLv3  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Danny Smith <dannysmith@users.sourceforge.net>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Jes Sorensen <Jes.Sorensen@cern.ch>  
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by David S. Miller (davem@caip.rutgers.edu)  
Copyright (C) 1990-2019 Free Software Foundation Inc. Contributed by James E. Wilson of Cygnus Support. Mangled by Bob Manson of Cygnus Support.  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Jan Hubicka  
Copyright (C) 2010-2019 Free Software Foundation Inc. Contributed by Ilya Enkovich (ilya.enkovich@intel.com)  
Copyright 1997-1999 Vita Nuova Ltd  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@redhat.com>  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Jason Merrill <jason@redhat.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Xinliang David Li <davidxl@google.com>  
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Tom de Vries (tom@codesourcery.com)  
Copyright (C) 1994-2019 Free Software Foundation Inc. Originally contributed by Dave Love (d.love@dl.ac.uk).  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by John David Anglin (dave.anglin@nrc.ca).  
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Gerald Pfeifer <gerald@pfeifer.com>.  
Copyright Robert burner Schadek 2013  
Copyright 1996 treaty adopted on  
Copyright (C) 1989-2019 Free Software Foundation Inc. Contributed by A. Lichnewsky lich@inria.inria.fr. Changes by Michael Meissner meissner@osf.org.  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Ian Lance Taylor <iant@google.com>  
Copyright (C) 2006 Free Software Foundation Inc. Caslav Ilic <caslav.ilic@gmx.net>  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by C.Nettleton J.P.Parkes and P.Garbett  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Rafael Avila de Espindola (espindola@google.com)  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Andy Vaught and Janne Blomqvist  
Copyright 2018-2019 Free Software Foundation Inc. Contributed by Nicolas Koenig  
Copyright 2016 sociomantic labs  
Copyright 1995-2017 Mark Adler  
Copyright 2011-2012 Jonas Drewsen  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (richard.earnshaw@arm.com)  
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Alan Modra <amodra@gmail.com>.  
Copyright 1989-2019 Free Software Foundation Inc. Contributed by Apple Computer Inc  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Sriraman Tallam (tmsriram@google.com)  
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Ian Lance Taylor Google.  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Red Hat  
Copyright (C) 2010-2018 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>  
Copyright 2003-2019 Free Software Foundation Inc. Written by CodeSourcery LLC

Copyright 1986-2019 Free Software Foundation Inc. Contributed by Per Bothner  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Tim Moore (moore@cs.utah.edu) based on sparc.  
Copyright 2008-2009 Janice Caron  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Tobias Schlüter  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Jason Merrill (jason@cygnus.com)  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dehao Chen (dehao@google.com)  
Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Devang Patel <dpatel@apple.com>  
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by NEC EL  
Copyright 1994-1999 Lucent Technologies Inc  
copyright (C) 1991-2011 Thomas G. Lane Guido Vollbeding. All Rights Reserved except as specified below.  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)  
Copyright 2011 Daniel Marschall License  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Lars Segerlund <seger@linuxmail.org> Steve Kargl and Janne Blomqvist.  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Ollie Wild <aaw@google.com>.  
Copyright (c) 2001 David E. O'Brien Portions  
Copyright 2001-2019 Free Software Foundation Inc. Written By Nick Clifton  
Copyright (C) 1987-2019 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) and modified by Brendan Kehoe (brendan@cygnus.com).  
Copyright (c) 2013 the authors. All rights reserved. License  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Janne Blomqvist  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldy@quesejoda.com>.  
Shamelessly stolen from the Java front end.  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Nicolas Pitre (nico@fluxnic.net)  
Copyright (C) 2000-2019 Free Software Foundation Inc. Adapted from original RTL SSA-CCP by Daniel Berlin <dberlin@dberlin.org> Adapted to GIMPLE trees by Diego Novillo <dnovillo@redhat.com>  
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Andi Kleen.  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org> based on unpack  
Copyright (C) 1995 1996 1997 2003 2004 2005 2007 2009 Free Software Foundation Inc. written by Ulrich Drepper <drepper@gnu.ai.mit.edu> June  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Cygnus Support  
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by Philip Blundell <philb@gnu.org> and Catherine Moore <clm@cygnus.com>  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Gabriel Dos Reis <gdr@integrable-solutions.net>  
Copyright 2007-2019 AdaCore -- -- --  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Georg-Johann Lay (avr@gjlay.de)  
Copyright (C) 2002-2019 Free Software Foundation Inc. Lowering of expressions contributed by Sebastian Pop <s.pop@laposte.net> Re-written to support lowering of whole function trees documentation  
Copyright 1998-2008 The Free Software Foundation Inc  
Copyright 2003 Chris Anderson <christop@charm.net> Please  
Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>  
Copyright (C) 2014-2019 Free Software Foundation Inc. Contributed by Roman Gareev <gareevroman@gmail.com>.  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Wind River Systems. Rewritten by CodeSourcery LLC.  
Copyright 2005-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Georges-Andre Silber <Georges-Andre.Silber@ensmp.fr> and Sebastian Pop <sebastian.pop@amd.com>.  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Pieter J. Schoenmakers <tiggr@es.ele.tue.nl>  
Copyright 2002-2003 ARM Ltd  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>  
Copyright (C) 2003-2019 Free Software Foundation Inc. Updated by CodeSourcery LLC.  
Copyright 1991-2005 Unicode Inc  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Joel Sherrill (joel@OARcorp.com)  
Copyright 2001 Stephen L. Moshier (moshier@na-net.onrl.gov)  
Copyright 2017 Mentor Graphics Corporation

Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Janus Weil <janus@gcc.gnu.org>.  
Copyright (C) 2018-2019 Free Software Foundation Inc. Contributed by Stafford Horne based on other ports.  
Copyright (C) 2004-2019 Free Software Foundation Inc. Based on code by Michael P. Hayes  
(m.hayes@elec.canterbury.ac.nz)  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com). Contributed by  
Mentor Graphics Inc  
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>  
Copyright 2018-2019 Free Software Foundation Inc. Contributed by Stafford Horne  
Copyright 2010-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google  
Copyright Robert Klotzner 2012  
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Eddie C. Dost (ecd@skynet.be)  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Eric Youngdale. Modified for stabs-in-ELF by H.J. Lu  
Copyright (C) 1989-2019 Free Software Foundation Inc. Contributed by A. Lichnewsky lich@inria.inria.fr Changes by  
Michael Meissner meissner@osf.org  
Copyright 1997-2019 Free Software Foundation Inc. Contributed by Richard Henderson (rth@cygnus.com) and Jakub Jelinek  
(jj@ultra.linux.cz)  
Copyright 2005-2007 C H Forsyth (forsyth@terzarima.net) Revisions  
Copyright 2016-2019 Free Software Foundation Inc. Contributed by Daniel Santos <daniel.santos@pobox.com>  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Ralf Corspius (ralf.corsepius@rtems.org).  
Copyright 1991-2017 Florida State University -- --  
Copyright 2015-2019 Free Software Foundation Inc. Contributed by Pekka Jaaskelainen  
<pekka.jaaskelainen@parmance.com> for General Processor Tech  
Copyright (C) 2015-2019 Free Software Foundation Inc. Contributed by Ajit Kumar Agarwal <ajitkum@xilinx.com>.  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Kostya Serebryany <kcc@google.com>  
Copyright (c) 2012-2014 Sourcery Inc. All rights reserved.  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov <vmakarov@redhat.com>  
Copyright (C) 2008-2019 Free Software Foundation Inc. Contributed by Daniel Franke.  
Copyright (C) 2009 the Initial Developer. All Rights Reserved.  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by C-SKY Microsystems and Mentor Graphics  
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Catherine Moore <clm@cygnus.com>  
Copyright 2006-2019 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert  
Copyright 1995-2016 Jean-loup Gailly Mark Adler  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Denis Chertykov (chertykov@gmail.com)  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org>  
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>  
Copyright 2011 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>  
Copyright (C) 2012-2019 Free Software Foundation Inc. Contributed by Lawrence Crowl.  
Copyright 1999-2016 Digital Mars  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rearnsha@arm.com) Minor hacks  
by Nick Clifton (nickc@cygnus.com)  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Neil Booth May  
Copyright (C) 2018-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <oliva@adacore.com>  
Copyright 2008-2009 Jeremie Pelletier  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com>  
Contributed by Bernd Schmidt <bernds@codesourcery.com>  
Copyright 1992-2019 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) of Cygnus  
Support and Tim Moore (moore@defmacro.cs.utah.edu) of the Center for  
Copyright (C) 2000-2019 Free Software Foundation Inc. Written by Alex Samuel <samuel@codesourcery.com>  
Copyright (C) 2010-2019 Free Software Foundation Inc. Contributed by Thomas Knig.  
Copyright 2001 Stephen L. Moshier  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Loren J. Rittle <ljriddle@acm.org>  
Copyright (C) 2015-2019 Free Software Foundation Inc. Contributed by Dmitry Melnik <dm@ispras.ru>  
Copyright 2014 Jason King. Distributed  
copyrights-go 2010-2019  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Lifang Zeng <zlzf605@hotmail.com>  
Copyright 1992-2019 Free Software Foundation Inc. -- -- -- -- GNAT is free software



Copyright 2001-2019 Free Software Foundation Inc. Contributed by Jakub Jelinek <jakub@redhat.com>  
Copyright (C) 2007-2019 Free Software Foundation Inc. Written by Saurabh Verma (saurabh.verma@celunite.com) on behalf of Synopsys Inc.  
Copyright 2016-2019 Free Software Foundation Inc. Contributed by Martin Sebor <msebor@redhat.com>  
Copyright 2017-2019 Free Software Foundation Inc. Contributed by Sebastian Perta  
Copyright (C) 1998-2019 Free Software Foundation Inc. Written by Mark Mitchell (mmitchell@usa.net) based on code found formerly in parse.  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Michael K. Gschwind (mike@vlsivie.tuwien.ac.at)  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org>  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Andrew Waterman (andrew@sifive.com)  
Copyright 2008 Guido U. Draheim <guidod@gmx.de>  
Copyright (C) 2005-2019 Free Software Foundation Inc. dnl dnl This file is part of GCC.  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Altera and Mentor Graphics Inc  
Copyright 2009-2013, 2016-2017 The Go Authors  
Copyright (C) 2013-2019 Free Software Foundation Inc. Written by David Edelsohn IBM.  
Copyright (C) 1997 - 2002 Makoto Matsumoto and Takuji Nishimura -- -- All rights reserved. -- -- --  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Dorit Nuzman <dorit@il.ibm.com>  
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@cygnus.com).  
Copyright (c) 2012 Alex Rnne Petersen Distributed under the Boost Software License Version  
Copyright 2004, 2006 Bruce Ellis  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by David S. Miller (davem@redhat.com)  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@linux.vnet.ibm.com)  
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Ian Lance Taylor <ian@cygnus.com>.  
Copyright (C) 2018-2019 Free Software Foundation Inc. Contributed by Steven G. Kargl <kargl@gcc.gnu.org>  
Copyright 1991-2019 Free Software Foundation Inc. Written by Fred Fish  
Copyright (C) 2016-2019 Free Software Foundation Inc. Contributed by Than McIntosh Google.  
Copyright (C) 1989-2019 Free Software Foundation Inc. Contributed by Gavin Koch (gavin@cygnus.com).  
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by Jakub Jelinek  
Copyright 1994-2019 Free Software Foundation Inc. Contributor Joern Rennecke <joern.rennecke@embecosm.com> on behalf of Synopsys Inc  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Steve Ellcey <sje@cup.hp.com> and Reva Cuthbertson <reva@cup.hp.com>  
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Fred Fish (fnf@cygnus.com).  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Steven Bosscher <s.bosscher@student.tudelft.nl>  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Axis Communications. Written by Hans-Peter Nilsson  
Copyright (C) 1994-2019 Free Software Foundation Inc. Contributed by Doug Evans dje@cygnus.com.  
Copyright (C) 2003-2019 Free Software Foundation Inc. Contributed by keija Zhao  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <pop@cri.enscm.fr> Zdenek Dvorak <dvorakz@suse.cz> and Razya Ladelsky <razia@il.ibm.com>.  
Copyright (C) 2012-2019 Free Software Foundation Inc. Contributed by Bill Schmidt IBM <wschmidt@linux.ibm.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>  
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov>  
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Arthur Loiret <aloiret@debian.org>  
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@amd.com> and Konrad Trifunovic <konrad.trifunovic@inria.fr>.  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Simon Baldwin <simonb@google.com>  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Tobias Schlter  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Zack Weinberg <zack@codesourcery.com>  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Andrew Waterman (andrew@sifive.com). Based on MIPS target for GNU compiler  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Dorit Naishlos <dorit@il.ibm.com> and Ira Rosen <irar@il.ibm.com>  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Douglas B Rupp (rupp@gnat.com)

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Zack Weinberg Mar  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by David E. O'Brien <obrien@FreeBSD.org> and BSDi  
Copyright (C) 2008-2019 Free Software Foundation Inc. Based on linux-atomic.  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Ayal Zaks and Mustafa Hagog  
Copyright D Language Foundation 2018  
(C) Copyright Jeremy Siek 2000  
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Denis Chertykov <chertykov@gmail.com>  
Copyright 2004 Ami Tavor and Vladimir Dreizin IBM-HRL  
Copyright 2000-2019 Free Software Foundation Inc. Written By Timothy Wall  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com> and Diego Novillo <dnovillo@google.com>  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Torvald Riegel <triegel@redhat.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Bo Thorsen <bo@suse.de>  
Copyright 2000-2003 Software Foundation Inc  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Paul Yuan (yingbo.com@gmail.com) and Vinodha Ramasamy (vinodha@google.com)  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Eric Youngdale. Modified for stabs-in-ELF by H.J. Lu (hjl@lucon.org)  
Copyright 1990-2019 Free Software Foundation Inc. Contributed by James E. Wilson UC Berkeley Cygnus Support based on some ideas from Dain Samples of UC Berkeley  
Copyright (C) 2010-2019 Free Software Foundation Inc. Adapted from tree-pretty-print.  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Georg-Johann Lay <avr@gjlay.de>  
copyright and license notices. ChangeLog-1993-2007  
Copyright (C) 2010-2019 Free Software Foundation Inc. Split out from tree-ssa-ccp.  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Kenneth Zadeck <zadeck@naturalbridge.com>  
Copyright 1992-2019 Free Software Foundation Inc. - - - - -  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)  
Copyright (C) 1988-2019 Free Software Foundation Inc. Mostly by William Schelter.  
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by David Henkel-Wallace Cygnus Support (gumby@cygnus.com) Rewritten by Adam Nemet LynuxWorks Inc.  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldy@quesejoda.com>  
Copyright (c) Walter Bright 2014  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Andy Vaught  
Copyright (C) 2012-2019 Free Software Foundation Inc. Contributed by Jonah Graham (jgraham@altera.com) and Will Reece (wreece@altera.com).  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Paul Brook  
Copyright (C) 1996-2003 Gerard Jungman  
Copyright 2004 Henrik Ravn  
Copyright 2010-2011 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>  
Copyright 1993-2019 Free Software Foundation Inc. Written By Fred Fish Nov  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Thomas Koenig  
Copyright 2003-2019 Free Software Foundation Inc. Written by CodeSourcery  
Copyright (c) 1996 1997 Silicon Graphics  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by Joseph Myers <jsm28@cam.ac.uk>.  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Mentor Graphics  
Copyright 1998 Jacques Nomssi Nzali  
Copyright (C) 2016-2019 Free Software Foundation Inc. Contributed by Claudiu Zissulescu (claziss@synopsys.com)  
Copyright 2015-2019 Free Software Foundation Inc. Contributed by Martin Liska <mliska@suse.cz>  
Copyright (C) 2018-2019 Free Software Foundation Inc. Contributed by Joel Sherrill (joel.sherrill@OARcorp.com).  
Copyright (c) 1997 by Rick Booth From Inner Loops by Rick Booth Addison-Wesley  
Copyright (c) 2001 - 2002 Pavel EvilOne Minayev  
Copyright (C) 2015-2019 Free Software Foundation Inc. Contributed by Yoshinori Sato <ysato@users.sourceforge.jp>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices  
Copyright 2003 Cosmin Truta  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Jack Howarth <howarth.at.gcc@gmail.com>  
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by Ronald F. Guilmette <rfg@monkeys.com>.

Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromeey <tromeey@cygnus.com>  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <s.pop@laposte.net>  
Copyright 1996, 2007 to  
Copyright (C) 1997-2019 Free Software Foundation Inc. Contributed by John Carr (jfc@mit.edu).  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Hartmut Penner (hpenner@de.ibm.com) and Ulrich Weigand (uweigand@de.ibm.com) and  
Copyright (C) 1992-2019 Free Software Foundation Inc. Written by Ken Raeburn (raeburn@cygnus.com) while at Watchmaker Computing. Rewritten by Jason Merrill (jason@cygnus.com).  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Daniel Berlin <dberlin@dberlin.org>  
Copyright 1989-2019 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@segfault.us.com)  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Anthony Green  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz> based on linux  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by CodeSourcery Inc. www.codesourcery.com  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Andy Vaught <andy@xena.eas.asu.edu>  
Copyright (C) 1997 - 2002 Makoto Matsumoto and Takuji Nishimura All rights reserved.  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Paul Brook <paul@nowt.org> and Steven Bosscher <s.bosscher@student.tudelft.nl>  
Copyright 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Galen C. Hunt (gchunt@cs.rochester.edu)  
Copyright (C) 2019 Free Software Foundation Inc. Contributed by Thomas Knig <tkoenig@gcc.gnu.org>  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Paul Thomas  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Andreas Krebbel (Andreas.Krebbel@de.ibm.com)  
Copyright 2008-2015 Andrei Alexandrescu  
Copyright 2007 to include  
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Uros Bizjak <ubizjak@gmail.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Chris Smith (csmith@convex.com). Heavily modified by Michael Meissner (meissner@cygnus.com)  
Copyright (C) 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson (rth@tamu.edu).  
Copyright (C) 2004 2005 2006 Cavium Networks.  
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com> Diego Novillo <dnovillo@redhat.com>.  
Copyright 2001-2003 Peter Dimov  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@monkeys.com)  
Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>  
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Joern Rennecke <joern.rennecke@st.com>.  
Copyright 2012-2019 Free Software Foundation Inc. Written by Alan Modra IBM  
Copyright 2002-2019 Free Software Foundation Inc. . Contributed by David Edelsohn (edelsohn@gnu.org)  
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Stephen L. Moshier (moshier@world.std.com). Rewritten by Richard Henderson <rth@redhat.com>  
Copyright Kenji Hara 2014  
Copyright 1993 Sun Microsystems Inc  
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com). Reimplemented in C  
Copyright (C) 2018-2019 Free Software Foundation Inc. Contributed by Alexander Monakov.  
Copyright 2014-2019 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Bernd Schmidt <bernds@codesourcery.com>  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions  
Copyright 2015-2019 Free Software Foundation Inc. Contributed by Alexander Monakov <amonakov@ispras.ru>  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Andy Vaught and Paul Brook <paul@nowt.org>  
Copyright (C) 1996 1997 1998 1999 2000 2007 2010 James Theiler Brian Gough template  
Copyright (C) 1987-2019 Free Software Foundation Inc. Contributed by Douglas B. Rupp (rupp@gnat.com). Updated by Bernard W. Giroud (bgiroud@users.sourceforge.net).

Copyright 1992-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain (sac@cygnus.com) Jim Wilson (wilson@cygnus.com) and Doug Evans (dje@cygnus.com)  
Copyright 1984-2019 Free Software Foundation Inc  
Copyright 1997-2019 Free Software Foundation Inc. Contributed by Red Hat Inc  
Copyright 1999-2019 The D Language Foundation  
Copyright 2003-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>.  
Copyright 1997-2019 Free Software Foundation Inc. Contributed by Cygnus Solutions  
Copyright (C) 2016-2019 Free Software Foundation Inc. Contributed by Claudiu Zissulescu <claziss@synopsys.com>  
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by Tim Moore (moore@defmacro.cs.utah.edu)  
Copyright 1986-2019 Free Software Foundation Inc. Written by Per Bothner  
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by Jeff Law <law@redhat.com>  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain (sac@cygnus.com). Improved by Jim Wilson (wilson@cygnus.com)  
Copyright 2015-2019 Free Software Foundation Inc. Contributed by FTDI <support@ftdi.com>  
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Kresten Krab Thorup Bitfield support by Ovidiu Predescu  
Copyright (C) 2010-2019 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Neil Booth  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <coudert@clipper.ens.fr>  
Copyright Danny Milosavljevic 2014  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Andy Vaught Namelist input contributed by Paul Thomas  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Anatoly Sokolov (aesok@post.ru)  
Copyright 2003 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>  
Copyright 1987-2019 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com)  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Kresten Krab Thorup  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Nigel Stephens <nigel@mips.com>  
Copyright 1999-2019 Free Software Foundation Inc. Originally contributed by Michael P. Hayes (m.hayes@elec.canterbury.ac.nz mhayes@redhat.com)  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by Richard Guenther <rguenther@suse.de>  
Copyright (C) 2012-2019 Free Software Foundation Inc. Contributed by Theobroma Systems Design und Consulting GmbH.  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Douglas B. Rupp (rupp@gnat.com)  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Francois-Xavier Coudert <coudert@clipper.ens.fr>  
Copyright 1989-2019 Free Software Foundation Inc. Written by James Clark (jtc@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov <vmakarov@cygnus.com>.  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Andy Vaught & Niels Kristian Bech Jensen  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Daniel Berlin <dan@dberlin.org>  
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Georg Lay (avr@gjlay.de)  
Copyright (C) 1991-2019 Free Software Foundation Inc. Based on svr4.  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Pascal Obry <obry@adacore.com>  
Copyright 1982, 1986, 1990-1991, 1993, 2014 The Regents of the University of California  
Copyright (C) 1999-2019 Free Software Foundation Inc. Contributed by Kazumoto Kojima <kkojima@rr.iij4u.or.jp>  
Copyright 2002 Free Software Foundation Inc. Ales Nyakhaychyk <nyakhaychyk@i18n.linux.by>  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Kenneth Zadeck (zadeck@naturalbridge.com).  
Copyright (C) 2015-2019 Free Software Foundation Inc. -- -- -- S  
Copyright 1999 Citrus Project  
Copyright Guillaume Chatelet 2016  
Copyright 1997-2019 Free Software Foundation Inc. Contributed by Jason Merrill <jason@cygnus.com>  
Copyright 1995-2003 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by John Marino <gnugcc@marino.st>  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com>.  
Copyright 2009-2019 the contributors listed in CREDITS.TXT  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by David E. O'Brien <obrien@FreeBSD.org>.

Copyright 2013-2019 Free Software Foundation Inc. Contributed by David Malcolm <dmalcolm@redhat.com>  
Copyright (C) 2010-2019 Free Software Foundation Inc. Written by Marcus Shawcroft (marcus.shawcroft@arm.com) 64bit  
Atomics by Dave Gilbert (david.gilbert@linaro.org)  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Michael Matz (matz@ifh.de).  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@cygnus.com>  
Copyright 1997-2019 Free Software Foundation Inc. Contributed by Andrew MacLeod <amacleod@cygnus.com> Andrew  
Haley <aph@cygnus.com>  
Copyright 1992-2019 AdaCore -- -- -- GNAT is free software  
Copyright 2015 Jacob Carlborg  
Copyright 2010-2019 AdaCore -- -- -- GNARL is free software  
Copyright (C) 1998-2019 Free Software Foundation Inc. Contributed by Ovidiu Predescu.  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Richard Biener <rguenther@suse.de> and Prathamesh  
Kulkarni <bilbotheelffriend@gmail.com>  
Copyright 2012 Martin Nowak  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by Paul Thomas and Brooks Moses  
Copyright (C) 2004-2019 Free Software Foundation Inc. echo echo This file is part of GCC.  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Thomas Koenig <tkoenig@gcc.gnu.org> based on  
spread  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by Richard Kenner (kenner@vlsi1.ultra.nyu.edu)  
Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit  
Copyright 1986 University of Toronto. -- --  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Gabriel Dos Reis <gdr@codesourcery.com>  
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Paul Richard Thomas <pault@gcc.gnu.org> and  
Janus Weil <janus@gcc.gnu.org>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Marek Polacek <polacek@redhat.com>  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by Peter Bergner <bergner@vnet.ibm.com>  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Tobias Burnus <burnus@net-b.de>  
Copyright (C) 2000-2019 Free Software Foundation Inc. Written by Benjamin Chelf (chelf@codesourcery.com).  
Copyright 1995-2019 Free Software Foundation Inc. Written By Michael Meissner  
Copyright (C) 2011-2019 Free Software Foundation Inc. Contributed by Iain Sandoe <iains@gcc.gnu.org>  
Copyright 1995-1997 C H Forsyth (forsyth@terzarima.net)  
Copyright 1994 HEWLETT-PACKARD Co  
Copyright (C) 1987-2019 Free Software Foundation Inc. Written by Benjamin Chelf <chelf@codesourcery.com>  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Wasabi Systems. Inc.  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>  
Copyright (C) 2015-2019 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd.  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Mentor Graphics Inc  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Bernd Schmidt <bernds@codesourcery.com>  
Contributed by CodeSourcery  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Wasabi Systems Inc  
Copyright 2011-2012 Johannes Pfau  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Andes Technology Corp  
Copyright 2001 Free Software Foundation Inc. msgid  
Copyright 2008-2019 Free Software Foundation Inc. Written by Nathan Froyd  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Robert Millan  
Copyright (C) 2004-2011 Christopher E. Miller  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Ben Elliston <bje@redhat.com> and Andrew  
MacLeod <amacleod@redhat.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Mark Mitchell <mark@codesourcery.com>  
Copyright 2008 Steven Schveighoffer. Other code  
Copyright (C) 2013-2019 Free Software Foundation Inc. Contributed by Michael Matz <matz@suse.de>  
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are Inc herein by  
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc November  
Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Bud Davis and Janne Blomqvist.  
COPYRIGHT SIGN (16 000AA 16  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Andy Vaught & Katherine Holcomb

Copyright 2006-2019 Free Software Foundation Inc. Contributed by CodeSourcery  
Copyright (C) 2008-2019 Free Software Foundation Inc. Contributed by Martin Jambor <mjambor@suse.cz>  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Steve Ellcey <sje@cup.hp.com>  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Dorit Naishlos <dorit@il.ibm.com>  
Copyright (C) 2014-2019 Free Software Foundation Inc. Contributed by Martin Liska  
Copyright (C) 2001-2019 Free Software Foundation Inc. Adapted from  
Copyright Dominic Sayers Jacob Carlborg 2008  
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Motorola.  
Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>.  
Copyright 2000, 2015 notice and  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Bob Manson <manson@cygnus.com>. Completely remangled by Nathan Sidwell <nathan@codesourcery.com>  
Copyright 1992-2019 Free Software Foundation Inc. Contributed by Michael Tiemann (tiemann@cygnus.com) Enhanced by and currently maintained by Jim Wilson (wilson@cygnus.com)  
Copyright (C) 2009-2019 Free Software Foundation Inc. Contributed by Jack Howarth <howarth@bromo.med.uc.edu>.  
Copyright 1998-2019 Free Software Foundation Inc. . Contributed by Axis Communications. Written by Hans-Peter Nilsson  
Copyright (C) 2017-2019 Free Software Foundation Inc. Contributed by Michael Meissner <meissner@linux.vnet.ibm.com>.  
Copyright 2003-2019 Free Software Foundation Inc. Written by Kaveh R. Ghazi <ghazi@caip.rutgers.edu>  
Copyright 2001-2003 Peter Dimov and Multi Media Ltd  
Copyright (C) 1993-2019 Free Software Foundation Inc. Contributed by Kresten Krab Thorup and Dennis Glatting.  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)  
Copyright (C) 2007-2019 Free Software Foundation Inc. Contributed by Charles-Antoine Gauthier (charles.gauthier@nrc.ca).  
Copyright (C) 2008-2019 Free Software Foundation Inc. Based on code contributed by CodeSourcery for ARM EABI Linux. Modifications for PA Linux by Helge Deller <deller@gmx.de>  
Copyright 2017-2019 Free Software Foundation Inc. Contributed by Google  
Copyright 1995-1999 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>  
Copyright (C) 2008-2019 Free Software Foundation Inc. Contributed by Doug Kwan (dougkwan@google.com) Rewritten by CodeSourcery Inc.  
Copyright (C) 2015-2019 Free Software Foundation Inc. Contributed by Marcin Kocielnicki <koriakin@0x04.net>.  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by AdaCore  
Copyright (C) 1996-2019 Free Software Foundation Inc. -- -- -- -- GARLIC is free software you can redistribute it and or modify it under --  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Andy Vaught Namelist output contributed by Paul Thomas  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Nicola Pero <nicola.pero@meta-innovation.com>  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Paul Brook <paul@codesourcery.com>  
Copyright 1992-2019 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Richard Kenner (kenner@vlsi1.ultra.nyu.edu). Hacked by Michael Tiemann (tiemann@cygnus.com).  
Copyright (C) 1998-2019 Free Software Foundation Inc. Written by Mark Mitchell (mark@codesourcery.com).  
Copyright 1983, 1990, 2014 Regents of the University of California  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Gary Funck (gary@intrepid.com). Derived from DWARF  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Nicola Pero  
Copyright 2012-2013 Adil Baig  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by James E. Wilson <wilson@cygnus.com> and David Mosberger <davidm@hpl.hp.com>  
Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Ron Guilmette (rfg@netcom.com). Additional changes by David V. Henkel-Wallace (gumby@cygnus.com).  
Copyright 2018-2019 Free Software Foundation Inc. Contributed by Thomas Knig <tk@tkoenig.net>  
COPYRIGHT SIGN LI -- (16 000AA 16  
Copyright 2010-2013 Benjamin Thaut  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc  
Copyright (C) 2005-2019 Free Software Foundation Inc. Contributed by Paolo Bonzini and Steven Bosscher.

Copyright (C) 2012-2019 Free Software Foundation Inc. Contributed by Tobias Grosser <tobias@grosser.es>.  
Copyright 2001 Stephen L. Moshier (moshier@na-net.ornl.gov)  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Jeff Law (law@cygnus.com)  
Copyright (C) 2018 Free Software Foundation Inc. Contributed by Daniel Celis Garza <celisdanieljr@gmail.com>  
Copyright (C) 2006-2019 Free Software Foundation Inc. Contributed by Sebastian Pop <sebastian.pop@inria.fr>.  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Canqun Yang <canqun@nudt.edu.cn>  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Kejia Zhao <kejia\_zh@yahoo.com.cn>  
Copyright (C) 1989-2019 Free Software Foundation Inc. Contributed by Michael Tiemann <tiemann@cygnus.com>  
Rewritten by Mike Stump <mrs@cygnus.com> based upon an  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Sebastian Huber <sebastian.huber@embedded-brains.de>  
Copyright (C) 2018-2019 Free Software Foundation Inc. Contributed by Michael Meissner (meissner@linux.ibm.com)  
Copyright 2016 Sociomantic Labs GmbH License  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Peter Bergner (bergner@vnet.ibm.com)

`gdb version 7.9.1`

`<<<<<<<<<xilinx-separator>>>>>>>>>`

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

-----  
Copyright 1985-2015 Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. As a special exception to the GNU General Public License, if you distribute this file as part of a program that contains a configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

Some files: As a special exception to the GNU General Public License, if you distribute this file as part of a program or library that is built using GNU Libtool, you may include this file under the same distribution terms that you use for the rest of that program.

Some files: As a special exception to the GNU General Public License, if you distribute this file as part of a program that contains a configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

Some files: This configure script is free software; the Free Software Foundation gives unlimited permission to copy, distribute and modify it.

Some files: Copyright (c) 1987 Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used





(C) Copyright IBM Corp. 2005 2006  
Copyright (c) 2013 Roy Stogner <roystgnr@ices.utexas.edu>  
(C) Copyright 2009 Anthony Green  
Copyright 1995-2017 Mark Adler  
Copyright 1995-1997 Ulrich Drepper <drepper@gnu.ai.mit.edu>  
copyright 1983 Regents of the University of California. msgstr Bas sur BSD gprof  
Copyright (c) 2009 ARM Ltd All rights reserved.  
Copyright 2009-2010 Mathias Svensson  
Copyright (c) 2001 Christopher G. Demetriou All rights reserved.  
Copyright 1998-2000 Jacques Nomssi Nzali  
Copyright (C) 1998 by Bob Dellaca.  
copyright 1983 Regents of the University of California. msgstr Bazat pe BSD gprof  
Copyright (C) 2004 1999 Per Bothner  
Copyright (c) 2014 2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>  
Copyright 2003 Chris Anderson <christop@charm.net> Please  
copyright 1983 - Reggenti dell'Universit della California.  
Copyright 1992 1993 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.  
Copyright (C) 1994 X Consortium  
Copyright (c)1999 Citrus Project All rights reserved.  
(C) Copyright 2001 2006 International Business Machines Corporation Sony Computer Entertainment Incorporated  
Copyright (C) 1995-2017 Jean-loup Gailly detect  
Copyright 2007-2008 Even Rouault  
copyright 1983 Regents of the University of California. msgstr Surbaze de BSD gprof kopirajto  
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.  
Copyright (c) 2000 2001 Alexey Zelkin <phantom@FreeBSD.org> All rights reserved.  
copyright Jiri Gaisler 1995  
copyright 1983 Regents of the University of California. msgstr Basato su gprof di BSD  
copyright 1983 Regenten der University of California.  
Copyright 1994, 2000 Advanced RISC Machines Ltd  
Copyright 1995-2016 Jean-loup Gailly Mark Adler  
Copyright (C) 2003 Cosmin Truta. Derived from original sources by Bob Dellaca. For conditions of distribution and use see  
copyright 1983 Regents of the University of California. msgstr Diasaskan pada BSD gprof hakcipta  
Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org> All rights reserved.  
Copyright 1983 Regents of the University of California. msgstr A BSD gprof alapjn  
Copyright (c) 2004 2005 Mark Adler. --  
Copyright 2004 Per Bothner <per@bothner.com> Based on config.  
(c) 2001 by Dimitris Vyzovitis  
Copyright 1981-2002, 2014 The Regents of the University of California  
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> All rights reserved.  
Copyright (c) 1997-2002 FreeBSD Project. All rights reserved.  
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>  
Copyright (c) 2015 Moritz Klammler <moritz@klammler.eu>  
Copyright (c) 2010 CodeSourcery Inc. All rights reserved.  
Copyright 1996 L. Peter Deutsch  
copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof  
Copyright 1987-1991, 1993 Carnegie Mellon University  
Copyright (c) 1993 Intel Corporation  
Copyright (C) 1999 2000 2001 2002 Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1997-1999, 2006, 2008-2009, 2011-2012 Analog Devices Inc  
Copyright 2004 Henrik Ravn  
Copyright 1992 MetaWare Inc  
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing  
Copyright 2004, 2009 Xilinx Inc  
Copyright 1984 Third Eye Software Inc  
Copyright 2003 Cosmin Truta

copyright 1983 Regents of the University of California. msgstr Basado en gprof de BSD  
Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson  
copyright 1983 Regents of the University of California. msgstr Berdasarkan BSD gprof  
Copyright (c) 1997 99 Borland Corp. and is based on zlib version  
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>  
copyright 1983 Regents of the University of California. msgstr Da vo phn mm gprof ca BSD  
Copyright (C) 1996 Cygnus Software Technologies Ltd.  
Copyright 2002-2004 Dmitriy Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --  
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly  
Copyright 1993 Sun Microsystems Inc  
Copyright (c) 1991 by AT&T.  
Copyright (c) 1984 2000 S.L. Moshier  
Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>. All rights reserved.  
Copyright (C) 2006 2008 2015 Sharuzzaman Ahmat Raslan This file is distributed under the same license as the binutils  
package. Sharuzzaman Ahmat Raslan <sharuzzaman@gmail.com>  
Copyright 2004 National Semiconductor Corp  
copyright 1983 Regents of the University of California. msgstr Bunaithe ar gprof BSD  
Copyright (C) 1998-2001 by Lucent Technologies All Rights Reserved  
Copyright (c) 1999 2000 Konstantin Chuguev. All rights reserved.  
Copyright 1991 by the Massachusetts Institute of Technology  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler .LP This software is provided  
Copyright 1983, 1987, 1990, 2014 Regents of the University of California  
Copyright (c) 2003 Artem B. Bityuckiy SoftMine Corporation. Rights transferred to Franklin Electronic Publishers.  
Copyright (C) 1994 Advanced RISC Machines Ltd. Modifications to add arch.  
copyright 1983 Regents of the University of California. msgstr Baseado no BSD gprof  
Copyright 1997 John D. Polstra  
Copyright 2002 SuperH Inc. All rights reserved  
copyright 1993 1994 by International Business Machines Corporation.  
Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>  
Copyright (c) 1990 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 1994-1998, 2002 Andrew Cagney <cagney@highland.com.au>  
Copyright 1994-2009 Red Hat Inc  
Copyright (C) 1999 Jeff Solomon  
SMakefile for zlib Modified from the standard UNIX Makefile Copyright Jean-loup Gailly Osmo Ahvenlampi  
<Osmo.Ahvenlampi@hut.fi> Amiga SAS C 6.56 & Smake  
Copyright (c) 2012 Zack Weinberg <zackw@panix.com>  
copyright 1983 Regents of the University of California. msgstr BSD gprof Regents of the University of California  
Copyright 1993-2002 Juergen Weigert (jnweiger@immd4.informatik.uni-erlangen.de) Michael Schroeder  
(mlschroe@immd4.informatik.uni-erlangen.de)  
copyright 1983 Regents of the University of California. msgstr BSD gprof baz alnmtr. BSD gprof Telif Hakk  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright 2004 Scott James Remnant <scott@netsplit.com>.  
Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright (C) 2006 MIPS Technologies Inc. All rights reserved. Contributed by Chao-ying Fu (fu@mips.com).  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (C) 2002-2004 Dmitriy Anisimkov -- -- -- -- This library is free software you can redistribute it and or modify --  
Copyright (c) 1999 Kungliga Tekniska Hgskolan  
Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org> All rights reserved.  
Copyright (c) 1996-2010 Texas Instruments Incorporated http www.ti.com  
copyright 1983 Regents of the University of California. msgstr Gebaseerd op BSD gprof



be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) DJ Delorie

Copyright (C) 1993 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(4) (formerly GPL for fr30)

The GPL is no longer applicable to the fr30 platform. The piece of code (syscalls.c) referencing the GPL has been officially relicensed.

(5) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(6) - Analog Devices, Inc. (bfin-\* targets)

Copyright (C) 2006, 2008, 2009, 2011, 2012 Analog Devices, Inc.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(7) University of Utah and the Computer Systems Laboratory (CSL)

[applies only to hppa\*-\*-pro\* targets]

Copyright (c) 1990,1994 The University of Utah and the Computer Systems Laboratory (CSL). All rights reserved.

Permission to use, copy, modify and distribute this software is hereby granted provided that (1) source code retains these copyright, permission, and disclaimer notices, and (2) redistributions including binaries reproduce the notices in supporting documentation, and (3) all advertising materials mentioning features or use of this software display the following acknowledgement: ``This product includes software developed by the Computer Systems Laboratory at the University of Utah."

THE UNIVERSITY OF UTAH AND CSL ALLOW FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. THE UNIVERSITY OF UTAH AND CSL DISCLAIM ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

CSL requests users of this software to return to [csl-dist@cs.utah.edu](mailto:csl-dist@cs.utah.edu) any improvements that they make and grant CSL redistribution rights.

(8) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.

Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(9) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the

suitability of this software for any purpose.

(10) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

**THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

(11) IBM Corp. spu processor (only spu-\* targets)

(C) Copyright IBM Corp. 2005, 2006

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- \* Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(12) Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(13) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) - National Semiconductor Corporation

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors

and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(15) - CodeSourcery, Inc. (tic6x-\* targets)

Copyright (c) 2010 CodeSourcery, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of CodeSourcery nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CODESOURCERY, INC. ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CODESOURCERY BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) - GPL with exception (sparc-\*leon\*, crx-\*, cr16-\* targets only)

Copyright (C) 1992 Free Software Foundation, Inc.  
Written By David Vinayak Henkel-Wallace, June 1992

This file is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

In addition to the permissions in the GNU General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file with other programs, and to distribute those programs without any restriction coming from the use of this file. (The General Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into another program.)

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.



You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA.

As a special exception, if you link this library with files compiled with GCC to produce an executable, this does not cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License.

(17) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> COPYING.NEWLIB

The newlib subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the newlib subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR

A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) David M. Gay (AT&T 1991, Lucent 1998)

The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

-----  
The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

(4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(5)

(6)

(7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this  
software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS"  
without any express or implied warranty:

permission to use, copy, modify, and distribute this file  
for any purpose is hereby granted without fee, provided that  
the above copyright notice and this notice appears in all  
copies, and that the name of Hewlett-Packard Company not be  
used in advertising or publicity pertaining to distribution  
of the software without specific, written prior permission.  
Hewlett-Packard Company makes no representations about the  
suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is  
freely granted, provided that the above copyright notice, this notice  
and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR  
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED  
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
PURPOSE.

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute,  
and license this software and its documentation for any purpose, provided  
that existing copyright notices are retained in all copies and that this  
notice is included verbatim in any distributions. No written agreement,  
license, or royalty fee is required for any of the authorized uses.  
Modifications to this software may be copyrighted by their authors  
and need not follow the licensing terms described here, provided that  
the new terms are clearly indicated on the first page of each file where  
they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions  
are met:

1. Redistributions of source code must retain the above copyright  
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at [softwaresupport@superh.com](mailto:softwaresupport@superh.com) .

SuperH, Inc.  
405 River Oaks Parkway  
San Jose  
CA 95134  
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska Högskolan  
(Royal Institute of Technology, Stockholm, Sweden).  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984,2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(18) Citrus Project

Copyright (c)1999 Citrus Project,  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386)  
Copyright (C) 1991 DJ Delorie  
All rights reserved.



Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (\*-linux\* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-\*-linux\* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific,

written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only \*-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.  
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000

Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.

Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-\* targets)

(C) Copyright 2001,2006,  
International Business Machines Corporation,  
Sony Computer Entertainment, Incorporated,  
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>  
at Electronni Visti IA, Kiev, Ukraine.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(35) - ARM Ltd (arm and thumb variant targets only)

Copyright (c) 2009 ARM Ltd  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-\* targets)

Copyright (c) 1996-2010 Texas Instruments Incorporated  
<http://www.ti.com/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-\* and crx-\* targets)



Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(40) - Altera Corporation (nios2-\* targets)

Copyright (c) 2003 Altera Corporation  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- o Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> newlib

The newlib subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the newlib subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR

A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) David M. Gay (AT&T 1991, Lucent 1998)

The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

-----  
The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

(4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(5)

(6)

(7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this  
software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS"  
without any express or implied warranty:

permission to use, copy, modify, and distribute this file  
for any purpose is hereby granted without fee, provided that  
the above copyright notice and this notice appears in all  
copies, and that the name of Hewlett-Packard Company not be  
used in advertising or publicity pertaining to distribution  
of the software without specific, written prior permission.  
Hewlett-Packard Company makes no representations about the  
suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is  
freely granted, provided that the above copyright notice, this notice  
and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR  
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED  
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
PURPOSE.

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute,  
and license this software and its documentation for any purpose, provided  
that existing copyright notices are retained in all copies and that this  
notice is included verbatim in any distributions. No written agreement,  
license, or royalty fee is required for any of the authorized uses.  
Modifications to this software may be copyrighted by their authors  
and need not follow the licensing terms described here, provided that  
the new terms are clearly indicated on the first page of each file where  
they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions  
are met:

1. Redistributions of source code must retain the above copyright  
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at [softwaresupport@superh.com](mailto:softwaresupport@superh.com) .

SuperH, Inc.  
405 River Oaks Parkway  
San Jose  
CA 95134  
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska Högskolan  
(Royal Institute of Technology, Stockholm, Sweden).  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984,2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.



(18) Citrus Project

Copyright (c)1999 Citrus Project,  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386)  
Copyright (C) 1991 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (\*-linux\* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-\*-linux\* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific,

written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only \*-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.  
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000

Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.

Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-\* targets)

(C) Copyright 2001,2006,  
International Business Machines Corporation,  
Sony Computer Entertainment, Incorporated,  
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>  
at Electronni Visti IA, Kiev, Ukraine.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(35) - ARM Ltd (arm and thumb variant targets only)

Copyright (c) 2009 ARM Ltd  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.



2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-\* targets)

Copyright (c) 1996-2010 Texas Instruments Incorporated  
<http://www.ti.com/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-\* and crx-\* targets)

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(40) - Altera Corporation (nios2-\* targets)

Copyright (c) 2003 Altera Corporation  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- o Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from

this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2010-2019 Free Software Foundation Inc. Written by Rainer Orth <ro@CeBiTec.Uni-Bielefeld.DE>  
Copyright 2014-2019 Free Software Foundation Inc. Written by Iain Buclaw (ibuclaw@gdcproject.org)  
Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Steve Chamberlain <sac@cygnus.com>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>  
Copyright 2002-2019 Free Software Foundation Inc. Written by Zack Weinberg <zack@codesourcery.com>  
Copyright 1996-1997 Andrey A. Chernov Moscow Russia  
Copyright 1998-1999 Cygnus Solutions  
Copyright 2014 Free Software Foundation Inc. msgstr  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy  
Copyright 1983 Regents of the University of California. msgstr Bazat pe BSD gprof  
Copyright 2010-2019 Free Software Foundation Inc. Written by Viktor Kutuzov <vkutuzov@accessoftek.com>  
Copyright 1998-2019 Free Software Foundation Inc. Written by Jouke Numan <jnuman@hiscom.nl>

Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June  
Copyright 1996-2019 Free Software Foundation Inc. Written by Jeff Law Cygnus Support  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Ian Lance Taylor Cygnus Support  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com)  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter Nilsson based on elf32-fr30  
Copyright 2001 Hans-Peter Nilsson  
Copyright 1998-2010 Gilles Vollant  
Copyright 1993-1994 International Business Machines Corp  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Kuang Hwa Lin. Written by Kuang Hwa Lin  
Copyright 1995-2017 Jean-loup Gailly detect  
Copyright 1995-2010 Jean-loup Gailly Brian Raiter and Gilles Vollant  
Copyright 2017-2019 Free Software Foundation Inc. Written by Stephen Crane <sjc@immunant.com>  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Jiri Smid SuSE Labs  
Copyright 2009 ARM Ltd  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Axis Communications  
Copyright 2011 Daniel Richard G. <skunk@iSKUNK.ORG>  
Copyright 1987 Oliver Laumann  
Copyright 2009-2019 Free Software Foundation Inc. Written by Anthony Green <green@moxielogic.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Timothy Wall (twall@alum.mit.edu)  
Copyright 1999, 2004 Per Bothner  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by David Ung of MIPS Technologies  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Modification by James G. Smith (jsmith@cygnus.co.uk)  
Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Nathan Sidwell <nathan@codesourcery.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Eli Zaretskii  
Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Nigel Stephens (nigel@mips.com) and David Ung (davidu@mips.com) of MIPS Technologies  
Copyright 2016-2019 Free Software Foundation Inc. Written by David Tolnay (dtolnay@gmail.com)  
Copyright 1986 HEWLETT-PACKARD Co  
Copyright 1983 Regents of the University of California. msgstr  
Copyright 1989-2011 Free Software Foundation Inc. .if  
Copyright 2002-2003 year  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support (steve@cygnus.com)  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Cygnus Support and Andrew Cagney  
Copyright 2006-2019 Free Software Foundation Inc. Written by Carlos O'Donnell <carlos@codesourcery.com>  
Copyright 2003 Free Software Foundation Inc. There is NO warranty  
Copyright 1983 Regents of the University of California. msgstr Baseado no BSD gprof  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>  
Copyright 1993-2019 Free Software Foundation Inc. Copying and distribution of  
Copyright 2008-2009, 2011 Free Software Foundation Inc. msgstr Hak cipta  
Copyright 1996-2019 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Support  
Copyright 1991, 1993 DJ Delorie  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Put together by Ian Lance Taylor <ian@cygnus.com>  
Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Timothy Wall <twall@cygnus.com>  
Copyright 2009-2019 Free Software Foundation Inc. Free Software Foundation Inc  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Support  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Modified by David Taylor (dtaylor@armltd.co.uk)  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Synopsys Inc

Copyright 2001, 2005 date to  
Copyright 1983 Regents of the University of California. msgstr Basierend auf BSD gprof  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by David Mosberger-Tang <davidm@hpl.hp.com>  
Copyright 1991, 1995-1996, 2000, 2008, 2010-2011 to  
Copyright 1990-1992 MIPS Computer Systems Inc. MIPS Computer Systems Inc. grants reproduction and  
Copyright 1999-2019 Free Software Foundation Inc. Written by Bob Manson of Cygnus Solutions <manson@cygnus.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Michael Snyder at Cygnus Solutions. Based on work by Fred  
Fish Stu Grossman Geoff Noer and others  
Copyright 2009-2010 Change to  
Copyright 2001-2016 Free Software Foundation Inc. Written by Bruno Haible <haible@clisp.cons.org>  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy (MR.Swami.Reddy@nsc.com)  
Copyright 2007-2019 Free Software Foundation Inc. Written by M R Swami Reddy  
Copyright 1990-2000 Info-ZIP  
Copyright 1995-2017 Jean-loup Gailly  
Copyright 2014-2019 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com Extended for the  
MSP430 by Nick Clifton nickc@redhat.com  
Copyright 2014  
Copyright 1990-2019 Free Software Foundation Inc. Contributed by Cygnus Support  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Tristan Gingold <gingold@adacore.com> AdaCore  
Copyright 2002-2004 Dmitriy Anisimkov - - - - -  
Copyright 1993-2019 Free Software Foundation Inc. Written by Stu Grossman of Cygnus Support  
Copyright 2009-2019 Free Software Foundation Inc. Written by Tristan Gingold AdaCore  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Originally  
written for GAS  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu  
Copyright 2010 header to add year  
Copyright 1991-2019 Free Software Foundation Inc. By Steve Chamberlain <sac@cygnus.com>  
Copyright 1983 Regents of the University of California. msgstr Surbaze de BSD gprof kopirajto  
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Extended by Kai Tietz  
Onevision  
Copyright 1993 Intel Corp  
Copyright 1994-1998, 2003-2004 Andrew Cagney  
Copyright 1984, 2000 S.L. Moshier  
Copyright 2001 Dimitris Vyzovitis  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices Inc  
Copyright 1983 Regents of the University of California. msgstr Bas sur BSD gprof  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by RedHat  
Copyright 1998-2010 Gilles Vollant -  
Copyright 2013-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google and David Edelsohn IBM  
Copyright 1999-2019 Free Software Foundation Inc. Written by Linus Nordberg Swox AB <info@swox.com> based on  
elf32-ppc  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the  
PPC opcode handling written by Ian Lance Taylor  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com). 5a  
Copyright 2001-2016 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Sam Steingold Peter Burwood  
Copyright 1990-2018 Free Software Foundation  
Copyright 2000-2014 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org  
Modified by Julius Baxter juliusbaxter@gmail.com  
Copyright 2004-2019 Free Software Foundation Inc. Written by Tomer Levi NSC Israel  
Copyright 2009-2019 Free Software Foundation Inc. Written by Mikolaj Zalewski <mikolajz@google.com>  
Copyright 1993-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Renesas  
Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Sean Keys (skeys@ipdatasys.com)  
Copyright 2011 Free Software Foundation Inc. License GPLv3

Copyright 2011 Adapteva Inc  
Copyright 2002 Free Software Foundation Inc. GDB is free software  
Copyright 2001-2019 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com). Infrastructure and other bits originally copied from srec  
Copyright 2003 Artem B. Bityuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson (hp@bitrange.com)  
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright 2004-2019 Free Software Foundation Inc. -- --  
Copyright 1996-2019 Free Software Foundation Inc. Ian Lance Taylor Cygnus Support Linker support added by Mark Mitchell CodeSourcery LLC  
Copyright 1998-2001 Lucent Technologies  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Klaus K  
Copyright 2003, 2005 Free Software Foundation Inc. Deniz Akkus Kanca <deniz@arayan.com>  
Copyright 2006-2019 Free Software Foundation Inc. Written by Kai Tietz OneVision Software GmbH&CoKg  
Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <espindola@google.com> and Cary Coutant <ccoutant@google.com>  
Copyright 2004 Per Bothner <per@bothner.com> Based on config  
Copyright 1996 treaty adopted on  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu> Based on elf32-nios2  
Copyright 1990-2019 Free Software Foundation Inc. Original  
Copyright 1996-2019 Free Software Foundation Inc. Written by J.T. Conklin Cygnus Support  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com> Cygnus Support  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler .LP  
Copyright 1983 Regents of the University of California. msgstr Bunaithe ar gprof BSD  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by M Ranga Swami Reddy <MR.Swami.Reddy@nsc.com>  
Copyright 2014-2019 Free Software Foundation Inc. Written by Jing Yu (jingyu@google.com)  
Copyright 1995-2017 Mark Adler  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Andrew Waterman  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by CodeSourcery LLC  
Copyright 1995-1997 Ulrich Drepper <drepper@gnu.ai.mit.edu>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Bob Manson of Cygnus Support <manson@cygnus.com>  
Copyright 2006-2019 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems  
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> based on the  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Andreas Kriebel  
Copyright 1995-2016 Free Software Foundation Inc. dnl  
Copyright 1999 Kunliga Tekniska Hgskolan  
Copyright 2009-2010 Mathias Svensson  
Copyright 2017-2019 Free Software Foundation Inc. Contributed by Francois H. Theron <francois.theron@netronome.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@worldnet.fr)  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by MontaVista Software Inc  
Copyright 2004 Per Bothner <per@bothner.com>  
Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1990-2019 Free Software Foundation Inc. Hacked by John Gilmore and Steve Chamberlain of Cygnus Support  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ken Raeburn and Ian Lance Taylor Cygnus Support  
Copyright 2001, 2010, 2018 Free Software Foundation Inc. Daisuke Yamashita <yamad@mb.infoweb.ne.jp>  
Copyright 2005 date reported by --  
Copyright 2014-2019 Free Software Foundation Inc. Written by Han Shen <shenhan@google.com> and Jing Yu <jingyu@google.com>  
Copyright 1996-2010 Texas Instruments Inc  
Copyright 1998-2000 Jacques Nomssi Nzali  
Copyright 2002-2019 Free Software Foundation Inc. Originally  
Copyright 2004 Scott James Remnant <scott@netsplit.com>. dnl  
Copyright 1991-2016 Free Software  
Copyright 2014-2019 Free Software Foundation Inc. Written by Jing Yu <jingyu@google.com> and Han Shen

<shenhan@google.com>

Copyright 2001 Christopher G. Demetriou

Copyright 1990-2019 Free Software Foundation Inc. Written by Mimi Phuong-Thao Vo of IBM and John Gilmore of Cygnus Support

Copyright 2010-2019 Free Software Foundation Inc. Contributed by Andrew Jenner <andrew@codesourcery.com>

Contributed by Yao Qi <yao@codesourcery.com>

Copyright 2005-2019 Free Software Foundation Inc. Contributed by FTDI

Copyright 2009-2019 Free Software Foundation Inc. Written by Chris Demetriou <cgd@google.com>

Copyright 1996-2019 Free Software Foundation Inc. Contributed by Cygnus Solutions and Mike Frysinger

Copyright 2002-2019 Free Software Foundation Inc. Contributed by matthew green (mrg@redhat.com)

Copyright 1999-2019 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com>

Copyright 1983 Regents of the University of California. msgstr Da vo phn mm gprof ca BSD

Copyright 2002 SuperH Inc

Copyright 2009-2019 Free Software Foundation Inc. Written by Marcin Kocielnicki <koriakin@0x04.net>

Copyright 2003 Chris Anderson <christop@charm.net> Please

Copyright 2012-2019 Free Software Foundation Inc. Contributed by Peter Brookes (pbrookes@altera.com) and Andrew Draper (adraper@altera.com)

Copyright 1995-1999 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>

Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Copyright 2008-2019 Free Software Foundation Inc. Contributed by FTDI <support@ftdichip.com>

Copyright 2005-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@airs.com>

Copyright 1996-2019 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) Cygnus Support

Copyright 2008-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@gmail.com>

Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Solutions

Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by John Gilmore

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>

Copyright 2009-2019 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>. Modified by Rahul Chaudhry <rahulchaudhry@google.com>

Copyright 2008-2019 Free Software Foundation Inc. Written by Anthony Green

Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant

Copyright 1991 AT&T

Copyright 2005-2016 Free Software Foundation Inc. Written by Simon Josefsson

Copyright 1993-2019 Free Software Foundation Inc. Contributed by Ralph Campbell and OSF Commented and modified by Ian Lance Taylor Cygnus Support

Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC opcode table written by Ian Lance Taylor

Copyright 2003-2019 Free Software Foundation Inc. Contributed by Bob Wilson at Tensilica Inc. (bwilson@tensilica.com)

Copyright 1999-2019 Free Software Foundation Inc. Contributed by Steve Chamberlan of Transmeta (sac@pobox.com)

Copyright 2007-2008 Even Rouault

Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>

Copyright 2010-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Google

Copyright 2005-2019 Free Software Foundation Inc. Written by Analog Devices Inc

Copyright 2000-2019 Free Software Foundation Inc. Written Clinton Popetz. Contributed by Cygnus Support

Copyright 1983 Regents of the University of California. msgstr Based on BSD gprof

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Written by Hans-Peter Nilsson

Copyright 2004-2005, 2007-2009 Free Software Foundation Inc. Written by Gary V. Vaughan

Copyright 1999 Jeff Solomon

Copyright 2000-2019 Free Software Foundation Inc. Contributed Martin Schwidefsky (schwidefsky@de.ibm.com)

Copyright 1990-2019 Free Software Foundation Inc. Written by DJ Delorie

Copyright 2003-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez (aldyh@redhat.com)

Copyright 1983 Regents of the University of California. msgstr Perustuu BSD

Copyright 1998-2019 Free Software Foundation Inc. Contributed by Red Hat

Copyright 1996-2019 Free Software Foundation Inc. By Doug Evans Cygnus Support <dje@cygnus.com>

Copyright 1989-2019 Free Software Foundation Inc. Contributed by Carnegie Mellon University

Copyright 2011, 2014 Free Software Foundation Inc. msgid

Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mumit Khan (khan@xraylith.wisc.edu)  
Copyright 2001-2019 Free Software Foundation Inc. Contributed for OR32 by Johan Rydberg jrydberg@opencores.org  
Copyright 1994 Advanced RISC Machines Ltd. Modifications to add arch  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@cygnus.com>  
Copyright 2011-2019 Free Software Foundation Inc. Written by Senthil Kumar Selvaraj Atmel  
Copyright 2011 comment line regression by  
Copyright 2010-2019 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com> AdaCore  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd. Written by Andrew Bennett <andrew.bennett@imgtec.com>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Bryan Ford of the University of Utah  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Red Hat. Written by DJ Delorie  
Copyright 1994, 2000 Advanced RISC Machines Ltd  
Copyright 1999-2019 Free Software Foundation Inc. Hacked by Steve Chamberlain of Transmeta. sac@pobox.com  
Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl  
Copyright 2003 Free Software Foundation Inc. Acest fi  
Copyright 1995-2016 Jean-loup Gailly Mark Adler  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Jiri Gaisler European Space Agency  
Copyright 2008-2019 Free Software Foundation Inc. Written by DJ Delorie <dj@redhat.com>  
Copyright 2006-2016 Free Software Foundation Inc. Written by Paul Eggert Bruno Haible Derek Price  
Copyright 2008 Steven G. Johnson <stevenj@alum.mit.edu>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd  
Copyright 1997-2019 Free Software Foundation Inc. Written by Kai Tietz Onevision  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Alexandre Oliva <aoliva@redhat.com>  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Hui Zhu <hui@codesourcery.com>  
copyright 1998-2019 Free Software Foundation Inc. qquad Permissions on back  
Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Support. Mostly Gumby Henkel-Wallace's fault  
Copyright 2017-2019 Free Software Foundation Inc. Written by Benjamin Peterson <bp@benjamin.pe>  
Copyright 2010-2019 Free Software Foundation Inc. Viktor Kutuzov <vkutuzov@accesssoftek.com>  
Copyright 2010-2019 Free Software Foundation Inc. Written by Igor Kudrin <ikudrin@accesssoftek.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Timothy Wall (twall@cygnus.com)  
Copyright 2019 Free Software Foundation Inc. gdbserver is free software covered by the GNU General Public License  
Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Support. Probably John Gilmore's fault  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by the OSF and Ralph Campbell. Written by Keith Knowles and Ralph Campbell working independently  
Copyright 2009-2019 Free Software Foundation Inc. Doug Kwan <dougkwan@google.com>  
Copyright 1987-2019 Free Software Foundation Inc. Contributed by David D. Johnson Brown University (ddj@cs.brown.edu)  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)  
Copyright 2009-2019 Free Software Foundation Inc. Written by Craig Silverstein <csilvers@google.com>  
Copyright 2008 Guido U. Draheim <guidod@gmx.de>  
Copyright 2013-2019 Free Software Foundation Inc. Written by FTDI (support@ftdichip.com)  
Copyright 1983 Regents of the University of California. msgstr A BSD gprof alapjn  
Copyright 1999-2019 Free Software Foundation Inc. Written by Bob Manson Cygnus Solutions <manson@cygnus.com>  
Copyright 2009-2019 Free Software Foundation Inc. Written by Rafael Avila de Espindola <rafael.espindola@gmail.com>  
Copyright 1996-2019 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) from pieces of gdbserver  
Copyright 1997-2019 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Solutions  
Copyright 2015 Moritz Klammler <moritz@klammler.eu>  
Copyright 1983 Regents of the University of California. msgstr BSD gprof  
Copyright 2004-2005 Mark Adler. --  
Copyright 1981-2002, 2014 The Regents of the University of California  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain sac@cygnus.com  
Copyright 1996-2019 Free Software Foundation Inc. Written by Fred Fish at Cygnus support (fnf@cygnus.com)  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Red Hat. Based on sim bfin bfin-sim  
Copyright 1999-2019 Free Software Foundation Inc. Written by Stephane Carrez (stcarrez@nerim.fr) XGATE and S12X added by James Murray (jsm@jsm-net.demon.co.uk)  
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>



Copyright 1983 Regents of the University of California. msgstr BSD gprof Regents of the University of California  
Copyright 1991-2019 Free Software Foundation Inc. Written by Fred Fish  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> ELF support by Ian  
Lance Taylor <ian@cygnus.com>  
Copyright 1996-2019 Free Software Foundation Inc. Written by Martin Hunt Cygnus Support  
Copyright 1999-2016 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Axis Communications AB. Written by Hans-Peter  
Nilsson  
Copyright 2010-2019 Free Software Foundation Inc. Written by Nick Clifton <nickc@redhat.com>  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>. Tags style generation  
written by Salvador E. Tropea <set@computer.org>  
Copyright 1993-2019 Free Software Foundation Inc. Contributed by Cygnus Support. Written by Ian Lance Taylor  
<ian@cygnus.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Denis Chertykov <denisc@overta.ru>  
Copyright 2017-2019 Free Software Foundation Inc. Written by Teresa Johnson <tejohnson@google.com>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support <sac@cygnus.com>  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1986-2019 Free Software Foundation Inc. Derived from coffread  
Copyright 1993, 2000, 2002-2004, 2006, 2010, 2013-2015 year to  
Copyright 2001-2019 Free Software Foundation Inc. Written by Jakub Jelinek <jakub@redhat.com>  
Copyright 2016-2019 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com>  
Copyright 1996-2019 Free Software Foundation Inc. Written by Michael Meissner Cygnus Support <meissner@cygnus.com>  
Copyright 2006-2019 Free Software Foundation Inc. Written by Andrew Chatham  
Copyright 1996-1999 Internet Software Consortium  
Copyright 1990-2019 Free Software Foundation Inc. Contributed by steve chamberlain  
Copyright 1993-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support <ian@cygnus.com>  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain <sac@cygnus.com>  
Copyright 1983 Regents of the University of California. msgstr  
Copyright 2006, 2008, 2015, 2018 Sharuzzaman Ahmat Raslan  
Copyright 2010-2019 Free Software Foundation Inc. Written by Matthew Gretton-Dann <matthew.gretton-dann@arm.com>  
Based upon arm  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Hui Zhu <hui\_zhu@mentor.com> Contributed by Yao  
Qi <yao@codesourcery.com>  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Nigel Gray (ngray@altera.com). Contributed by Mentor  
Graphics Inc  
Copyright 2000-2003 Software Foundation Inc  
Copyright 1996 L. Peter Deutsch  
Copyright 1983 Regents of the University of California. msgstr Baserat p BSD gprof  
Copyright 2008 Free Software Foundation Inc. msgstr Tc quyn  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by MIPS Technologies Inc. Written by Chao-ying Fu  
(fu@mips.com)  
Copyright 2002-2019 Free Software Foundation Inc. Contributed for OR32 by Ivan Guzvinec <ivang@opencores.org>  
Copyright 2005-2006 IBM Corp  
Copyright 1997-2002 FreeBSD Project  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Doug Evans (dje@cygnus.com)  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Jon Beniston <jon@beniston.com>  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Pauline Middelink <middelink@polyware.iaf.nl>  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Kaveh Ghazi (ghazi@caip.rutgers.edu)  
Copyright 2011 Free Software Foundation Inc. msgstr Tc quyn nm  
Copyright 1995-1996 Jean-loup Gailly Brian Raiter and Gilles Vollant. File written by Gilles Vollant by converting  
match686.S from Brian Raiter for MASM  
Copyright 1987-1991, 1993 Carnegie Mellon University  
Copyright 1987-2019 Free Software Foundation Inc. Contributed by Lynx Real-Time Systems Inc. Los Gatos CA  
Copyright 2000, 2002-2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License  
and  
Copyright 1999-2019 Free Software Foundation Inc. Written by Nick Duffek <nsd@redhat.com>

Copyright 1988-2019 Free Software Foundation Inc. Contributed by C-SKY Microsystems and Mentor Graphics  
Copyright 2008-2019 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net> and David Edelsohn <edelsohn@gnu.org>  
Copyright 1988-2011 Free Software Foundation Inc. Authored by Brian Fox and Chet Ramey  
Copyright 1997-2019 Free Software Foundation Inc. Written by Robert Hoehne  
Copyright 1992-1994 Henry Spencer  
Copyright 1996 Cygnus Software Technologies Ltd  
Copyright 1997-1999, 2006, 2008-2009, 2011-2012 Analog Devices Inc  
Copyright 2004 Henrik Ravn  
Copyright 1992 MetaWare Inc  
Copyright 1998 M. Warner Losh <imp@freebsd.org>  
Copyright 2004, 2009 Xilinx Inc  
Copyright 1999-2019 Free Software Foundation Inc. Written by Timothy Wall (twall@cygnus.com)  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> Linux support by Eric Youngdale <ericy@cais.cais.com>  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Mike Frysinger  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain steve@cygnus.com  
Copyright 2006-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>  
Copyright 2009 Anthony Green  
Copyright 1983 Regents of the University of California. msgstr Gebaseerd op BSD gprof  
Copyright 1984 Third Eye Software Inc  
Copyright 1983 Regents de l'Universit de Californie  
Copyright 2001-2019 Free Software Foundation Inc. Written by Tom Rix Redhat  
Copyright 2008-2019 Synopsys Inc.  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices  
Copyright 2014-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <iant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Chao-ying Fu MIPS Technologies Inc  
Copyright 2003 Cosmin Truta  
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Manuel Lopez-Ibanez  
Copyright 1993-2019 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support  
Copyright 1991-2016 Free  
Copyright 2019 Free Software Foundation Inc. msgstr  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Anthony Green  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Ed Satterthwaite and Chris Demetriou of Broadcom Corp  
Copyright 1983 Regents of the University of California. msgstr ku Uburenganzira bw'umuhimbyi Bya  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>  
Copyright 1995-2019 Free Software Foundation Inc. Contributed by Cygnus Solutions  
Copyright 1997, 2008 Joel Sherrill <joel@OARcorp.com>  
Copyright 2008 Ed Schouten <ed@FreeBSD.org>  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor of Cygnus Support <ian@cygnus.com>  
Copyright 2010-2017 Free Software Foundation Inc. Written by Peter Rosin <peda@lysator.liu.se>  
Copyright 1990-2019 Free Software Foundation Inc. Written by Steve Chamberlain of Cygnus Support  
Copyright 1996 L. Peter Deutsch and Jean-Loup Gailly  
Copyright 2000-2014 Free Software Foundation Inc. Contributed by Peter Gavin pgavin@gmail.com  
Copyright 1983 Regents of the University of California. msgstr Diasaskan pada BSD gprof hakcipta  
Copyright 1994-2019 Free Software Foundation Inc. Written by Ken Raeburn (raeburn@cygnus.com)  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@cygnus.com> patterned after the PPC opcode handling written by Ian Lance Taylor  
Copyright 2016 Krzesimir Nowak <qdlacz@gmail.com>  
Copyright 1994-2019 Free Software Foundation Inc. Contributed by Cupertino Miranda (cmiranda@synopsys.com)

Copyright 1983 Regenten der University of California  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support. Rewritten by Kai Tietz Onevision  
Copyright 2002-2004 Dmitriy Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --  
Copyright 2008-2010, 2012 Free Software Foundation Contributed by Janis Johnson <janis187@us.ibm.com>  
Copyright 2008-2019 Free Software Foundation Inc. Written by Evgenii Stepanov <eugenis@google.com>  
Copyright 2011-2019 Free Software Foundation Inc. Copied from the gcc configury where the test was contributed by H.J. Lu <hongjiu.lu@intel.com>  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by ARM Ltd  
Copyright 1994-2019 Free Software Foundation Inc. Written by Ken Raeburn <raeburn@cygnus.com>  
Copyright 1993 Sun Microsystems Inc  
Copyright 1999-2019 Free Software Foundation Inc. Written by Elena Zannoni <ezannoni@cygnus.com> of Cygnus Solutions  
Copyright 2008-2019 Free Software Foundation Inc. Written by FTDI  
Copyright 1990-2019 Free Software Foundation Inc. Almost totally rewritten by Ian Dall from initial work by Andrew Cagney  
Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@dinux.eu> Based on tc-nios2  
Copyright 1990-2019 Free Software Foundation Inc. Hacked by Steve Chamberlain of Cygnus Support  
Copyright 2014-2019 Free Software Foundation Inc. Written by Yury Gribov <y.gribov@samsung.com>  
Copyright 1997 Borland Corp. and is based on zlib  
Copyright 1993-2019 Free Software Foundation Inc. Modified from coff-mips  
Copyright 1997-2019 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions  
Copyright 2003 Cosmin Truta. Derived from original sources by Bob Dellaca  
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Martin Hunt (hunt@cygnus.com)  
Copyright 2008-2019 Free Software Foundation Inc. Written by David S. Miller <davem@davemloft.net>  
Copyright 2012 Zack Weinberg <zackw@panix.com>  
Copyright 1983 Regents of the University of California. msgstr Berdasarkan BSD gprof  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Dmitry Diky <diwil@mail.ru>  
Copyright 1984-2019 Free Software Foundation Inc  
Copyright 2005-2019 Free Software Foundation Inc. Contributed by Analog Devices Inc. and Stephane Carrez  
Copyright Jean-loup Gailly Osmo A. Hvenlampi <Osmo.Ahvenlampi@hut.fi>  
Copyright 2002, 2005, 2007-2008, 2010-2011, 2014, 2017-2019 Free Software Foundation Inc. msgstr  
Copyright 2001 Mike Barcroft <mike@FreeBSD.org>  
Copyright 2001-2019 Free Software Foundation Inc. Written by Tom Rix Contributed by Red Hat Inc  
Copyright 2003-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@wasabisystems.com>  
Copyright 2004 National Semiconductor Corp  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Andrew Cagney and Cygnus Solutions  
Copyright 2011-2019 Free Software Foundation Inc. Contributed by Yao Qi <yao@codesourcery.com>  
Copyright 1995-2017 Jean-Loup Gailly Mark Adler. OS  
Copyright 1999, 2002-2003 years to include  
Copyright 2007-2019 Free Software Foundation Inc. Contributed by M R Swami Reddy <MR.Swami.Reddy@nsc.com>  
Copyright 1997 Christian Michelsen Research AS Advanced Computing  
Copyright 2003 Free Software Foundation Inc. Eugen Hoanca <eugenh@urban-grafx.ro>  
Copyright 1999-2000 Konstantin Chuguev  
Copyright 1997-2019 Free Software Foundation Inc. Derived from sim-main  
Copyright 2013 Linaro Ltd  
Copyright 2013-2019 Free Software Foundation Inc. Contributed by Mentor Graphics  
Copyright 2004-2019 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Originally written for GAS  
Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com)  
Copyright 1996-2019 Free Software Foundation Inc. Written by Klaus K  
Copyright 2016-2019 Free Software Foundation Inc. Written by Than McIntosh <thanm@google.com>  
Copyright 2002-2019 Free Software Foundation Inc. Based on code contributed by Wasabi Systems Inc  
Copyright 2010 CodeSourcery Inc

Copyright 2000-2019 Free Software Foundation Inc. Written by Michael Sokolov <msokolov@ivan.Harhan.ORG> based on armelf.em

Copyright 2013-2019 Free Software Foundation Inc. Written by Alexander Ivchenko <alexander.ivchenko@intel.com>

Copyright 2013-2019 Free Software Foundation Inc. Contributed by FTDI (support@ftdichip.com)

Copyright 2013-2019 Free Software Foundation Inc. Contributed by Andrew Bennett (andrew.bennett@imgtec.com)

Copyright 1997 Borland Corp

Copyright 1989-2019 Free Software Foundation Inc. Contributed by Nobuyuki Hikichi(hikichi@sra.co.jp)

Copyright 2010-2019 Free Software Foundation Inc. Contributed by Sean Keys <skeys@ipdatasys.com>

Copyright 2005-2019 Free Software Foundation Inc. Contributed by Arnold Metselaar <arnold\_m@operamail.com>

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Carl B. Pedersen and Martin Schwidefsky

Copyright 2004-2019 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Written by Tomer Levi

Copyright 1995-2019 Free Software Foundation Inc. Written by Ian Lance Taylor <ian@cygnus.com>

Copyright 1989-2019 Free Software Foundation Inc. Written by James Clark (jic@jclark.uucp) Rewritten by Fred Fish (fnf@cygnus.com) for ARM and Lucid demangling

Copyright 2014-2019 Free Software Foundation Inc. Contributed by Dimitar Dimitrov <dimitar@linux.eu>

Copyright 1983 Regents of the University of California. msgstr BSD gprof baz alnmtr Telif Hakk

Copyright 2000-2019 Free Software Foundation Inc. Written by Martin Schwidefsky (schwidefsky@de.ibm.com)

Copyright 2015 Paul Norman <penorman@mac.com>

Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>

Copyright 1983, 1987, 1990, 2014 Regents of the University of California

Copyright 2006-2019 Free Software Foundation Inc. Contributed by Brain.lin (brain.lin@sunplusct.com)

Copyright 1993-2019 Free Software Foundation Inc. Written by Cygnus Support Modified by J.Gaisler ESA ESTEC

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com)

Copyright 2009-2019 Free Software Foundation Inc. Contributed by Anthony Green <green@moxielogic.com>

Copyright 2000-2016 Free Software Foundation dnl Inc. dnl

Copyright 2012-2019 Free Software Foundation Inc. Written by Jiong Wang (jiwang@tilera.com)

Copyright 1999 Citrus Project

Copyright 2009-2019 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com)

copyright 1991-2019 Free Software Foundation Inc. Author Roland H. Pesch

Copyright 2010-2019 Free Software Foundation Inc. Contributed by Joseph Myers <joseph@codesourcery.com> Bernd Schmidt <bernds@codesourcery.com>

Copyright 2011-2019 Free Software Foundation Inc. Written by Sasa Stankovic <sasa.stankovic@imgtec.com> and Aleksandar Simeonov <aleksandar.simeonov@rt-rk.com>

Copyright 1989-2011 the Free Software Foundation Inc. .SH DESCRIPTION Many programs read input from the user

Copyright 1995-2003 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>

Copyright 1993-2019 Free Software Foundation Inc. The structure of

Copyright 1995 Jiri Gaisler

Copyright 1998-2019 Free Software Foundation Inc. Written by Anders Norlander <anorland@hem2.passagen.se>. Rewritten by Kai Tietz Onevision

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Red Hat Inc

Copyright 1993-2019 Free Software Foundation Inc. Written by Stu Grossman Cygnus Support. Converted to back-end form by Ian Lance Taylor Cygnus Support

Copyright 1988-2019 Free Software Foundation Inc. Written by Paul Kranenburg EUR

Copyright 1998-2010 Gilles Vollant Even Rouault Mathias Svensson

Copyright 2010-2019 Free Software Foundation Inc. Written by Rafael vila de Espndola <rafael.espindola@gmail.com>

Copyright 1990-2019 Free Software Foundation Inc. Written by Cygnus Support

Copyright 1997 John D. Polstra

Copyright 2003 Altera Corp

Copyright 2007-2019 Free Software Foundation Inc. Copied from the gcc testsuite where the test was contributed by Mark Mitchell <mark@codesourcery.com>

Copyright 1992-2019 Free Software Foundation Inc. Contributed by Cygnus Support using pieces from other GDB modules

Copyright 1995-2019 Free Software Foundation Inc. dnl dnl

Copyright 2014 Free Software Foundation Inc. msgstr

Copyright 2008-2019 Free Software Foundation Inc. Written by Caleb Howe <cshowe@google.com>

Copyright 1983 Regents of the University of California. msgstr BSD gprof

Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit

Copyright 2000-2019 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com)  
Copyright 1983 Regents of the University of California. msgstr Basato su gprof di BSD  
Copyright 1999-2019 Free Software Foundation Inc. Written by Sean Keys (skeys@ipdatasys.com)  
Copyright 1998-2019 Free Software Foundation Inc. Written by DJ Delorie <dj@cygnus.com>  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Michal Ludvig <mludvig@suse.cz>  
Copyright 2010-2019 Free Software Foundation Inc. Written by Tocar Ilya <ilya.tocar@intel.com>  
Copyright 2007-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>  
Copyright 2015-2019 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>. Modified by H.J. Lu <hongjiu.lu@intel.com>  
Copyright 1998 Andreas R. Kleinert  
Copyright 2001-2019 Free Software Foundation Inc. Contributed by Hans-Peter Nilsson <hp@bitrange.com>  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Mentor Graphics Inc  
Copyright 1983 Regents of the University of California. msgstr Basado en gprof de BSD  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Wasabi Systems Inc  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Andes Technology Corp  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc  
Copyright 2009-2019 Free Software Foundation Inc. Written by Sriraman Tallam <tmsriram@google.com>  
Copyright 1988-2019 Free Software Foundation Inc. Written by Minh Tran-Le <TRANLE@INTELLICORP.COM>. Converted to back end form by Ian Lance Taylor <ian@cygnus.com>  
Copyright 1994-1998, 2002 Andrew Cagney <cagney@highland.com.au>  
Copyright 1994-2009 Red Hat Inc  
Copyright 2003-2019 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica  
Copyright 2009-2019 Free Software Foundation Inc. Written by Doug Kwan <dougkwan@google.com> by refactoring scattered contents from other files in gold. Original code written by Ian  
Copyright 2014 Free Software Foundation Inc. msgstr  
Copyright 1995-2019 Free Software Foundation Inc. Written by Ken Raeburn  
Copyright 2005, 2017 Free Software Foundation Inc. msgstr Telif Hakk  
Copyright 1998-2019 Free Software Foundation Inc. Written by DJ Delorie dj@cygnus.com  
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>  
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine  
Copyright 2001-2016 Free Software Foundation Inc. Christian Rose <menthos@menthos.com>  
Copyright 2012-2019 Free Software Foundation Inc. Written by Red Hat Inc  
Copyright 1993-2002 Juergen Weigert (jnweiger@immd4.informatik.uni-erlangen.de) Michael Schroeder (mlschroe@immd4.informatik.uni-erlangen.de)  
Copyright 2003-2019 Free Software Foundation Inc. Written by Kaveh R. Ghazi <ghazi@caip.rutgers.edu>  
Copyright 1983 Regents of the University of California. msgstr Baseret  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu>  
Copyright 2001, 2004 to include  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright 1983 Reggenti dell'Universit della California  
Copyright 2010 Doug Evans  
Copyright 1995-1999 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>  
Copyright 2002-2019 Free Software Foundation Inc. Contributed by Chris Demetriou of Broadcom Corp  
Copyright 1998 Bob Dellaca  
Copyright 1988-2019 Free Software Foundation Inc. Written by John Gilmore of Cygnus Support  
Copyright 1997-2019 Free Software Foundation Inc. Contributed by Ulrich Lauther <Ulrich.Lauther@mchp.siemens.de>  
Copyright 2002-2019 Free Software Foundation Inc. Written by Tom Rix Red Hat Inc  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright 1998-2019 Free Software Foundation Inc. Contributed by Steven Haworth (steve@pm.cse.rmit.edu.au)  
Copyright 1990-2019 Free Software Foundation Inc. Contributed by Ian Dall (idall@eleceng.adelaide.edu.au)  
Copyright 2009-2019 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>  
Copyright 2005-2018 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlshaw  
Copyright 1988-2019 Free Software Foundation Inc. Written by Pace Willisson  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by Steve Chamberlain of Transmeta (sac@pobox.com)  
Copyright 2019 Free Software Foundation Inc. gdbreplay is free software covered by the GNU General Public License  
Copyright 1991-2019 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com> AIX support by Ian



Copyright (c) 2010, 2011 Ávar Arnfríð Bjarmason

Copyright (c) 2005, Martin Langhoff.

Copyright (c) 2005, Matthias Urlichs.

Copyright The Open University UK - 2006.

Copyright (c) 2009, 2010 David Aguilar

Copyright (c) 2012 Tim Henigan

Copyright (c) Petr Baudis, 2006

Copyright (c) 2006-2009 Eric Wong

Copyright (c) 2005-2010 Junio C Hamano

Copyright (c) 2006 Theodore Y. Ts'o

Copyright: 2007 Simon Hausmann

Copyright (C) 2012, 2013, 2014 Alexander Shopov

Trolltech ASA License: MIT

<<http://www.opensource.org/licenses/mit-license.php>>

Copyright 2005-2006 Ryan Anderson

Copyright (c) 2012 Felipe Contreras

Copyright 2002,2005 Greg Kroah-Hartman

Copyright (c) 2007, Nanako Shiraishi

Copyright (c) 2007 Lars Hjemli

Copyright (c) 2007-2011 Christian Couder

Copyright (c) 2006 Theodore Y. Ts'o

#### AUTHORS:

John Szakmeister <[john@szakmeister.net](mailto:john@szakmeister.net)> Philipp A. Hartmann <[pah@qo.cx](mailto:pah@qo.cx)>, Michael R. Elkins <[me@mutt.org](mailto:me@mutt.org)> Oswald Buddenhagen <[ossi@users.sf.net](mailto:ossi@users.sf.net)> Theodore Y. Ts'o <[tytso@mit.edu](mailto:tytso@mit.edu)> Mike McCormack, Michael R. Elkins <[me@mutt.org](mailto:me@mutt.org)> Oswald Buddenhagen <[ossi@users.sf.net](mailto:ossi@users.sf.net)> Theodore Y. Ts'o <[tytso@mit.edu](mailto:tytso@mit.edu)> Mike McCormack Christian Couder

#### DATES:

2000-2002, 2002-2004, 2004, 2006, 2011, 2012

Copyright (C) 2012 Heiko Voigt

Copyright (C) 2009 Ilari Liusvaara

Copyright (c) 2006 Franck Bui-Huu

Copyright (c) 2006 Rene Scharfe

Copyright (c) 2006 Kristian HÃ¸gsberg

Copyright (c) 2007 Shawn Bohrer

Copyright (c) 2007 Kristian HÃ¸gsberg

Copyright (c) 2007 James Bowes

Copyright (c) 2007 Thomas Harning

Copyright (c) 2008 Miklos Vajna

Copyright (c) 2010 Johan Herland

Copyright (c) Eric Biederman, 2005

Copyright (c) 2007 Carlos Rica

Copyright (c) 1996-2001 by Internet Software Consortium. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright 2008 Peter Harris

Copyright (C) 2005-2006 Niall Douglas Boost Software License - Version 1.0 - August 17th, 2003 Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following: The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2009 Andrzej K. Haczewski

Copyright (c) 2008, Nanako Shiraiishi



Copyright (c) 2009 Marius Storm-Olsen

Copyright (c) 2010 Eric S. Raymond

Copyright (c) 2006 Fernando J. Pereda

Copyright (c) 2008 Natanael Copa

Copyright (c) 2012 Marc Khouzam

Copyright (c) 2012-2013 Felipe

Copyright (c) 2006,2007 Shawn O. Pearce

Copyright (c) 2005-2006 Pavel Roskin

Copyright (c) 2005, Matthias Urlichs.

Copyright 2008-2014 Peter Krefting

Copyright (c) 2007 Andy Parkins

Copyright (c) 2006 Josh England

Copyright (c) 2011 JÃ©rÃ©mie Nikaes

Copyright (c) 2013 Matthieu Moy

Copyright (c) 2012 Charles Roussel

Copyright (c) 2006, Sean Estabrooks.

Apache-2.0

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2012 Felipe Contreras

Copyright (c) 2009-2012 Avery Pennarun

Copyright 2008 Lukas SandstrÃ¶m

Copyright (c) 2008 Petr Baudis

Copyright (c) 2009 Pat Thoyts

Copyright (c) 2009 Jimmy Angelakos

Copyright (c) Alexandre Bourget 2008.

Copyright (c) 2007 Miklos Vajna

Copyright (c) 2007 Paolo Ciarrocchi, 2007 Michele Ballabio

Copyright (c) 2007-2008 Fredrik Skolmli

Copyright (c) Alexandre Erwin Ittner 2010.

Copyright (c) Irina Riesen 2007.

Copyright (c) Mikael MaGNUsson 2008.

Copyright (c) Xudong Guan 2007.

Copyright (c) Christian Stimming 2007

Copyright (c) 2009 Jimmy Angelakos

Copyright (c) Christian Stimming 2007

Copyright (c) Frederik Schwarzer 2008.

Copyright (c) 2005-2008 Santiago Gala

Copyright (C) 2005-2006, Kay Sievers

Copyright (C) 2005, Christian Gierke

Copyright (c) 2011, John 'Warthog9' Hawley, Jakub Narebski

Copyright (c) 2007, Fredrik Kuivinen, Petr Baudis, 2008-2011, Jakub Narebski

Copyright (c) 1997-8 Graham Barr All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Copyright (c) 2010-2012 Ralf Thielow

Copyright (c) 2012 Marco Paolone

Copyright (c) 2012 Vincent van Ravesteijn

Copyright (c) 2012 Marco Sousa

Copyright (c) 2010-2013 Peter krefting

Copyright (c) 2012-2013 Trá°şn Ngá» c QuÃ¢n.

Copyright (c) 2012,2013 Jiang Xin

Copyright (c) 2008 Clemens Buchacher <drizzd@aon.at>

Copyright (c) 2007 Carlos Rica

Copyright (c) 2008 David Reiss

Copyright (c) 2012 Michael Haggerty

Copyright (c) 2011 Roberto Tyley

Copyright (c) 2005 Rene Scharfe

Copyright (c) 2007 Nguy a»...n Th i Ng a» c Duy

Copyright (c) 2010 Matthieu Moy

Copyright (c) 2012 Valentin Duperray, Lucien Kong, Franck Jonas, Thomas Nguy,  
Khoi Nguyen Grenoble INP Ensimag

Copyright (c) 2007 Johannes Sixt

Copyright (c) 2007 David Symonds

Copyright (c) 2010 Erick Mattos

Copyright (c) 2006-2007 Carl D. Worth

Copyright (c) 2005 Robert Fitzsimons

Copyright (c) 2010 Johan Herland

Copyright (c) 2006 Yann Dirson

Copyright(C) 2008 Stephen Habermann & Andreas Ericsson

Copyright (c) 2008 Stephen Haberman

Copyright (c) 2009 Greg Price

Copyright (c) 2011 David Caldwell

Copyright (c) 2012 Torsten B lgershausen

Copyright (c) 2006 Brian C Gernhardt

Copyright (c) 2008 Timo Hirvonen

Copyright (c) Jim Meyering

Copyright (c) 2009 Jens Lehmann

Copyright (c) 2012 Zbigniew J drzejewski-Szmek

Copyright (c) 2012 Mozilla Foundation

Copyright (c) 2009 Giuseppe Bilotta

Copyright (c) 2006 Catalin Marinas

Copyright (c) 2009 Stephen Boyd

Copyright (c) 2010 Andreas Gruenbacher

Copyright (c) 2010 Peter Collingbourne

Copyright (c) 2010, Will Palmer

Copyright (c) 2010 Bo Yang

Copyright (c) 2010 Nazri Ramliy

Copyright (c) 2010 Stefan-W. Hahn

Copyright (c) 2007-2008 Nicolas Pitre

Copyright (c) 2006 Josh England

Copyright (c) 2010 Thomas Rast

Copyright (c) 2007 Santi BÃ©jar, based on t4013 by Junio C Hamano

Copyright (c) 2008 Dmitry V. Levin

Copyright (c) 2010, Jens Lehmann

Copyright (c) 2006 Martin Waitz <tali@admingilde.org>

Copyright (c) 2010 Sverre Rabbelier

Copyright (c) 2005 Jon Seymour

Copyright (c) 2005 Fredrik Kuivinen

Copyright (c) 2005 Fredrik Kuivinen

Copyright (c) 2007 Andy Parkins

Copyright (c) 2007 Michael Spang

Copyright (c) 2007 Lars Hjemli

Copyright (c) 2008 Ping Yin

Copyright (c) 2008 David Aguilar

Copyright (c) 2009 Red Hat, Inc.

Copyright (c) 2009 Johan Herland

Copyright (c) 2012 Daniel GraÃ±a

Copyright (c) 2007 Steven Grimm

Copyright (c) 2007 Kristian HÃgsberg

Copyright (c) 2009 Erick Mattos

Copyright (c) 2008 Charles Bailey

Copyright (c) 2009, 2010, 2012, 2013 David Aguilar

Copyright (c) 2008 Kevin Ballard

Copyright (c) 2007 David D. Kilzer

Copyright (c) 2008 Jan KrÄ¼ger

Copyright (c) 2008 Santhosh Kumar Mani

Copyright (c) 2008 Brad King

Copyright (c) 2008 Marcus Griep

Copyright (c) 2008 Deskin Miller

Copyright (c) 2008 Alec Berryman

Copyright (c) 2009 Vitaly Shukela

Copyright (c) 2012 Steven Walter

Copyright (c) 2009 Mark Lodato

Copyright (c) 2009 Ben Jackson

Copyright (c) 2009 Marc Branchaud

Copyright (c) 2009 Robert Allan Zeh

Copyright (c) 2013 Paul Walmsley

Copyright (c) 2007, 2009 Sam Vilain

Copyright (c) 2009 Robert Zeh

Copyright (c) 2010 Jay Soffian

Copyright (c) 2010 Steven Walter

Copyright (c) 2011 Ray Chen

Copyright (c) 2011 Bryan Jacobs

Copyright (c) 2011 FrÄ©dÄ©ric Heitzmann

Copyright (c) 2012 Peter Baumann

Copyright (c) 2012 Robert Luberda

Copyright (c) 2013 Tobias Schulte

Copyright (c) Robin Rosenberg

Copyright (c) 2007 Frank Lichtenheld



The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable, applies to the above-listed file(s).

Note that the only valid version of the GPL as far as this project is concerned is `_this_` particular version of the license (ie v2, not v2.2 or v3.x or whatever), unless explicitly otherwise stated.

HOWEVER, in order to allow a migration to GPLv3 if that seems like a good idea, I also ask that people involved with the project make their preferences known. In particular, if you trust me to make that decision, you might note so in your copyright message, ie something like

This file is licensed under the GPL v2, or a later version at the discretion of Linus.

might avoid issues. But we can also just decide to synchronize and contact all copyright holders on record if/when the occasion arises.

Linus Torvalds

Copyright (c) 2006-2010 Shawn Pearce et. al.

Copyright (c) 2007 Steven Grimm

Copyright (c) 2008 Marcus Griep

Copyright (c) 2009 Robert Zeh

Copyright (C) 2006 Carl D. Worth <cworth@cworth.org>

Copyright 2006-2007 Carl D. Worth

(C) 2012 Heiko Voigt <hvoigt@hvoigt.net>

Copyright (C) 2013 Matthieu Moy <Matthieu.Moy@imag.fr>

Copyright (c) 2014 Alfred Perlstein

Copyright 2012 Charles Roussel <charles.roussel@ensimag.imag.fr> Simon Cathebras <simon.cathebras@ensimag.imag.fr>

Copyright (C) 2006 2007 Shawn O. Pearce <spearce@spearce.org> Distributed under the GNU General Public License version

Copyright (c) 2010 Sverre Rabbelier

(C) Copyright 2000 - 2005 Wolfgang Denk DENX Software Engineering wd@denx.de.

Copyright (c) 2007 Michael Spang

Copyright (c) 2013 Paul Walmsley - based on

Copyright (c) 2007 Frank Lichtenheld

Copyright 1985, 1988-2012 Free Software Foundation Inc

Copyright (c) 2010 Johan Herland <johan@herland.net>

Copyright 2006-2007 Kristian H

Copyright 2010 David Barr <david.barr@cordelta.com>

Copyright (c) 2007 Andy Parkins and also includes contributions by other authors.

Copyright (c) 2010 Bo Yang

copyright (c) 2011 Bryan Jacobs

Copyright (c) 2012 Michael Haggerty

Copyright (c) 2017 Marc Stevens Cryptology Group

Copyright 2006-2010, 2013-2014 Christian Couder

Copyright 2006-2008 Johannes E. Schindelin

Copyright 2002 2005 Greg Kroah-Hartman <greg@kroah.com>

2006-2008 Ian Macdonald <ian@caliban.org>

Copyright (c) 2005-2006 Pavel Roskin

Copyright 2008-2018 Peter Krefting <peter@softwolves.pp.se>

Copyright 2008-2016 David Aguilar

Copyright 2006, 2008 Petr Baudis

Copyright (c) 2013 Ramkumar Ramachandra  
Copyright 2011 John Szakmeister <john@szakmeister.net>  
Copyright (C) 2010 Mathieu Desnoyers <mathieu.desnoyers@efficios.com>  
Copyright 2008, 2013-2014 Christian Couder <chriscool@tuxfamily.org>  
Copyright (c) 2007 David D. Kilzer  
Copyright 2006 by Petr Baudis E  
Copyright 2010 Will Palmer  
Copyright 2011 John  
Copyright 2007-2008, 2016 Shawn Pearce et al  
Copyright 2005 Matthias Urlichs. It is released  
Copyright (c) 2007 Nanako Shiraishi  
Copyright 2013 GitHub Inc  
Copyright 2008 Lukas Sandstr  
Copyright (C) 2018 Christopher Diaz Riveros <christopher.diaz.riv@gmail.com> This file is distributed under the same license as the Git package. Christopher Diaz Riveros <christopher.diaz.riv@gmail.com>  
Copyright 2008, 2010 Brad King  
Copyright (C) 2009 Avery Pennarun <apenwarr@gmail.com>  
Copyright 2005-2006 Niall Douglas  
Copyright 2009-2013 Daniel Lemire Cliff Moon David McIntosh Robert Becho Google Inc. and Veronika Zenz  
Copyright (c) 2013 Tobias Schulte  
Copyright (C) 2009 Pierre-Marc Fournier Conversion to RCU list.  
Copyright 2006-2007 Eric Wong test  
Copyright 2007 Jakub Narebski  
Copyright 2009-2010 Jens Lehmann  
Copyright (C) 2016 Vasco Almeida <vascomalmeida@sapo.pt> This file is distributed under the same license as the Git package. Contributors  
Copyright (c) 2010 Peter Collingbourne  
Copyright 2007 Simon Hausmann <simon@lst.de>  
Copyright (C) 2005-2008 Santiago Gala This file is distributed under the same license as the gitk package. Santiago Gala <santiago.gala@gmail.com>  
Copyright (c) 2011 Fr  
Copyright 2008-2009 Peter Krefting E  
Copyright (c) 2012-2014 Michael Haggerty and others Derived from contrib hooks post-receive-email which is  
Copyright 2006 Martin Waitz <tali@admingilde.org>  
Copyright (c) 2006 Yann Dirson based on  
Copyright (c) 2007 Santi B  
Copyright (C) 2010 THE PACKAGE'S  
Copyright (c) 2006 2014 by its authors See COPYING for licensing conditions  
Copyright 2012-2018 Alexander Shopov <ash@kambanaria.org>  
Copyright (C) 2007 THE git-gui-i'S  
copyright (c) 2005 Martin Langhoff. It is released under the Gnu Public License version  
Copyright (c) 2015-2016 Matthieu Moy and others  
Copyright (c) 2012 Peter Baumann  
Copyright (C) 2015-2018 git Korean translation contributors This file is distributed under the same license as the Git package.  
Copyright (c) 2012 Tim Henigan  
Copyright (c) 2008 Ping Yin  
Copyright 2006 The Open University UK -  
Copyright 1996-2001 Internet Software Consortium  
Copyright 2005-2010 Junio C Hamano  
Copyright (c) 2008 Lea Wiemann  
Copyright 2012, 2014 Heiko Voigt  
Copyright (C) 2010 Google Inc. and other  
Copyright (C) 2013 Benoit Person <benoit.person@ensimag.imag.fr> Celestin Matte <celestin.matte@ensimag.imag.fr>  
Copyright (c) 2006 Catalin Marinas  
Copyright (C) 2007 David K  
Copyright (c) 2008 Santhosh Kumar Mani



Copyright (C) 2007 Shawn Bohrer  
Copyright (c) 2007 Carlos Rica <jasampler@gmail.com>  
Copyright (c) 2012-2013 Felipe Contreras <felipe.contreras@gmail.com>  
Copyright (C) 2012 Marc Khouzam <marc.khouzam@gmail.com> Distributed under the GNU General Public License version  
Copyright 2005 Fredrik Kuivinen  
Copyright 2005-2008, 2016 Johannes Schindelin  
Copyright (c) 2008 Alec Berryman  
Copyright (c) 2009 Eric Wong Mark Lodato  
Copyright 2012 Felipe Contreras  
Copyright (c) 2011 Ray Chen  
Copyright 2005 Paul Mackerras <paulus@samba.org>  
Copyright (c) 2008 Charles Bailey  
Copyright (c) 2007 Eric Wong Based on  
Copyright (C) Eric Biederman 2005  
Copyright (c) 2009 Red Hat Inc.  
Copyright (c) 2010 Jakub Narebski Christian Couder  
Copyright 2007-2008 Nicolas Pitre  
Copyright (c) 2010 Andreas Gruenbacher  
Copyright (c) 2012 Robert Lubberda  
Copyright 2005-2006 Linus Torvalds and Junio C Hamano  
Copyright 2007, 2009 Sam Vilain  
(C) 2005 Christian Gierke  
Copyright 2003 Davide Libenzi  
Copyright 2005 Lukas Sandstrom <lukass@etek.chalmers.se>  
Copyright (c) 2012 Torsten B  
Copyright (c) 2009 Red Hat Inc Author Michael S. Tsirkin (mst@redhat.com)  
Copyright (c) 2012 Zbigniew J  
Copyright 2007 Lars Hjemli  
Copyright 2005-2016 u00a9  
Copyright 2003-2016 Davide Libenzi Johannes E. Schindelin  
Copyright (c) 2010 Matthieu Moy  
Copyright 2007-2008 Nguy  
Copyright (C) 2009 Pat Thoyts <patthoyts@users.sourceforge.net>  
Copyright 2010, 2012 Steven Walter  
Copyright (C) 2012 Marco Paolone <marcopaolone@gmail.com> This file is distributed under the same license as the Git package. msgid  
Copyright 2005 Ryan Anderson <ryan@michonline.com>  
Copyright (c) 2007 Johannes E Schindelin  
Copyright 2006 Franck Bui-Huu  
Copyright (c) 2011 David Caldwell  
Copyright 2006 Mike McCormack  
Copyright 2009 Jimmy Angelakos  
Copyright 2008, 2010-2012 Google Inc  
(C) 2009 Ilari Liusvaara <ilari.liusvaara@elisanet.fi>  
Copyright 2010 Jay Soffian  
Copyright (C) 2003-2007 Free Software Foundation Inc. Written by Bruno Haible <bruno@clisp.org>  
Copyright (c) 2008 Jan Kr  
Copyright (c) 2010 Nazri Ramliy  
Copyright (c) 2016 Dan Aloni  
Copyright (c) 2010 Stefan-W. Hahn  
Copyright (c) 2009 Vitaly Shukela  
Copyright (c) 2014 Ephrim Khong  
Copyright (c) 2008 David Reiss  
Copyright (c) 2014 Michael J Gruber <git@drmicha.warpmail.net>  
Copyright (c) 2012 Mozilla Foundation

Copyright (C) 2006 Ryan Anderson  
Copyright (c) 2008 2009 2011 by Attractive Chaos <attractor@live.co.uk>  
Copyright (C) 2006 2007 Shawn O. Pearce <spearce@spearce.org> Conceptually based on gitcompletion  
Copyright 2005-2016 Paul Mackerras  
(C) 2005-2006 Kay Sievers <kay.sievers@vrfy.org>  
Copyright 2007 Andy Parkins  
Copyright 2005 Jon Seymour  
Copyright 2006 Josh England  
Copyright (c) 2008 Nanako Shiraishi Prime rerere database from existing merge commits  
Copyright (c) 2008 Dmitry V. Levin  
Copyright(C) 2008 Stephen Habermann & Andreas Ericsson  
Copyright 2005-2006 Rene Scharfe  
Copyright (C) 2006 Eric Wong <normalperson@yhbt.net> License GPL  
Copyright 2009-2010 Johan Herland  
Copyright (c) 2006 KJK Hyperion <hackbunny@reactos.com>  
Copyright (C) 2012 Marco Sousa  
Copyright (C) 2010 Jonathan Nieder <jrnieder@gmail.com>.  
Copyright 2006-2008 Shawn Pearce  
Copyright (c) 2016 Jacob Keller  
Copyright 2000-2002 Michael R. Elkins <me@mutt.org>  
Copyright (C) 2012 2013 Jiang Xin  
Copyright 2005 Robert Fitzsimons  
Copyright 2007 Carlos Rica  
Copyright (c) 2016 Jacob Keller based on  
Copyright (C) 2005 Stefan Hegny hydrografix Consulting GmbH Frankfurt Main Germany and others see <http://svn2cc.sarovar.org>  
Copyright (c) 2008 Matthew Ogilvie Parts adapted from other tests.  
Copyright 2005, 2007 Nicolas Pitre <nico@fluxnic.net>  
Copyright (c) 2009 Robert Allan Zeh  
Copyright (c) 2007 Thomas Harning Jr Original Original  
Copyright 2012 Valentin Duperray Lucien Kong Franck Jonas Thomas Nguy Khoi Nguyen Grenoble INP Ensimag  
Copyright (c) 2012 Daniel Gra  
Copyright (c) 2016 Jeff King  
Copyright 2006-2007 Shawn O. Pearce  
Copyright 2008 Clemens Buchacher <drizzd@aon.at>  
Copyright (c) 2007 David Symonds  
Copyright (c) 2012 SZEDER G  
Copyright (c) 2009 Marc Branchaud  
Copyright (C) 2018 Jean-No  
Copyright 2008 Peter Harris <git@peter.is-a-geek.org>  
Copyright (c) 2015 Twitter Inc  
Copyright 2017 Marc Stevens <marc@marc-stevens.nl> Dan Shumow (danshu@microsoft.com) Distributed under the MIT Software License. See accompanying file LICENSE.txt or copy at  
Copyright 2011, 2015 Alexey Shumkin  
Copyright (c) 2008 Kevin Ballard  
Copyright 1995-2011 Perforce Software. All rights reserved. Rev.  
Copyright 2009-2010 Erick Mattos  
Copyright 2007 Fredrik Kuivinen <frekui@gmail.com>  
Copyright 2017 Marc Stevens <marc@marc-stevens.nl> Dan Shumow <danshu@microsoft.com> Distributed  
Copyright 2002-2004 Oswald Buddenhagen <ossi@users.sf.net>  
Copyright (c) 2009 Stephen Boyd  
Copyright (c) 2009 Greg Price  
Copyright 2008 Stephen Haberman  
Copyright 2005-2006, 2008 Linus Torvalds  
Copyright 2007 Johannes Sixt  
Rewritten for GIT by Nicolas Pitre <nico@fluxnic.net> (C) 2005-2007



modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [This condition was removed.]
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The DNS resolver code, taken from BIND 4.9.5, is copyrighted by UC Berkeley, by Digital Equipment Corporation and by Internet Software Consortium. The DEC portions are under the following license:

Portions Copyright (C) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED ``AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The ISC portions are under the following license:

Portions Copyright (c) 1996-1999 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS

ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The Sun RPC support (from rpcsrc-4.0) is covered by the following license:

Copyright (c) 2010, Oracle America, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following CMU license covers some of the support code for Mach, derived from Mach 3.0:

Mach Operating System  
Copyright (C) 1991,1990,1989 Carnegie Mellon University  
All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS ``AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR

ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator  
School of Computer Science  
Carnegie Mellon University  
Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

The file if\_ppp.h is under the following CMU license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license covers the files from Intel's "Highly Optimized Mathematical Functions for Itanium" collection:

Intel License Agreement

Copyright (c) 2000, Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The files inet/getnameinfo.c and sysdeps/posix/getaddrinfo.c are copyright (C) by Craig Metz and are distributed under the following license:

/\* The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
1. All terms of the all other applicable copyrights and licenses must be followed.
2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
4. [The copyright holder has authorized the removal of this clause.]
5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author. \*/

The file sunrpc/des\_impl.c is copyright Eric Young:

Copyright (C) 1992 Eric Young

Collected from libdes and modified for SECURE RPC by Martin Kuck 1994

This file is distributed under the terms of the GNU Lesser General Public License, version 2.1 or later - see the file COPYING.LIB for details.

If you did not receive a copy of the license with this program, please see <<http://www.gnu.org/licenses/>> to obtain a copy.

The libidn code is copyright Simon Josefsson, with portions copyright The Internet Society, Tom Tromej and Red Hat, Inc.:

Copyright (C) 2002, 2003, 2004, 2011 Simon Josefsson

This file is part of GNU Libidn.

GNU Libidn is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

GNU Libidn is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with GNU Libidn; if not, see <<http://www.gnu.org/licenses/>>.

The following notice applies to portions of libidn/nfkc.c:

This file contains functions from GLIB, including gutf8.c and gunidecomp.c, all licensed under LGPL and copyright hold by:

Copyright (C) 1999, 2000 Tom Tromej  
Copyright 2000 Red Hat, Inc.

The following applies to portions of libidn/punycode.c and libidn/punycode.h:

This file is derived from RFC 3492bis written by Adam M. Costello.

Disclaimer and license: Regarding this entire document or any portion of it (including the pseudocode and C code), the author makes no guarantees and is not responsible for any damage resulting from its use. The author grants irrevocable permission to anyone to use, modify, and distribute it in any way that does not diminish the rights of anyone else to use, modify, and distribute it, provided that redistributed derivative works do not contain misleading author or version information. Derivative works need not be licensed under similar terms.

Copyright (C) The Internet Society (2003). All Rights Reserved.



This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

The file inet/rcmd.c is under a UCB copyright and the following:

Copyright (C) 1998 WIDE Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The file posix/runtests.c is copyright Tom Lord:

Copyright 1995 by Tom Lord

## All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The posix/rxspencer tests are copyright Henry Spencer:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

The file posix/PCRE.tests is copyright University of Cambridge:

Copyright (c) 1997-2003 University of Cambridge

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or

otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

`ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/`

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

Files from Sun `fdlibm` are copyright Sun Microsystems, Inc.:

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

Part of `stdio-common/tst-printf.c` is copyright C E Chew:

(C) Copyright C E Chew

Feel free to copy, use and distribute this software provided:

1. you do not pretend that you wrote it
2. you leave this copyright notice intact.

Various long double `libm` functions are copyright Stephen L. Moshier:

Copyright 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU

Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <http://www.gnu.org/licenses/>. \*/

Copyright 1987-2017 Free Software Foundation Inc.  
Copyright 1993 Digital Equipment Corp  
Copyright (c) 1988 Stephen Deering.  
Copyright 1980, 1982-1983, 1985-1994, 2011 The Regents of the University of California  
Copyright 1999-2000 Tom Tromeo  
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are Inc herein by  
Copyright 1998 WIDE Project  
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov>  
Copyright 2002-2005, 2011 Simon Josefsson  
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc November  
Copyright 1995 Tom Lord  
Copyright 1995 International Business Machines Inc  
Copyright 1996 Craig Metz  
Copyright 1992 Eric Young Collected from libdes and modified for SECURE RPC by Martin Kuck  
Copyright 2003 The Internet Society  
Copyright 1995, 1999 Ralf Baechle  
Copyright 1997-2003 University of Cambridge  
Copyright (C) 1992 Eric Young  
Copyright 1987, 1990-1991, 1993, 2011 Sun Microsystems Inc  
Copyright (c) 1993 Carlos Leandro and Rui Salgueiro Dep. Matematica Universidade de Coimbra Portugal Europe  
Copyright 2010 Oracle America Inc. Redistribution and  
Copyright 1991-2013 Unicode Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org>  
Copyright 2001 Stephen L. Moshier  
Copyright 2017 Unicode  
Copyright 2001. csu version.  
Copyright 1995-1999 Internet Software Consortium  
Copyright 2004 Internet Systems Consortium Inc  
Copyright 2000 Red Hat Inc  
Copyright (C) 1994 X Consortium  
Copyright 2001 Stephen L. Moshier (moshier@na-net.ornl.gov)  
Copyright 2000-2005 Intel Corp  
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc October  
Copyright 2001 Stephen L. Moshier (moshier@na-net.ornl.gov)  
Copyright (C) 1995 1999 Silicon Graphics  
Copyright 2010-2012 Oracle America Inc  
Copyright 1987-1993, 1995 Carnegie Mellon University  
Copyright 1992-1994, 1997 Henry Spencer  
Copyright 1982-1983, 1986, 1988, 1990-1991 Regents of the University of California

gmp version 5.0.1

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the GNU Lesser General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable, applies to the above-listed file(s).

Copyright 1991-2009 Free Software Foundation, Inc.  
Copyright 2008-2009 William Hart, Gonzalo Tornaria

gmp version 5.1.3

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

Copyright 1991, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2002,  
2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Free  
Software Foundation, Inc.

The text of the GNU Lesser General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

This file is part of the GNU MP Library.

The GNU MP Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.

The GNU MP Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU MP Library. If not, see <http://www.gnu.org/licenses/>. \*/

Copyright 1991, 1993-1997, 1999-2012 Free Software Foundation Inc  
Copyright 2008 William Hart Gonzalo Tornaria  
Copyright 1999-2011 Free Software Foundation Inc. Contributed by the Arenaire and Cacao projects INRIA

gnu arm eclipse plug-ins version 2.11.1

<<<<<<<<<<xilinx-separator>>>>>>>>>

The text of the Eclipse Public License, Version 1.0, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

- Copyright (c) 2013-2015 Liviu Ionescu
- Copyright (c) 2005, 2010 IBM Corporation
- Copyright (c) 2007 - 2010 QNX Software Systems
- Copyright (c) 2010, 2013 Wind River Systems
- Copyright (c) 2006, 2012 Wind River Systems, Nokia
- Copyright (c) 2011 Ericsson
- Copyright (c) 2011, 2013 Marc-Andre Laperle
- Copyright (c) 2007, 2010 Intel Corporation
- Copyright (c) 2007 Symbian Software Private Ltd.
- Copyright (c) 2009-2015 ARM LIMITED
- Copyright 2015(c) Analog Devices, Inc.
- Copyright: 1997 - 2013 Freescale, Inc.
- COPYRIGHT 2012-2015 STMicroelectronics

The following applies to portions of the program: Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name of the authors nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission. - The use of this software may or may not infringe the patent rights of one or more patent holders. This license does not release you from the requirement that you obtain separate licenses from these patent holders to use this software. - Use of the software either in source or binary form, must be run on or directly connected to an Analog Devices Inc. component. THIS SOFTWARE IS PROVIDED BY ANALOG DEVICES "AS IS" AND ANY EXPRESS OR IMPLIED







// You should have received a copy of the GNU General Public License and  
// a copy of the GCC Runtime Library Exception along with this program;  
// see the files COPYING3 and COPYING.RUNTIME respectively. If not, see  
// <<http://www.gnu.org/licenses/>>.

// Copyright (C) 2009, 2010 Free Software Foundation, Inc.

//  
// This file is part of the GNU ISO C++ Library. This library is free  
// software; you can redistribute it and/or modify it under the terms  
// of the GNU General Public License as published by the Free Software  
// Foundation; either version 2, or (at your option) any later  
// version.

// This library is distributed in the hope that it will be useful, but  
// WITHOUT ANY WARRANTY; without even the implied warranty of  
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
// General Public License for more details.

// You should have received a copy of the GNU General Public License  
// along with this library; see the file COPYING. If not, write to  
// the Free Software Foundation, 59 Temple Place - Suite 330, Boston,  
// MA 02111-1307, USA.

// As a special exception, you may use this file as part of a free  
// software library without restriction. Specifically, if other files  
// instantiate templates or use macros or inline functions from this  
// file, or you compile this file and link it with other files to  
// produce an executable, this file does not by itself cause the  
// resulting executable to be covered by the GNU General Public  
// License. This exception does not however invalidate any other  
// reasons why the executable file might be covered by the GNU General  
// Public License.

Copyright (C) 2004 2005 2009 Free Software Foundation Inc. Contributed by Apple Inc.

Copyright 1994-2010 Free Software Foundation

Copyright 2000 Jeremy Siek

Copyright (c) 1996 1997 Silicon Graphics

Copyright 1999-2000, 2002-2005, 2008-2009 Free Software Foundation Inc. Contributed by Mumit Khan  
<[khan@xraylith.wisc.edu](mailto:khan@xraylith.wisc.edu)>

Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL

Copyright 2001-2003 Peter Dimov and Multi Media Ltd

Copyright 1996-1999 Silicon Graphics Computer Systems Inc

Copyright 1989, 1997-2010 Free Software Foundation Inc

Copyright 1994 Hewlett-Packard Co

Copyright 2001-2003 Peter Dimov

Copyright (C) 2005 2007 2008 2009 Free Software Foundation Inc. Contributed by Richard Henderson <[rth@redhat.com](mailto:rth@redhat.com)>.

Copyright 1998-1999 Greg Colvin and Beman Dawes



Copyright 1995-2017 Mark Adler  
Copyright 2013 The Written Word Inc. -  
Copyright (c) 1998 2001 2007 2008 2011 2014 Red Hat  
Copyright 1998-1999 ISO  
Copyright 2009-2010 Mathias Svensson  
copyright (C) 1991-2011 Thomas G. Lane Guido Vollbeding. All Rights Reserved except as specified below.  
Copyright (c) 1996-2004 Red Hat Inc. Target configuration macros for FR-V  
Copyright 1993, 2004 Sun Microsystems Inc  
Copyright 2005 Axis Communications AB  
Copyright (c) 2001 David E. O'Brien Portions  
Copyright 2001 by Stephen L. Moshier (moshier@na-net.onrl.gov).  
Copyright 1998-2000 Jacques Nomssi Nzali  
Copyright (C) 1998 by Bob Dellaca.  
Copyright 2002 OOPSLA.  
Copyright (C) 2001-2005 Quantum-ESPRESSO group This file is distributed under the terms of the GNU General Public License. See the file  
Copyright (c) 2013 Imagination Technologies Ltd.  
Copyright 2001 by Stephen L. Moshier (moshier@na-net.onrl.gov).  
Copyright 2004 Simon Posnjak  
Copyright 2003 Chris Anderson <christop@charm.net> Please  
Copyright (C) 1994 X Consortium  
Copyright 2002-2008, 2012 Kaz Kojima  
Copyright 2000 Hewlett Packard Co  
Copyright 1991-2005 Unicode Inc  
Copyright (c)1999 Citrus Project All rights reserved.  
Copyright (C) 1995-2017 Jean-loup Gailly detect  
Copyright 2007-2008 Even Rouault  
Copyright 2007-2016 Intel Corp  
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.  
Copyright 1999-2017 gfortran  
Copyright 2009-2017 The Go Authors  
Copyright 1996-2010 Julian R Seward  
Copyright (C) 1991 by Pipeline Associates Inc. All rights reserved. Permission is granted to do anything you want with this file commercial or otherwise provided this message remains intact. So there  
Copyright (C) 2000-2006 Erik Andersen <andersen@uclibc.org>  
Copyright 2002 Bo Thorsen  
Copyright 2016 John David Anglin  
Copyright (C) 2009 the Initial Developer. All Rights Reserved.  
copyright 1987 1988 1989 john  
Copyright 1995-2016 Jean-loup Gailly Mark Adler  
Copyright 2016 AdaCore -- -- -- GNARL is free software  
Copyright (c) 2010 CodeSourcery  
Copyright (C) 2002 FPMD group This file is distributed under the terms of the GNU General Public License. See the file copyrights-go 2010-2017  
Copyright (C) 2003 Cosmin Truta. Derived from original sources by Bob Dellaca. For conditions of distribution and use see  
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for MIPS.  
Copyright 2012-2013 Xilinx Inc  
Copyright 2010 Faraday Technology Corp  
copyright 1996 Loren P. Meissner -- May be distributed if this line is included. Linked List operations with Pointer to Pointer  
Copyright (c) 2004 2005 Mark Adler. --  
Copyright (C) 1997 - 2002 Makoto Matsumoto and Takuji Nishimura -- -- All rights reserved. -- -- --  
Copyright (c) 2009 Bradley Smith <brad@brad-smith.co.uk> Target configuration macros for AVR32.  
Copyright 1998, 2007 Brian Raiter <breadbox@muppetlabs.com>  
Copyright 1996-2010 Julian Seward <jseward@bzip.org>  
Copyright (c) 2011 2014 Anthony Green -  
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for SPARC.

Copyright 2012 Alexandre K. I. de Mendonca <alexandre.keunecke@gmail.com> Paulo Pizarro <paulo.pizarro@gmail.com>  
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov>  
Copyright (c) 2013 Imagination Technologies  
Copyright 1984 1991 by Stephen L. Moshier Adapted for glibc October  
Copyright (c) 2004 Renesas Technology. Target configuration macros for M32R.  
(C) Copyright Jeremy Siek 2000  
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL  
Copyright 1991-1994 Florida State University -- --  
Copyright 1996 L. Peter Deutsch  
Copyright 1992 & Current  
copyright and license notices. ChangeLog-1993-2007  
Copyright 2000, 2007 Software AG  
Copyright 2004 Henrik Ravn  
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing  
Copyright 1992-2016 AdaCore -- -- -- -- GNAT is free software  
Copyright (c) 1996 1997 Silicon Graphics  
Copyright 2003 Cosmin Truta  
Copyright 2013 Synopsys Inc  
Copyright (C) 1991-2009 Florida State University -- -- -- -- GNAT is free software you can redistribute it and or modify it  
under --  
Copyright 1998 Geoffrey Keating  
COPYRIGHT 1999 SPACKMAN & HENDRICKSON INC. REAL  
Copyright (C) 1998 - 2010 Gilles Vollant Even Rouault Mathias Svensson  
Copyright (c) 1997 99 Borland Corp. and is based on zlib version  
Copyright 2003 Jakub Jelinek <jakub@redhat.com>  
Copyright (C) 1989 by Matthew Self. You may freely distribute verbatim copies of this software provided that this  
Copyright (C) 2004 2005 2006 Cavium Networks.  
Copyright 2009 Bradley Smith <brad@brad-smith.co.uk>  
Copyright 2002-2004 Dmitriy Anisimkov -- -- -- -- Open source license information is in the zlib.ads file. --  
Copyright 2001-2003 Peter Dimov  
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly  
Copyright 1996- & Gnatvsn.Current  
Copyright 2015 NVIDIA Corp  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
Copyright (C) 1996 1997 1998 1999 2000 2007 2010 James Theiler Brian Gough template  
Copyright 2002-2003, 2009-2012 ARM Ltd  
Copyright 2003-2004 Randolph Chung <tausq@debian.org>  
Copyright (c) 2008 Wolfgang Moser http  
Copyright 1999, 2008 The Open Group The Institute of Electrical and Electronics Engineers Inc  
Copyright (c) 2007 by Till Harbaum <till@harbaum.org>  
Copyright 2011 Plausible Labs Cooperative Inc  
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for Motorola 68K.  
Copyright 1996-2014 Anthony Green Red Hat Inc and others  
(c) 2016 John David Anglin based on src pa linux.S  
Copyright 2000 Addison Wesley Inc  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler .LP This software is provided  
Copyright 1983, 1987, 1990, 2014 Regents of the University of California  
Copyright (c) 2012 Tiler Corp. Target configuration macros for TILE.  
Copyright (c) 2013 Tensilica Inc. Target configuration macros for XTENSA.  
Copyright 1984, 1987, 1989, 1992, 2000-2001 Stephen L. Moshier  
Copyright 2002 Ranjit Mathew  
Copyright 2011-2012 Tiler Corp  
Copyright (C) 2009 Canonical Ltd. Author Kees Cook <kees@ubuntu.com> License GPLv3  
Copyright 1986 University of Toronto. -- --  
Copyright 2013 Mentor Graphics  
Copyright (c) 2008 Red Hat Inc. derived from unix64.S



with any binary distributions derived from the GNU C Library.

All code incorporated from 4.4 BSD is distributed under the following license:

Copyright (C) 1991 Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [This condition was removed.]
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The DNS resolver code, taken from BIND 4.9.5, is copyrighted by UC Berkeley, by Digital Equipment Corporation and by Internet Software Consortium. The DEC portions are under the following license:

Portions Copyright (C) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED ``AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The ISC portions are under the following license:

Portions Copyright (c) 1996-1999 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The Sun RPC support (from rpcsrc-4.0) is covered by the following license:

Copyright (c) 2010, Oracle America, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following CMU license covers some of the support code for Mach, derived from Mach 3.0:

Mach Operating System  
Copyright (C) 1991,1990,1989 Carnegie Mellon University

All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS ``AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator  
School of Computer Science  
Carnegie Mellon University  
Pittsburgh PA 15213-3890

or [Software.Distribution@CS.CMU.EDU](mailto:Software.Distribution@CS.CMU.EDU) any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

The file `if_ppp.h` is under the following CMU license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license covers the files from Intel's "Highly Optimized Mathematical Functions for Itanium" collection:

Intel License Agreement

Copyright (c) 2000, Intel Corporation



All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The files inet/getnameinfo.c and sysdeps/posix/getaddrinfo.c are copyright (C) by Craig Metz and are distributed under the following license:

/\* The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
1. All terms of the all other applicable copyrights and licenses must be followed.
2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
4. [The copyright holder has authorized the removal of this clause.]
5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED

WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author. \*/

The file sunrpc/des\_impl.c is copyright Eric Young:

Copyright (C) 1992 Eric Young  
Collected from libdes and modified for SECURE RPC by Martin Kuck 1994  
This file is distributed under the terms of the GNU Lesser General  
Public License, version 2.1 or later - see the file COPYING.LIB for details.  
If you did not receive a copy of the license with this program, please  
see <<http://www.gnu.org/licenses/>> to obtain a copy.

The file inet/rcmd.c is under a UCB copyright and the following:

Copyright (C) 1998 WIDE Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions  
are met:

1. Redistributions of source code must retain the above copyright  
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright  
notice, this list of conditions and the following disclaimer in the  
documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors  
may be used to endorse or promote products derived from this software  
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS" AND  
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE  
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
SUCH DAMAGE.

The file posix/runtests.c is copyright Tom Lord:

Copyright 1995 by Tom Lord

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its

documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Tom Lord **DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.**

The posix/rxspencer tests are copyright Henry Spencer:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

The file posix/PCRE.tests is copyright University of Cambridge:

Copyright (c) 1997-2003 University of Cambridge

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but **WITHOUT ANY WARRANTY**; without even the implied warranty of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE**.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this

Regular expression support is provided by the PCRE library package,

which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

`ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/`

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

Files from Sun `fdlibm` are copyright Sun Microsystems, Inc.:

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.

Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

Various long double `libm` functions are copyright Stephen L. Moshier:

Copyright 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <<http://www.gnu.org/licenses/>>. \*/

Copyright 2015 Synopsys Inc

Copyright 1996-1997 Andrey A. Chernov Moscow Russia

Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Richard Henderson (rth@redhat.com) This file is part of the GNU C Library.

Copyright (C) 2001-2019 Free Software Foundation Inc. Contributed by NIIBE Yutaka <gniibe@m17n.org> This file is part of the GNU C Library.

Copyright 1995-2019 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com>

Copyright 1980-2000, 2011 The Regents of the University of California

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Dan Pop for Itanium <Dan.Pop@cern.ch>. Rewritten for McKinley by Sverre Jarp HP Labs CERN <Sverre.Jarp@cern.ch>

Copyright 2002-2019 Free Software Foundation Inc. Contributed by Aldy Hernandez <aldyh@redhat.com>

Copyright 1995-2019 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.org>

Copyright 1999 Kungliga Tekniska Hgskolan

Copyright 2001 Stephen L. Moshier <moshier@na-net.onrl.gov>

Copyright 2001 Hans-Peter Nilsson

Copyright 1995 Tom Lord

Copyright 1996 Craig Metz

Copyright (C) 2002-2019 Free Software Foundation Inc. Contributed by Andreas Jaeger <aj@suse.de>. This file is part of the GNU C Library.

Copyright 2015 Rolls-Royce Controls and Data Services Ltd

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com)

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu>

Copyright 1996-2010 Texas Instruments Inc

Copyright 1999 Citrus Project

Copyright 2017 embedded brains GmbH

Copyright 2019 Free Software Foundation Inc. print

Copyright 2008 Nokia Corp

Copyright 1997-2019 Free Software Foundation Inc. Contributed by Jason Merrill <jason@cygnus.com>

Copyright (C) 1992 Eric Young

Copyright (C) 2000 Free Software Foundation Inc. Contributed by Greg McGary <greg@mccgary.org> This file is part of the GNU C Library. Its master source is NOT part of

Copyright 2010-2019 Free Software Foundation Inc. Contributed by Michael Brutman <brutman@us.ibm.com>

Copyright (C) 1992-2019 Free Software Foundation Inc. Contributed by Gary Funck (gary@intrepid.com). Derived from the DWARF

Copyright 1991-2016 Free Software

Copyright 1991-2013 Unicode Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org>

Copyright 1991-2019 Free Software Foundation Inc. Contributed by Jakub Jelinek <jakub@redhat.com>

Copyright 2001 Christopher G. Demetriou

Copyright 2014 FTDI (support@ftdichip.com)

Copyright 1991-2019 Free Software Foundation Inc. Contributed by Torbjorn Granlund (tege@sics.se)

Copyright 1997-2002 FreeBSD Project

Copyright 1986 HEWLETT-PACKARD Co

Copyright 1993, 2000 Intel Corp

Copyright 2002 SuperH Inc

Copyright 1989-1991, 1993 Carnegie Mellon University

Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Copyright 2003 Altera Corp

Copyright 2017 Michael R. Neilly

Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by David Mosberger <davidm@hpl.hp.com> This file is part of the GNU C Library.

Copyright 1998 M. Warner Losh <imp@freebsd.org>

Copyright 2004, 2009 Xilinx Inc

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Dan Pop <Dan.Pop@cern.ch>

Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc October

Copyright 2001 Stephen L. Moshier (moshier@na-net.onrl.gov)

Copyright 2000-2019 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@redhat.com>

Copyright 1991 AT&T

Copyright 2001, 2006 International Business Machines Corp Sony Computer Entertainment Inc

Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Carl Pederson & Martin Schwidefsky. This file is part of the GNU C Library.

Copyright 2010-2012 Oracle America Inc  
Copyright (C) 1995-2019 Free Software Foundation Inc. Contributed by David Huggins-Daines <dhd@debian.org> This file is part of the GNU C Library.  
Copyright 2015 John Baldwin <jhb@FreeBSD.org>  
Copyright 1982-1983, 1986, 1988, 1990-1991 Regents of the University of California  
Copyright 2010-2019 Free Software Foundation Inc. Contributed by Luis Machado <luisgpm@br.ibm.com>  
Copyright 1991-2016 Free  
Copyright 1993 Digital Equipment Corp  
Copyright (C) 1995-2019 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@gnu.org>  
Copyright 1991 DJ Delorie  
Copyright (C) 1994-2019 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu> Bug fixes by Alan Modra <Alan@SPRI.Levels.UniSA.Edu.Au>  
Copyright 1996-2019 Free Software Foundation Inc. Contributed by Richard Henderson (rth@tamu.edu)  
Copyright 1991-2019 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@gnu.ai.mit.edu>  
Copyright (C) 2000-2019 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@redhat.com>  
Copyright 1994-2009 Red Hat Inc  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by David Mosberger (davidm@cs.arizona.edu). EV67 optimized by Rick Gorton <rick.gorton@alpha-processor.com>.  
Copyright (C) 1989-2019 Free Software Foundation Inc. Unlike the bulk of the getopt implementation this file is NOT part of gnu lib.  
Copyright (C) 1996-2019 Free Software Foundation Inc. Written by Ulrich Drepper <drepper@cygnus.com> October  
Copyright 2008 Ed Schouten <ed@FreeBSD.org>  
Copyright 2001 Stephen L. Moshier <moshier@na-net.ornl.gov> and are Inc herein by  
Copyright 1998 WIDE Project  
Copyright 1984, 1991 Stephen L. Moshier Adapted for glibc November  
Copyright 2018 Free Software Foundation. Copying and distribution of  
Copyright 1995 International Business Machines Inc  
Copyright 1992 Eric Young Collected from libdes and modified for SECURE RPC by Martin Kuck  
Copyright (C) 1992-2019 Free Software Foundation Inc. Written by Mike Haertel September  
Copyright 2008-2019 Free Software Foundation Inc. Written by Neal H. Walfield <neal@gnu.org>  
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>  
Copyright 2008-2019 Free Software Foundation Inc. Contributed by Andreas Krebbel <Andreas.Krebbel@de.ibm.com>  
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine  
Copyright 1995, 1999 Ralf Baechle  
Copyright 1984, 2000 S.L. Moshier  
Copyright 1997-2003 University of Cambridge  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Richard Henderson (rth@tamu.edu) EV6 optimized by Rick Gorton <rick.gorton@alpha-processor.com>  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Denis Joseph Barrow (djbarrow@de.ibm.com)  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Denis Joseph Barrow (djbarrow@de.ibm.com) and Martin Schwidefsky (schwidefsky@de.ibm.com).  
Copyright (c) 1993 Carlos Leandro and Rui Salgueiro Dep. Matematica Universidade de Coimbra Portugal Europe  
Copyright 2010 Oracle America Inc. Redistribution and  
Copyright 1999-2019 Free Software Foundation Inc. Contributed by David Mosberger-Tang <davidm@hpl.hp.com>  
Copyright (C) 2000-2019 Free Software Foundation Inc. Contributed by Maciej W. Rozycki <macro@ds2.pg.gda.pl>  
Copyright 2001 Stephen L. Moshier  
Copyright 2012-2019 Free Software Foundation Inc. Contributed by Marek Polacek <polacek@redhat.com>  
Copyright 2008 Jeffrey Roberson <jeff@freebsd.org>  
Copyright 2000-2019 Free Software Foundation Inc. Contributed by Martin Schwidefsky <schwidefsky@de.ibm.com>  
Copyright (C) 2004-2019 Free Software Foundation Inc. Contributed by Richard Henderson <rth@twiddle.net> This file is part of the GNU C Library.  
Copyright (C) 2000-2019 Free Software Foundation Inc. EV67 optimized by Rick Gorton <rick.gorton@alpha-processor.com>. This file is part of the GNU C Library.  
Copyright 2001. csu version.  
Copyright 2009-2018 ARM Ltd



#####

# Copyright (C) 2003, 2004 Free Software Foundation, Inc.

# This program is free software; you can redistribute it and/or modify  
# it under the terms of the GNU General Public License as published by  
# the Free Software Foundation; either version 2, or (at your option)  
# any later version.

# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License  
# along with this program; if not, write to the Free Software Foundation,  
# Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Copyright (C) 1985, 1986, 1988, 1990, 1991, 1992, 1993, 1994, 1995,  
1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004 Free Software  
Foundation, Inc.

This texinfo.tex file is free software; you can redistribute it and/or  
modify it under the terms of the GNU General Public License as  
published by the Free Software Foundation; either version 2, or (at  
your option) any later version.

This texinfo.tex file is distributed in the hope that it will be  
useful, but WITHOUT ANY WARRANTY; without even the implied warranty  
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
General Public License for more details.

You should have received a copy of the GNU General Public License  
along with this texinfo.tex file; see the file COPYING. If not, write  
to the Free Software Foundation, Inc., 59 Temple Place - Suite 330,  
Boston, MA 02111-1307, USA.

#####

# Copyright (C) 1996, 1997, 1999, 2000, 2002, 2003, 2004  
# Free Software Foundation, Inc.  
# Originally by Fran,cois Pinard <pinard@iro.umontreal.ca>, 1996.

# This program is free software; you can redistribute it and/or modify  
# it under the terms of the GNU General Public License as published by  
# the Free Software Foundation; either version 2, or (at your option)  
# any later version.

# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License  
# along with this program; if not, write to the Free Software  
# Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA  
# 02111-1307, USA.

# As a special exception to the GNU General Public License, if you



# distribute this file as part of a program that contains a  
# configuration script generated by Autoconf, you may include it under  
# the same distribution terms that you use for the rest of that program.

#####

Copyright (C) 2002 Free Software Foundation, Inc.

This file is free software, distributed under the terms of the GNU  
General Public License. As a special exception to the GNU General  
Public License, this file may be distributed as part of a program  
that contains a configuration script generated by Autoconf, under  
the same distribution terms as the rest of that program.

#####

# Copyright (C) 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002,  
# 2003, 2004 Free Software Foundation, Inc.

# This Makefile.in is free software; the Free Software Foundation  
# gives unlimited permission to copy and/or distribute it,  
# with or without modifications, as long as this notice is preserved.

# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without  
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A  
# PARTICULAR PURPOSE.

#####

Copyright (C) 1994, 1995, 1996, 2000, 2001, 2002, 2003, 2004 Free  
Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this  
document under the terms of the GNU Free Documentation License,  
Version 1.1 or any later version published by the Free Software  
Foundation; with no Invariant Sections, with no Front-Cover Texts,  
and with no Back-Cover Texts. A copy of the license is included  
in the section entitled "GNU Free Documentation License".

#####

Copyright (C) 1995-2003 Free Software Foundation, Inc.

This file is free software, distributed under the terms of the GNU  
General Public License. As a special exception to the GNU General  
Public License, this file may be distributed as part of a program  
that contains a configuration script generated by Autoconf, under  
the same distribution terms as the rest of that program.

This file can be used in projects which are not available under  
the GNU General Public License or the GNU Library General Public  
License but which still want to provide support for the GNU gettext  
functionality.

Please note that the actual code of the GNU gettext library is covered  
by the GNU Library General Public License, and the rest of the GNU  
gettext package package is covered by the GNU General Public License.  
They are \*not\* in the public domain.

#####

\* Copyright (c) 1990, 1993, 1994

\* The Regents of the University of California. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/  
#####

# Copyright (C) 1994 X Consortium

#  
# Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

#  
# The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

#  
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#  
# Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

#





# gives unlimited permission to copy and/or distribute it,  
# with or without modifications, as long as this notice is preserved.

# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without  
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A  
# PARTICULAR PURPOSE.

# Makefile.am to create libw32.a for mingw32 host.

# Copyright (C) 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006

# Free Software Foundation, Inc.

# This file is part of GNU Make.

#

# GNU Make is free software; you can redistribute it and/or modify it under the  
# terms of the GNU General Public License as published by the Free Software  
# Foundation; either version 2, or (at your option) any later version.

#

# GNU Make is distributed in the hope that it will be useful, but WITHOUT ANY  
# WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR  
# A PARTICULAR PURPOSE. See the GNU General Public License for more details.

#

# You should have received a copy of the GNU General Public License along with  
# GNU Make; see the file COPYING. If not, write to the Free Software  
# Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.

#####

Copyright (C) 2001-2003 Free Software Foundation, Inc.

This file is free software, distributed under the terms of the GNU  
General Public License. As a special exception to the GNU General  
Public License, this file may be distributed as part of a program  
that contains a configuration script generated by Autoconf, under  
the same distribution terms as the rest of that program.

#####

# Copyright (C) 1999, 2000, 2003, 2004, 2005 Free Software Foundation, Inc.

# This program is free software; you can redistribute it and/or modify  
# it under the terms of the GNU General Public License as published by  
# the Free Software Foundation; either version 2, or (at your option)  
# any later version.

# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License  
# along with this program; if not, write to the Free Software  
# Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA  
# 02110-1301, USA.

#####

/\* Copyright (C) 1991, 92, 93, 96, 97, 98, 99 Free Software Foundation, Inc.

This file is part of the GNU C Library.

The GNU C Library is free software; you can redistribute it and/or  
modify it under the terms of the GNU Library General Public License as

published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA. \*/

#####

Makefile for PO directory in any package using GNU gettext.  
# Copyright (C) 1995-1997, 2000-2004 by Ulrich Drepper <drepper@gnu.ai.mit.edu>

#  
# This file can be copied and used freely without restrictions. It can  
# be used in projects which are not available under the GNU General Public  
# License but which still want to provide support for the GNU gettext  
# functionality.

# Please note that the actual code of GNU gettext is covered by the GNU  
# General Public License and is \*not\* in the public domain.

#  
#####

This file can be used in projects which are not available under the GNU General Public License or the GNU Library General Public License but which still want to provide support for the GNU gettext functionality.

Please note that the actual code of the GNU gettext library is covered by the GNU Library General Public License, and the rest of the GNU gettext package is covered by the GNU General Public License. They are \*not\* in the public domain.

#####

The text of the GNU Free Documentation License, Version 1.2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file.

#####

This originates from X11R5 (mit/util/scripts/install.sh), which was  
# later released in X11R6 (xc/config/util/install.sh) with the  
# following copyright and license.

#  
# Copyright (C) 1994 X Consortium

#  
# Permission is hereby granted, free of charge, to any person obtaining a copy  
# of this software and associated documentation files (the "Software"), to  
# deal in the Software without restriction, including without limitation the  
# rights to use, copy, modify, merge, publish, distribute, sublicense, and/or  
# sell copies of the Software, and to permit persons to whom the Software is  
# furnished to do so, subject to the following conditions:

#  
# The above copyright notice and this permission notice shall be included in  
# all copies or substantial portions of the Software.

#  
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
# X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN

# AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#  
# Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.  
#####

ansi2knr is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY. No author or distributor accepts responsibility to anyone for the consequences of using it or for whether it serves any particular purpose or works at all, unless he says so in writing. Refer to the GNU General Public License (the "GPL") for full details.

Everyone is granted permission to copy, modify and redistribute ansi2knr, but only under the conditions described in the GPL. A copy of this license is supposed to have been given to you along with ansi2knr so you can know your rights and responsibilities. It should be in a file named COPYLEFT, or, if there is no file named COPYLEFT, a file named COPYING. Among other things, the copyright notice and this notice must be preserved on all copies.

We explicitly state here what we believe is already implied by the GPL: if the ansi2knr program is distributed as a separate set of sources and a separate executable file which are aggregated on a storage medium together with another program, this in itself does not bring the other program under the GPL, nor does the mere fact that such a program or the procedures for constructing it invoke the ansi2knr executable bring any other part of the program under the GPL.

#####

gnuwin pcre version 7.0  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (c) 1997-2006 University of Cambridge  
All rights reserved.

Copyright (c) 2005-2006, Google Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.





You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. \*/  
#####  
# Copyright (C) 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 Free Software Foundation, Inc.  
# This Makefile.in is free software; the Free Software Foundation  
# gives unlimited permission to copy and/or distribute it,  
# with or without modifications, as long as this notice is preserved.

# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without  
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A  
# PARTICULAR PURPOSE.  
#####  
Copyright (C) 1994, 1995, 1996, 1999, 2000, 2001, 2002, 2004, 2005 Free Software Foundation, Inc.

This file is free documentation; the Free Software Foundation gives unlimited permission to copy, distribute and modify it.  
#####  
Copyright (C) 2003 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Jakub Jelinek <jakub@redhat.com>, 2003.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. \*/  
Copyright (C) 1998, 2003 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Ulrich Drepper <drepper@cygnus.com>, 1998.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA

02110-1301 USA. \*/

Copyright (C) 2002 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Isamu Hasegawa <isamu@yamato.ibm.com>, 2002.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. \*/

Copyright (C) 2003, 2005 Free Software Foundation, Inc.  
Written by Bruno Haible <bruno@clisp.org>, 2003.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. \*/

#####

Copyright (C) 2002-2009 Free Software Foundation, Inc.

#  
# This file is free software, distributed under the terms of the GNU  
# General Public License. As a special exception to the GNU General  
# Public License, this file may be distributed as part of a program  
# that contains a configuration script generated by Autoconf, under  
# the same distribution terms as the rest of that program.

#  
#####

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

#####

# Copyright (C) 1994 X Consortium

#  
# Permission is hereby granted, free of charge, to any person obtaining a copy  
# of this software and associated documentation files (the "Software"), to  
# deal in the Software without restriction, including without limitation the

# rights to use, copy, modify, merge, publish, distribute, sublicense, and/or  
# sell copies of the Software, and to permit persons to whom the Software is  
# furnished to do so, subject to the following conditions:  
#  
# The above copyright notice and this permission notice shall be included in  
# all copies or substantial portions of the Software.  
#  
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
# X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN  
# AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNEC-  
# TION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.  
#  
# Except as contained in this notice, the name of the X Consortium shall not  
# be used in advertising or otherwise to promote the sale, use or other deal-  
# ings in this Software without prior written authorization from the X Consor-  
# tium.  
#  
#  
#####  
Written by: Philip Hazel <ph10@cam.ac.uk>  
#  
# University of Cambridge Computing Service,  
# Cambridge, England. Phone: +44 1223 334714.  
#  
# Copyright (c) 1997-2003 University of Cambridge  
#  
# Permission is granted to anyone to use this software for any purpose on any  
# computer system, and to redistribute it freely, subject to the following  
# restrictions:  
#  
# 1. This software is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY; without even the implied warranty of  
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  
#  
# 2. The origin of this software must not be misrepresented, either by  
# explicit claim or by omission. In practice, this means that if you use  
# PCRE in software that you distribute to others, commercially or  
# otherwise, you must put a sentence like this  
#  
# Regular expression support is provided by the PCRE library package,  
# which is open source software, written by Philip Hazel, and copyright  
# by the University of Cambridge, England.  
#  
# somewhere reasonably visible in your documentation and in any relevant  
# files or online help data or similar. A reference to the ftp site for  
# the source, that is, to  
#  
# ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/  
#  
# should also be given in the documentation. However, this condition is not  
# intended to apply to whole chains of software. If package A includes PCRE,  
# it must acknowledge it, but if package B is software that includes package  
# A, the condition is not imposed on package B (unless it uses PCRE  
# independently).

```
#
# 3. Altered versions must be plainly marked as such, and must not be
# misrepresented as being the original software.
#
# 4. If PCRE is embedded in any software that is released under the GNU
# General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL),
# then the terms of that licence shall supersede any condition above with
# which it is incompatible.
#
# The documentation for PCRE, supplied in the "doc" directory, is distributed
# under the same terms as the software itself.
#####
Copyright 1995 by Tom Lord
```

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

```
#####
```

```
# Copyright (c) 1992 Diomidis Spinellis.
# Copyright (c) 1992, 1993
# The Regents of the University of California. All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met:
# 1. Redistributions of source code must retain the above copyright
# notice, this list of conditions and the following disclaimer.
# 2. Redistributions in binary form must reproduce the above copyright
# notice, this list of conditions and the following disclaimer in the
# documentation and/or other materials provided with the distribution.
# 3. All advertising materials mentioning features or use of this software
# must display the following acknowledgement:
# This product includes software developed by the University of
# California, Berkeley and its contributors.
# 4. Neither the name of the University nor the names of its contributors
# may be used to endorse or promote products derived from this software
# without specific prior written permission.
```

```
#
# THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
# ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
# ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
```











# You should have received a copy of the GNU General Public License  
# along with this program. If not, see <<http://www.gnu.org/licenses/>>.

# As a special exception to the GNU General Public License, if you  
# distribute this file as part of a program that contains a  
# configuration script generated by Autoconf, you may include it under  
# the same distribution terms that you use for the rest of that program.

>>> googletest/googlemock

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>

## TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

### 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of,

the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and

attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special,

incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

### APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [2007] Neal Norwitz  
Portions Copyright [2007] Google Inc.

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

```
# Attempt to guess a canonical system name.  
# Copyright 1992-2018 Free Software Foundation, Inc.
```

```
timestamp='2018-02-24'
```

```
# This file is free software; you can redistribute it and/or modify it  
# under the terms of the GNU General Public License as published by  
# the Free Software Foundation; either version 3 of the License, or  
# (at your option) any later version.  
#
```

```
# This program is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program; if not, see <https://www.gnu.org/licenses/>.
#
# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that
# program. This Exception is an additional permission under section 7
# of the GNU General Public License, version 3 ("GPLv3").
#
# Originally written by Per Bothner; maintained since 2000 by Ben Elliston.
#
# You can get the latest version of this script from:
# https://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess
#
# Please send patches to <config-patches@gnu.org>.
```

```
>>>> thirdparty/jsoncpp 1.6.5
// Beginning of content of file: LICENSE
```

```
/*
The JsonCpp library's source code, including accompanying documentation,
tests and demonstration applications, are licensed under the following
conditions...
```

The author (Baptiste Lepilleur) explicitly disclaims copyright in all jurisdictions which recognize such a disclaimer. In such jurisdictions, this software is released into the Public Domain.

In jurisdictions which do not recognize Public Domain property (e.g. Germany as of 2010), this software is Copyright (c) 2007-2010 by Baptiste Lepilleur, and is released under the terms of the MIT License (see below).

In jurisdictions which recognize Public Domain property, the user of this software may choose to accept it either as 1) Public Domain, 2) under the conditions of the MIT License (see below), or 3) under the terms of dual Public Domain/MIT License conditions described here, as they choose.

The MIT License is about as close to Public Domain as a license can get, and is described in clear, concise terms at:

[http://en.wikipedia.org/wiki/MIT\\_License](http://en.wikipedia.org/wiki/MIT_License)

The full text of the MIT License follows:

```
=====  
Copyright (c) 2007-2010 Baptiste Lepilleur
```

Permission is hereby granted, free of charge, to any person

obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====  
(END LICENSE TEXT)

The MIT license is compatible with both the GPL and commercial software, affording one all of the rights of Public Domain with the minor nuisance of being required to keep the above copyright notice and license text in the source code. Note also that by accepting the Public Domain "license" you can re-license your copy using whatever license you like.

```
*/  
  
// //////////////////////////////////////  
// End of content of file: LICENSE  
// //////////////////////////////////////
```

```
>>>> m4  
#  
# LICENSE  
#  
# Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>  
# Copyright (c) 2012 Zack Weinberg <zackw@panix.com>  
# Copyright (c) 2013 Roy Stogner <roystgnr@ices.utexas.edu>  
# Copyright (c) 2014, 2015 Google Inc.; contributed by Alexey Sokolov <sokolov@google.com>  
# Copyright (c) 2015 Paul Norman <penorman@mac.com>  
# Copyright (c) 2015 Moritz Klammler <moritz@klammler.eu>  
# Copyright (c) 2016 Krzesimir Nowak <qdlacz@gmail.com>  
#  
# Copying and distribution of this file, with or without modification, are  
# permitted in any medium without royalty provided the copyright notice  
# and this notice are preserved. This file is offered as-is, without any  
# warranty.  
  
#  
# Copyright (c) 2008 Paolo Bonzini <bonzini@gnu.org>  
#  
# Copying and distribution of this file, with or without modification, are
```









# gives unlimited permission to copy and/or distribute it,  
# with or without modifications, as long as this notice is preserved.  
# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without  
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A  
# PARTICULAR PURPOSE.

COPYRIGHT TEXT:

\* Authors:  
\* Tim Dwyer <tgdwyer@gmail.com>  
\*  
\* Copyright (C) 2005 Authors  
\*  
\* This version is released under the CPL (Common Public License) with  
\* the Graphviz distribution.

COPYRIGHT TEXT:

\* Authors:  
\* Mark Allen Weiss  
\* Tim Dwyer <tgdwyer@gmail.com>  
\*  
\* Copyright (C) 2005 Authors  
\*  
\* This version is released under the CPL (Common Public License) with  
\* the Graphviz distribution.

COPYRIGHT TEXT:

## Copyright (C) 2003, 2004, 2005, 2007 Free Software Foundation, Inc.  
## Written by Gary V. Vaughan, 2003  
##  
## NOTE: The canonical source of this file is maintained with the  
## GNU Libtool package. Report bugs to bug-libtool@gnu.org.  
##  
## GNU Libltdl is free software; you can redistribute it and/or  
## modify it under the terms of the GNU Lesser General Public  
## License as published by the Free Software Foundation; either  
## version 2 of the License, or (at your option) any later version.  
##  
## As a special exception to the GNU Lesser General Public License,  
## if you distribute this file as part of a program or library that  
## is built using GNU libtool, you may include this file under the  
## same distribution terms that you use for the rest of that program.  
##  
## GNU Libltdl is distributed in the hope that it will be useful,  
## but WITHOUT ANY WARRANTY; without even the implied warranty of  
## MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
## GNU Lesser General Public License for more details.  
##  
## You should have received a copy of the GNU Lesser General Public  
## License along with GNU Libltdl; see the file COPYING.LIB. If not, a  
## copy can be downloaded from <http://www.gnu.org/licenses/lgpl.html>,  
## or obtained by writing to the Free Software Foundation, Inc.,  
## 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

COPYRIGHT TEXT:

/\* A Bison parser, made by GNU Bison 2.4.1. \*/

```
/* Skeleton interface for Bison's Yacc-like parsers in C
   Copyright (C) 1984, 1989, 1990, 2000, 2001, 2002, 2003, 2004, 2005, 2006
   Free Software Foundation, Inc.
   This program is free software: you can redistribute it and/or modify
   it under the terms of the GNU General Public License as published by
   the Free Software Foundation, either version 3 of the License, or
   (at your option) any later version.
   This program is distributed in the hope that it will be useful,
   but WITHOUT ANY WARRANTY; without even the implied warranty of
   MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
   GNU General Public License for more details.
   You should have received a copy of the GNU General Public License
   along with this program. If not, see <http://www.gnu.org/licenses/>. */
/* As a special exception, you may create a larger work that contains
   part or all of the Bison parser skeleton and distribute that work
   under terms of your choice, so long as that work isn't itself a
   parser generator using the skeleton or a modified version thereof
   as a parser skeleton. Alternatively, if you modify or redistribute
   the parser skeleton itself, you may (at your option) remove this
   special exception, which will cause the skeleton and the resulting
   Bison output files to be licensed under the GNU General Public
   License without this special exception.
   This special exception was added by the Free Software Foundation in
   version 2.2 of Bison. */
```

COPYRIGHT TEXT:

```
# Copyright 1991 by the Massachusetts Institute of Technology
#
# Permission to use, copy, modify, distribute, and sell this software and its
# documentation for any purpose is hereby granted without fee, provided that
# the above copyright notice appear in all copies and that both that
# copyright notice and this permission notice appear in supporting
# documentation, and that the name of M.I.T. not be used in advertising or
# publicity pertaining to distribution of the software without specific,
# written prior permission. M.I.T. makes no representations about the
# suitability of this software for any purpose. It is provided "as is"
# without express or implied warranty.
```

COPYRIGHT TEXT:

```
# Copyright (C) 1999-2006, 2007, 2008 Free Software Foundation, Inc.
# Written by Thomas Tanner, 1999
#
# This file is free software; the Free Software Foundation gives
# unlimited permission to copy and/or distribute it, with or without
# modifications, as long as this notice is preserved.
```

COPYRIGHT TEXT:

```
# Copyright (C) 2004, 2005, 2007 Free Software Foundation, Inc.
# Written by Scott James Remnant, 2004.
#
# This file is free software; the Free Software Foundation gives
# unlimited permission to copy and/or distribute it, with or without
# modifications, as long as this notice is preserved.
```

COPYRIGHT TEXT:

```
# Copyright (c) 2002 Cynthia Brewer, Mark Harrower, and The Pennsylvania
```

```
# State University. All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
# 1. Redistributions as source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# 2. The end-user documentation included with the redistribution, if any,
# must include the following acknowledgment:
#   This product includes color specifications and designs developed
#   by Cynthia Brewer (http://colorbrewer.org/).
# Alternately, this acknowledgment may appear in the software itself, if and
# wherever such third-party acknowledgments normally appear.
# 4. The name "ColorBrewer" must not be used to endorse or promote products
# derived from this software without prior written permission. For written
# permission, please contact Cynthia Brewer at cbrewer@psu.edu.
# 5. Products derived from this software may not be called "ColorBrewer", nor
# may "ColorBrewer" appear in their name, without prior written permission
# of Cynthia Brewer.
#
# THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
# FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CYNTHIA
# BREWER, MARK HARROWER, OR THE PENNSYLVANIA STATE UNIVERSITY BE LIABLE FOR
# ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
# DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
# CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
# OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
# OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

#### COPYRIGHT TEXT:

```
# Written by Gordon Matzigkeit <gord@gnu.ai.mit.edu>, 1996
# Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007 2008 Free Software Foundation, Inc.
# This is free software; see the source for copying conditions. There is NO
# warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
# GNU Libtool is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.
#
# As a special exception to the GNU General Public License,
# if you distribute this file as part of a program or library that
# is built using GNU Libtool, you may include this file under the
# same distribution terms that you use for the rest of that program.
#
# GNU Libtool is distributed in the hope that it will be useful, but
# WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with GNU Libtool; see the file COPYING. If not, a copy
# can be downloaded from http://www.gnu.org/licenses/gpl.html,
# or obtained by writing to the Free Software Foundation, Inc.,
# 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
```

COPYRIGHT TEXT:

```
/** Copyright (c) 1999-2009 Tatewake.com          **/
/**   **/
/** Permission is hereby granted, free of charge, to any person obtaining a copy  **/
/** of this software and associated documentation files (the "Software"), to deal  **/
/** in the Software without restriction, including without limitation the rights  **/
/** to use, copy, modify, merge, publish, distribute, sublicense, and/or sell    **/
/** copies of the Software, and to permit persons to whom the Software is      **/
/** furnished to do so, subject to the following conditions:                    **/
/**                                     **/
/** The above copyright notice and this permission notice shall be included in  **/
/** all copies or substantial portions of the Software.                        **/
/**                                     **/
/** THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  **/
/** IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,    **/
/** FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE **/
/** AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER     **/
/** LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM **/
/** OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  **/
/** THE SOFTWARE.
```

COPYRIGHT TEXT:

Copyright (C) Johan Van den Brande (johan@vandenbrande.com)

-----  
Parts of this code are from Maurice Smurlo.

```
** Copyright (C) Maurice Szmurlo --- T-SIT --- January 2000
** (Maurice.Szmurlo@info.unicaen.fr)
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
```

-----  
Parts of this code are inspired by 'pbmtowbmp.c' and 'wbmptopbm.c' by  
Terje Sannum <terje@looplab.com>.

```
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
```

COPYRIGHT TEXT:

```
# Copyright (C) 2004, 2005, 2007, 2008 Free Software Foundation, Inc.
# Written by Gary V. Vaughan, 2004
#
# This file is free software; the Free Software Foundation gives
# unlimited permission to copy and/or distribute it, with or without
# modifications, as long as this notice is preserved.
```

COPYRIGHT TEXT:

```
# Copyright (C) 2004, 2005, 2007, 2008 Free Software Foundation, Inc.
# Written by Gary V. Vaughan, 2004
#
```

# This file is free software; the Free Software Foundation gives  
# unlimited permission to copy and/or distribute it, with or without  
# modifications, as long as this notice is preserved.

COPYRIGHT TEXT:

# Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004,  
# 2005, 2006, 2007, 2008, 2009 Free Software Foundation, Inc.  
# This file is free software; the Free Software Foundation  
# gives unlimited permission to copy and/or distribute it,  
# with or without modifications, as long as this notice is preserved.  
# This program is distributed in the hope that it will be useful,  
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without  
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A  
# PARTICULAR PURPOSE.

COPYRIGHT TEXT:

\* (c) Copyright 1993, 1994, Silicon Graphics, Inc.  
\* ALL RIGHTS RESERVED  
\* Permission to use, copy, modify, and distribute this software for  
\* any purpose and without fee is hereby granted, provided that the above  
\* copyright notice appear in all copies and that both the copyright notice  
\* and this permission notice appear in supporting documentation, and that  
\* the name of Silicon Graphics, Inc. not be used in advertising  
\* or publicity pertaining to distribution of the software without specific,  
\* written prior permission.  
\*  
\* THE MATERIAL EMBODIED ON THIS SOFTWARE IS PROVIDED TO YOU "AS-IS"  
\* AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE,  
\* INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR  
\* FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SILICON  
\* GRAPHICS, INC. BE LIABLE TO YOU OR ANYONE ELSE FOR ANY DIRECT,  
\* SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY  
\* KIND, OR ANY DAMAGES WHATSOEVER, INCLUDING WITHOUT LIMITATION,  
\* LOSS OF PROFIT, LOSS OF USE, SAVINGS OR REVENUE, OR THE CLAIMS OF  
\* THIRD PARTIES, WHETHER OR NOT SILICON GRAPHICS, INC. HAS BEEN  
\* ADVISED OF THE POSSIBILITY OF SUCH LOSS, HOWEVER CAUSED AND ON  
\* ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE  
\* POSSESSION, USE OR PERFORMANCE OF THIS SOFTWARE.  
\*  
\* US Government Users Restricted Rights  
\* Use, duplication, or disclosure by the Government is subject to  
\* restrictions set forth in FAR 52.227.19(c)(2) or subparagraph  
\* (c)(1)(ii) of the Rights in Technical Data and Computer Software  
\* clause at DFARS 252.227-7013 and/or in similar or successor  
\* clauses in the FAR or the DOD or NASA FAR Supplement.  
\* Unpublished-- rights reserved under the copyright laws of the  
\* United States. Contractor/manufacturer is Silicon Graphics,  
\* Inc., 2011 N. Shoreline Blvd., Mountain View, CA 94039-7311.

COPYRIGHT TEXT:

# Copyright (C) 2004, 2005, 2006, 2007 Free Software Foundation, Inc.  
# Written by Gary V. Vaughan <gary@gnu.org>  
#  
# This file is free software; the Free Software Foundation gives  
# unlimited permission to copy and/or distribute it, with or without  
# modifications, as long as this notice is preserved.

**COPYRIGHT TEXT:**

```
/** Copyright (c) 1999-2009 Tatewake.com          **/  
/**   **/  
/** Permission is hereby granted, free of charge, to any person obtaining a copy  **/  
/** of this software and associated documentation files (the "Software"), to deal  **/  
/** in the Software without restriction, including without limitation the rights  **/  
/** to use, copy, modify, merge, publish, distribute, sublicense, and/or sell    **/  
/** copies of the Software, and to permit persons to whom the Software is      **/  
/** furnished to do so, subject to the following conditions:                    **/  
/**   **/  
/** The above copyright notice and this permission notice shall be included in  **/  
/** all copies or substantial portions of the Software.                        **/  
/**   **/  
/** THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  **/  
/** IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,    **/  
/** FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  **/  
/** AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER      **/  
/** LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, **/  
/** OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  **/  
/** THE SOFTWARE.
```

**COPYRIGHT TEXT:**

```
# (C) Copyright 2001 Diomidis Spinellis.  
#  
# Permission to use, copy, and distribute this software and its  
# documentation for any purpose and without fee is hereby granted,  
# provided that the above copyright notice appear in all copies and that  
# both that copyright notice and this permission notice appear in  
# supporting documentation.  
#  
# THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED  
# WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF  
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
```

**COPYRIGHT TEXT:**

```
/* LGPLd GNU regex for Native WIN32 */  
/* Part of the ht://Dig package <http://www.htdig.org/> */  
/* Copyright (c) 2003 The ht://Dig Group */  
/* For copyright details, see the file COPYING in your distribution */  
/* or the GNU Library General Public License (LGPL) version 2 or later or later */  
/* <http://www.gnu.org/copyleft/lgpl.html> */  
/* Added June 2003 Neal Richter, RightNow Technologies */  
/* note that this version is significantly different from the original */  
/* version 0.12 GNU source code. It compiles and works on Native WIN32. */  
/* Definitions for data structures and routines for the regular  
expression library, version 0.12.  
Copyright (C) 1985,89,90,91,92,93,95,96,97 Free Software Foundation, Inc.  
This file is part of the GNU C Library. Its master source is NOT part of  
the C library, however. The master source lives in /gd/gnu/lib.  
The GNU C Library is free software; you can redistribute it and/or  
modify it under the terms of the GNU Library General Public License as  
published by the Free Software Foundation; either version 2 of the  
License, or (at your option) any later version.  
The GNU C Library is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
```

Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with the GNU C Library; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA. \*/

COPYRIGHT TEXT:

```
/* #define DEBUG */
/* LGPLd GNU regex for Native WIN32 */
/* Part of the ht://Dig package <http://www.htdig.org/> */
/* Copyright (c) 2003 The ht://Dig Group */
/* For copyright details, see the file COPYING in your distribution */
/* or the GNU Library General Public License (LGPL) version 2 or later or later */
/* <http://www.gnu.org/copyleft/lgpl.html> */
/* Added June 2003 Neal Richter, RightNow Technologies */
/* note that this version is significantly different from the original */
/* version 0.12 GNU source code. It compiles and works on Native WIN32. */
/* Extended regular expression matching and search library,
version 0.12.
```

(Implements POSIX draft P1003.2/D11.2, except for some of the internationalization features.)

Copyright (C) 1993, 1994, 1995, 1996, 1997 Free Software Foundation, Inc.

This file is part of the GNU C Library. Its master source is NOT part of the C library, however. The master source lives in /gd/gnu/lib.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with the GNU C Library; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA. \*/

COPYRIGHT TEXT:

```
# Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2003, 2004, 2005,
# 2006, 2007, 2008 Free Software Foundation, Inc.
# Written by Gordon Matzigkeit, 1996
#
# This file is free software; the Free Software Foundation gives
# unlimited permission to copy and/or distribute it, with or without
# modifications, as long as this notice is preserved.
```

COPYRIGHT TEXT:

Copyright (C) 1999, 2000, 2002 Aladdin Enterprises. All rights reserved.

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software

















OR NONINFRINGEMENT.

5. **LIMITATION OF LIABILITY.** IN NO EVENT SHALL ORACLE BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR DATA USE, INCURRED BY YOU OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF ORACLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ORACLE'S ENTIRE LIABILITY FOR DAMAGES HEREUNDER SHALL IN NO EVENT EXCEED ONE THOUSAND DOLLARS (U.S. \$1,000).

6. **TERMINATION.** This Agreement is effective until terminated. You may terminate this Agreement at any time by destroying all copies of Software. This Agreement will terminate immediately without notice from Oracle if you fail to comply with any provision of this Agreement. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right. Upon termination, you must destroy all copies of Software.

7. **EXPORT REGULATIONS.** You agree that U.S. export control laws and other applicable export and import laws govern your use of the Software, including technical data; additional information can be found on Oracle's Global Trade Compliance web site (<http://www.oracle.com/us/products/export>). You agree that neither the Software nor any direct product thereof will be exported, directly, or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation.

8. **TRADEMARKS AND LOGOS.** You acknowledge and agree as between you and Oracle that Oracle owns the ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations ("Oracle Marks"), and you agree to comply with the Third Party Usage Guidelines for Oracle Trademarks currently located at <http://www.oracle.com/us/legal/third-party-trademarks/index.html> . Any use you make of the Oracle Marks inures to Oracle's benefit.

9. **U.S. GOVERNMENT LICENSE RIGHTS.** If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation shall be only those set forth in this Agreement.

10. **GOVERNING LAW.** This agreement is governed by the substantive and procedural laws of California. You and Oracle agree to submit to the exclusive jurisdiction of, and venue in, the courts of San Francisco, or Santa Clara counties in California in any dispute arising out of or relating to this agreement.

11. **SEVERABILITY.** If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

12. **INTEGRATION.** This Agreement is the entire agreement between you and Oracle relating to its subject matter. It supersedes all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement. No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

## SUPPLEMENTAL LICENSE TERMS

These Supplemental License Terms add to or modify the terms of the Binary Code License Agreement. Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Binary Code License Agreement. These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Binary Code License Agreement, or in any license contained within the Software.

A. **COMMERCIAL FEATURES.** You may not use the Commercial Features for running Programs, Java applets or applications in your internal business operations or for any commercial or production purpose, or for any purpose other than



as set forth in Sections B, C, D and E of these Supplemental Terms. If You want to use the Commercial Features for any purpose other than as permitted in this Agreement, You must obtain a separate license from Oracle.

**B. SOFTWARE INTERNAL USE FOR DEVELOPMENT LICENSE GRANT.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File incorporated herein by reference, including, but not limited to the Java Technology Restrictions of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce internally and use internally the Software complete and unmodified for the purpose of designing, developing, and testing your Programs.

**C. LICENSE TO DISTRIBUTE SOFTWARE.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File, including, but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute the Software, provided that (i) you distribute the Software complete and unmodified and only bundled as part of, and for the sole purpose of running, your Programs, (ii) the Programs add significant and primary functionality to the Software, (iii) you do not distribute additional software intended to replace any component(s) of the Software, (iv) you do not remove or alter any proprietary legends or notices contained in the Software, (v) you only distribute the Software subject to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in this Agreement and that includes the notice set forth in Section H, and (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section C does not extend to the Software identified in Section G.

**D. LICENSE TO DISTRIBUTE REDISTRIBUTABLES.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File, including but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute those files specifically identified as redistributable in the README File ("Redistributables") provided that: (i) you distribute the Redistributables complete and unmodified, and only bundled as part of Programs, (ii) the Programs add significant and primary functionality to the Redistributables, (iii) you do not distribute additional software intended to supersede any component(s) of the Redistributables (unless otherwise specified in the applicable README File), (iv) you do not remove or alter any proprietary legends or notices contained in or on the Redistributables, (v) you only distribute the Redistributables pursuant to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in the Agreement and includes the notice set forth in Section H, (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section D does not extend to the Software identified in Section G.

**E. DISTRIBUTION BY PUBLISHERS.** This section pertains to your distribution of the Java™ SE Development Kit Software ("JDK") with your printed book or magazine (as those terms are commonly used in the industry) relating to Java technology ("Publication"). Subject to and conditioned upon your compliance with the restrictions and obligations contained in the Agreement, Oracle hereby grants to you a non-exclusive, nontransferable limited right to reproduce complete and unmodified copies of the JDK on electronic media (the "Media") for the sole purpose of inclusion and distribution with your Publication(s), subject to the following terms: (i) You may not distribute the JDK on a stand-alone basis; it must be distributed with your Publication(s); (ii) You are responsible for downloading the JDK from the applicable Oracle web site; (iii) You must refer to the JDK as Java™ SE Development Kit; (iv) The JDK must be reproduced in its entirety and without any modification whatsoever (including with respect to all proprietary notices) and distributed with your Publication subject to a license agreement that is a complete, unmodified reproduction of this Agreement; (v) The Media label shall include the following information: "Copyright [YEAR], Oracle America, Inc. All rights reserved. Use is subject to license terms. ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations are trademarks or registered trademarks of Oracle in the U.S. and other countries." [YEAR] is the year of Oracle's release of the Software; the year information can typically be found in the Software's "About" box or screen. This information must be placed on the Media label in such a manner as to only apply to the JDK; (vi) You must clearly identify the JDK as Oracle's product on the Media holder or Media label, and you may not state or imply that Oracle is responsible for any third-party software contained on the Media; (vii) You may not include any third party software on the Media which is intended to be a replacement or substitute for the JDK; (viii) You agree to defend and indemnify Oracle and

its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of the JDK and/or the Publication; ; and (ix) You shall provide Oracle with a written notice for each Publication; such notice shall include the following information: (1) title of Publication, (2) author(s), (3) date of Publication, and (4) ISBN or ISSN numbers. Such notice shall be sent to Oracle America, Inc., 500 Oracle Parkway, Redwood Shores, California 94065 U.S.A , Attention: General Counsel.

F. JAVA TECHNOLOGY RESTRICTIONS. You may not create, modify, or change the behavior of, or authorize your licensees to create, modify, or change the behavior of, classes, interfaces, or subpackages that are in any way identified as "java", "javax", "sun", "oracle" or similar convention as specified by Oracle in any naming convention designation.

G. LIMITATIONS ON REDISTRIBUTION. You may not redistribute or otherwise transfer patches, bug fixes or updates made available by Oracle through Oracle Premier Support, including those made available under Oracle's Java SE Support program.

H. COMMERCIAL FEATURES NOTICE. For purpose of complying with Supplemental Term Section C.(v)(b) and D.(v)(b), your license agreement shall include the following notice, where the notice is displayed in a manner that anyone using the Software will see the notice:

Use of the Commercial Features for any commercial or production purpose requires a separate license from Oracle. "Commercial Features" means those features identified Table 1-1 (Commercial Features In Java SE Product Editions) of the Java SE documentation accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>

I. SOURCE CODE. Software may contain source code that, unless expressly licensed for other purposes, is provided solely for reference purposes pursuant to the terms of this Agreement. Source code may not be redistributed unless expressly provided for in this Agreement.

J. THIRD PARTY CODE. Additional copyright notices and license terms applicable to portions of the Software are set forth in the THIRDPARTYLICENSEREADME file accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>. In addition to any terms and conditions of any third party opensource/freeware license identified in the THIRDPARTYLICENSEREADME file, the disclaimer of warranty and limitation of liability provisions in paragraphs 4 and 5 of the Binary Code License Agreement shall apply to all Software in this distribution.

K. TERMINATION FOR INFRINGEMENT. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right.

L. INSTALLATION AND AUTO-UPDATE. The Software's installation and auto-update processes transmit a limited amount of data to Oracle (or its service provider) about those specific processes to help Oracle understand and optimize them. Oracle does not associate the data with personally identifiable information. You can find more information about the data Oracle collects as a result of your Software download at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>.

For inquiries please contact: Oracle America, Inc., 500 Oracle Parkway,

Redwood Shores, California 94065, USA.

Last updated 02 April 2013

////////////////////////////////////

The following copyright notices and license terms apply to certain files in the above-referenced JDK

Copyright (c) 2000-2011 France TÃ©lÃ©com  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

////////////////////////////////////

Copyright 2003-2005 Colin Percival  
Copyright (c) 1995-2005 The Cryptix Foundation Limited  
All rights reserved

Redistribution and use in source and binary forms, with or without modification, are permitted providing that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

////////////////////////////////////

Copyright 1999 by CoolServlets.com.

Any errors or suggested improvements to this class can be reported as instructed on CoolServlets.com. We hope you enjoy this program... your comments will encourage further development! This software is distributed under the terms of the BSD License. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither name of CoolServlets.com nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY COOLSERVLETS.COM AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE."

////////////////////////////////////

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

////////////////////////////////////

### W3C SOFTWARE NOTICE AND LICENSE

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following

license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

- 1.The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
- 2.Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
- 3.Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS,COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to [site-policy@w3.org](mailto:site-policy@w3.org).

////////////////////////////////////

Copyright (c) 2009-2013, Attila Szegedi

All rights reserved.Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. \* Redistributions in binary form must reproduce the above copyright notice, this list of

conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. \* Neither the name of Attila Szegedi nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

////////////////////////////////////

This notice is provided with respect to Elliptic Curve Cryptography, which may be included with JRE 8, JDK 8, and OpenJDK 8.

You are receiving a copy of the Elliptic Curve Cryptography library in source form with the JDK 8 and OpenJDK 8 source distributions, and as object code in the JRE 8 & JDK 8 runtimes.

In the case of the JRE 8 & JDK 8 runtimes, the terms of the Oracle license do NOT apply to the Elliptic Curve Cryptography library; it is licensed under the LGPL version 2.1 a copy of which is set forth in Part 4 below, separately from Oracle's JDK & JRE. If you do not wish to install the Elliptic Curve Cryptography library, you may delete the library named libsunc.so (on Solaris and Linux systems) or sunec.dll (on Windows systems) from the JRE bin directory reserved for native libraries.

////////////////////////////////////

Copyright © 2011 Ecma International  
Ecma International  
Rue du Rhone 114  
CH-1204 Geneva  
Tel: +41 22 849 6000  
Fax: +41 22 849 6001  
Web: <http://www.ecma-international.org>

This document and possible translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published, and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this section are included on all such copies and derivative works. However, this document itself may not be modified in any way, including by removing the copyright notice or references to Ecma International, except as needed for the purpose of developing any document or deliverable produced by Ecma International (in which case the rules applied to copyrights must be followed) or as required to translate it into languages other than English. The limited permissions granted above are perpetual and will not be revoked by Ecma International or its successors or assigns. This document and the information contained herein is provided on an "AS IS" basis and ECMA INTERNATIONAL DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR

PURPOSE." Software License

All Software contained in this document ("Software") is protected by copyright and is being made available under the "BSD License", included below. This Software may be subject to third party rights (rights from parties other than Ecma International), including patent rights, and no licenses under such third party rights are granted under this license even if the third party concerned is a member of Ecma International. SEE THE ECMA CODE OF CONDUCT IN PATENT MATTERS AVAILABLE AT <http://www.ecma-international.org/memento/codeofconduct.htm> FOR INFORMATION REGARDING THE LICENSING OF PATENT CLAIMS THAT ARE REQUIRED TO IMPLEMENT ECMA INTERNATIONAL STANDARDS\*. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the authors nor Ecma International may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE ECMA INTERNATIONAL "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ECMA INTERNATIONAL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

////////////////////////////////////

This notice is provided with respect to Joni library which is included with the Nashorn technology:  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

////////////////////////////////////

Copyright © 2001,2003 Keith Packard

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Keith Packard not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Keith Packard makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

////////////////////////////////////

IAIK PKCS#11 Wrapper License

Copyright (c) 2002 Graz University of Technology. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by IAIK of Graz University of Technology."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Graz University of Technology" and "IAIK of Graz University of Technology" must not be used to endorse or promote products derived from this software without prior written permission.
5. Products derived from this software may not be called "IAIK PKCS Wrapper", nor may "IAIK" appear in their name, without prior written permission of Graz University of Technology.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY,



OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

////////////////////////////////////

This software is copyright (C) 1991-1998, Thomas G. Lane.  
All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

////////////////////////////////////

This notice is provided with respect to Joni v1.1.9:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

**SOFTWARE.**

////////////////////////////////////

Copyright (c) 2004-2009 Paul R. Holser, Jr.  
Copyright (c) 2007 The Khronos Group Inc.  
Copyright (c) 1998-2011 Marti Maria Saguer  
Copyright (C) 1999-2002 Brian Paul  
Copyright (c) Kohsuke Kawaguchi  
Copyright (c) 2012 Sparkle.org and Andy Matuschak

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

////////////////////////////////////

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

////////////////////////////////////

(C) Copyright IBM Corp. 1999 All Rights Reserved.  
Copyright 1997 The Open Group Research Institute. All rights reserved.

////////////////////////////////////

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

////////////////////////////////////

This notice is provided with respect to libpng 1.6.16:  
This code is released under the libpng license  
Copyright (c) 2000-2006 Glenn Randers-Pehrson  
Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.  
Copyright (c) 1996, 1997 Andreas Dilger  
Copyright (C) 1982 The Royal Institute, Thai Royal Government.

Copyright (C) 1998 National Electronics and Computer Technology Center,  
National Science and Technology Development Agency,  
Ministry of Science Technology and Environment,  
Thai Royal Government.

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not

be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

////////////////////////////////////

This notice is provided with respect to Mozilla Network Security Services (NSS). It is licensed under Mozilla Public License (MPL), version 2.0. See Part 4 below.

////////////////////////////////////

Copyright (c) 1999-2004 David Corcoran <corcoran@linuxnet.com>  
Copyright (c) 1999-2004 Ludovic Rousseau <ludovic.rousseau (at) free.fr>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:  
This product includes software developed by:  
David Corcoran <corcoran@linuxnet.com>  
<http://www.linuxnet.com> (MUSCLE)
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

Changes to this license can be made only by the copyright author with explicit written consent.

**THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

////////////////////////////////////

This notice is provided with respect to PorterStemmer v4:  
The software is completely free for any purpose, unless notes at the head of the program text indicates otherwise (which is rare). In any case, the notes

about licensing are never more restrictive than the BSD License.

In every case where the software is not written by me (Martin Porter), this licensing arrangement has been endorsed by the contributor, and it is therefore unnecessary to ask the contributor again to confirm it.

I have not asked any contributors (or their employers, if they have them) for proofs that they have the right to distribute their software in this way.

////////////////////////////////////

This notice is provided with respect to RelaxNGCC v1.12:  
Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by Daisuke Okajima and Kohsuke Kawaguchi (<http://relaxngcc.sf.net/>)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact the copyright holders.
5. Products derived from this software may not be called "RELAXNGCC", nor may "RELAXNGCC" appear in their name, without prior written permission of the copyright holders.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

////////////////////////////////////

SAX is free!

In fact, it's not possible to own a license to SAX, since it's been placed in

the public domain.

### No Warranty

Because SAX is released to the public domain, there is no warranty for the design or for the software implementation, to the extent permitted by applicable law. Except when otherwise stated in writing the copyright holders and/or other parties provide SAX "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of SAX is with you. Should SAX prove defective, you assume the cost of all necessary servicing, repair or correction.

In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who may modify and/or redistribute SAX, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use SAX (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the SAX to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

### Copyright Disclaimers

This page includes statements to that effect by David Megginson, who would have been able to claim copyright for the original work. SAX 1.0

Version 1.0 of the Simple API for XML (SAX), created collectively by the membership of the XML-DEV mailing list, is hereby released into the public domain.

No one owns SAX: you may use it freely in both commercial and non-commercial applications, bundle it with your software distribution, include it on a CD-ROM, list the source code in a book, mirror the documentation at your own web site, or use it in any other way you see fit.

David Megginson, sax@megginson.com  
1998-05-11

### SAX 2.0

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com  
2000-05-05

////////////////////////////////////

Use of any of this software is governed by the terms of the license below:

SoftFloat was written by me, John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially

provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek.

THIS SOFTWARE IS DISTRIBUTED AS IS, FOR FREE. Although reasonable effort has been made to avoid it, THIS SOFTWARE MAY CONTAIN FAULTS THAT WILL AT TIMES RESULT IN INCORRECT BEHAVIOR. USE OF THIS SOFTWARE IS RESTRICTED TO PERSONS AND ORGANIZATIONS WHO CAN AND WILL TAKE FULL RESPONSIBILITY FOR ALL LOSSES, COSTS, OR OTHER PROBLEMS THEY INCUR DUE TO THE SOFTWARE, AND WHO FURTHERMORE EFFECTIVELY INDEMNIFY JOHN HAUSER AND THE INTERNATIONAL COMPUTER SCIENCE INSTITUTE (possibly via similar legal warning) AGAINST ALL LOSSES, COSTS, OR OTHER PROBLEMS INCURRED BY THEIR CUSTOMERS AND CLIENTS DUE TO THE SOFTWARE.

Derivative works are acceptable, even for commercial purposes, provided that the minimal documentation requirements stated in the source code are satisfied.

////////////////////////////////////

## Unicode Terms of Use

For the general privacy policy governing access to this site, see the Unicode Privacy Policy. For trademark usage, see the Unicode® Consortium Name and Trademark Usage Policy.

### A. Unicode Copyright.

1. Copyright © 1991-2013 Unicode, Inc. All rights reserved.
2. Certain documents and files on this website contain a legend indicating that "Modification is permitted." Any person is hereby authorized, without fee, to modify such documents and files to create derivative works conforming to the Unicode® Standard, subject to Terms and Conditions herein.
3. Any person is hereby authorized, without fee, to view, use, reproduce, and distribute all documents and files solely for informational purposes in the creation of products supporting the Unicode Standard, subject to the Terms and Conditions herein.
4. Further specifications of rights and restrictions pertaining to the use of the particular set of data files known as the "Unicode Character Database" can be found in Exhibit 1.
5. Each version of the Unicode Standard has further specifications of rights and restrictions of use. For the book editions (Unicode 5.0 and earlier), these are found on the back of the title page. The online code charts carry specific restrictions. All other files, including online documentation of the core specification for Unicode 6.0 and later, are covered under these general Terms of Use.
6. No license is granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site.
7. Modification is not permitted with respect to this document. All copies of this document must be verbatim.

B. Restricted Rights Legend. Any technical data or software which is licensed to the United States of America, its agencies and/or instrumentalities under this Agreement is commercial technical data or commercial computer software developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June 1995), as applicable. For technical data, use, duplication, or disclosure by the Government is subject to restrictions as set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agreement. For Software, in accordance with FAR 12-212 or DFARS 227-7202, as applicable, use, duplication or disclosure by the Government is subject to the restrictions set forth in this Agreement.

C. Warranties and Disclaimers.

1. This publication and/or website may include technical or typographical errors or other inaccuracies . Changes are periodically added to the information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.
2. If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.
3. EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

D. Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

E. Trademarks & Logos.

1. The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. ~~â€œThe Unicode Consortiumâ€~~ and ~~â€œUnicode, Inc.â€~~ are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.â€™s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.
2. The Unicode Consortium Name and Trademark Usage Policy (~~â€œTrademark Policyâ€~~ ) are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.
3. All third party trademarks referenced herein are the property of their respective owners.

Miscellaneous.



1. **Jurisdiction and Venue.** This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.
2. **Modification by Unicode.** Unicode shall have the right to modify this Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicode's prior written consent.
3. **Taxes.** The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicode's net income.
4. **Severability.** If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in effect.
5. **Entire Agreement.** This Agreement constitutes the entire agreement between the parties.

## EXHIBIT 1

### UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>. Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>. Software includes any source code published in the Unicode Standard or under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>.

**NOTICE TO USER:** Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

### COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2012 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without

limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

Unicode and the Unicode logo are trademarks of Unicode, Inc. in the United States and other countries. All third party trademarks referenced herein are the property of their respective owners.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to UPX v3.01, which may be included with JRE 8 on Windows.

--- begin of LICENSE ---

Use of any of this software is governed by the terms of the license below:

```
00000 000 000000000. 0000000 00000
`888' `8'`888 `Y88. `8888 d8'
888 8 888 .d88' Y888..8P
888 8 88800088P' `8888'
888 8 888 .8PY888.
`88. .8' 888 d8' `888b
`YbodP' o888o o888o o88888o
```

The Ultimate Packer for eXecutables  
Copyright (c) 1996-2000 Markus Oberhumer & Laszlo Molnar  
<http://wildsau.idv.uni-linz.ac.at/mfx/upx.html>  
<http://www.nexus.hu/upx>  
<http://upx.tsx.org>

PLEASE CAREFULLY READ THIS LICENSE AGREEMENT, ESPECIALLY IF YOU PLAN TO MODIFY THE UPX SOURCE CODE OR USE A MODIFIED UPX VERSION.

## ABSTRACT

=====

UPX and UCL are copyrighted software distributed under the terms of the GNU General Public License (hereinafter the "GPL").

The stub which is imbedded in each UPX compressed program is part of UPX and UCL, and contains code that is under our copyright. The terms of the GNU General Public License still apply as compressing a program is a special form of linking with our stub.

As a special exception we grant the free usage of UPX for all executables, including commercial programs.  
See below for details and restrictions.

## COPYRIGHT

=====

UPX and UCL are copyrighted software. All rights remain with the authors.

UPX is Copyright (C) 1996-2000 Markus Franz Xaver Johannes Oberhumer  
UPX is Copyright (C) 1996-2000 Laszlo Molnar

UCL is Copyright (C) 1996-2000 Markus Franz Xaver Johannes Oberhumer

## GNU GENERAL PUBLIC LICENSE

=====

UPX and the UCL library are free software; you can redistribute them and/or modify them under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

UPX and UCL are distributed in the hope that they will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; see the file COPYING.

## SPECIAL EXCEPTION FOR COMPRESSED EXECUTABLES

=====

The stub which is imbedded in each UPX compressed program is part of UPX and UCL, and contains code that is under our copyright. The terms of the GNU General Public License still apply as compressing a program is a special form of linking with our stub.

Hereby Markus F.X.J. Oberhumer and Laszlo Molnar grant you special permission to freely use and distribute all UPX compressed programs (including commercial ones), subject to the following restrictions:

1. You must compress your program with a completely unmodified UPX version; either with our precompiled version, or (at your option) with a self compiled version of the unmodified UPX sources as distributed by us.
2. This also implies that the UPX stub must be completely unmodified, i.e. the stub imbedded in your compressed program must be byte-identical to the stub that is produced by the official unmodified UPX version.
3. The decompressor and any other code from the stub must exclusively get used by the unmodified UPX stub for decompressing your program at program startup. No portion of the stub may get read, copied, called or otherwise get used or accessed by your program.

## ANNOTATIONS

=====

- You can use a modified UPX version or modified UPX stub only for programs that are compatible with the GNU General Public License.
- We grant you special permission to freely use and distribute all UPX compressed programs. But any modification of the UPX stub (such as, but not limited to, removing our copyright string or making your program non-decompressible) will immediately revoke your right to use and distribute a UPX compressed program.
- UPX is not a software protection tool; by requiring that you use the unmodified UPX version for your proprietary programs we make sure that any user can decompress your program. This protects both you and your users as nobody can hide malicious code - any program that cannot be decompressed is highly suspicious by definition.
- You can integrate all or part of UPX and UCL into projects that are compatible with the GNU GPL, but obviously you cannot grant any special exceptions beyond the GPL for our code in your project.
- We want to actively support manufacturers of virus scanners and similar security software. Please contact us if you would like to incorporate parts of UPX or UCL into such a product.

Markus F.X.J. Oberhumer                      Laszlo Molnar  
markus.oberhumer@jk.uni-linz.ac.at      ml1050@cdata.tvnet.hu

Linz, Austria, 25 Feb 2000

Additional License(s)

The UPX license file is at <http://upx.sourceforge.net/upx-license.html>.

////////////////////////////////////

Version 1.1 of XFree86 ProjectLicence.

Copyright (C) 1994-2004 The XFree86 Project, Inc. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so,subject to the following conditions:

1. Redistributions of source code must retain the above copyright notice,this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution, and in the same place and form as other copyright, license and disclaimer information.
3. The end-user documentation included with the redistribution, if any,must include the following acknowledgment: "This product includes software developed by The XFree86 Project, Inc (<http://www.xfree86.org/>) and its contributors", in the same place and form as other third-party acknowledgments. Alternately, this acknowledgment may appear in the software itself, in the same form and location as other such third-party acknowledgments.
4. Except as contained in this notice, the name of The XFree86 Project,Inc shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The XFree86 Project, Inc.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE XFREE86 PROJECT, INC OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

////////////////////////////////////

The X.Org Foundation March 2004

## 1. Introduction

The X.org Foundation X Window System distribution is a compilation of code and documentation from many sources. This document is intended primarily as a guide to the licenses used in the distribution: you must check each file and/or package for precise redistribution terms. None-the-less, this summary may be useful to many users. No software incorporating the XFree86 1.1 license has been incorporated.

This document is based on the compilation from XFree86.

## 2. XFree86 License

XFree86 code without an explicit copyright is covered by the following copyright/license:

Copyright (C) 1994-2003 The XFree86 Project, Inc. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE XFREE86 PROJECT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the XFree86 Project shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the XFree86 Project.

## 3. Other Licenses

Portions of code are covered by the following licenses/copyrights. See individual files for the copyright dates.

### 3.1. X/MIT Copyrights

#### 3.1.1. X Consortium

Copyright (C) <date> X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION

WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

X Window System is a trademark of X Consortium, Inc.

### 3.1.2. The Open Group

Copyright <date> The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group. 3.2. Berkeley-based copyrights:

o

#### 3.2.1. General

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.2. UCB/LBL

Copyright (c) 1993 The Regents of the University of California. All rights reserved.

This software was developed by the Computer Systems Engineering group at Lawrence Berkeley Laboratory under DARPA contract BG 91-66 and contributed to Berkeley.

All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Lawrence Berkeley Laboratory.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.3. The NetBSD Foundation, Inc.

Copyright (c) 2003 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Ben Collver <collver1@attbi.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright



notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the NetBSD Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.4. Theodore Ts'o.

Copyright Theodore Ts'o, 1994, 1995, 1996, 1997, 1998, 1999. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.5. Theo de Raadt and Damien Miller

Copyright (c) 1995, 1999 Theo de Raadt. All rights reserved. Copyright (c) 2001-2002 Damien Miller. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.6. Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. 3.2.7. Thomas Winischhofer

Copyright (C) 2001-2004 Thomas Winischhofer

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.3. NVIDIA Corp

Copyright (c) 1996 NVIDIA, Corp. All rights reserved.

NOTICE TO USER: The source code is copyrighted under U.S. and international laws. NVIDIA, Corp. of Sunnyvale, California owns the copyright and as design patents pending on the design and interface of the NV chips. Users and possessors of this source code are hereby granted a nonexclusive, royalty-free copyright and design patent license to use this code in individual and commercial software.

Any use of this source code must include, in the user documentation and internal comments to the code, notices to the end user as follows:

Copyright (c) 1996 NVIDIA, Corp. NVIDIA design patents pending in the U.S. and foreign countries.

NVIDIA, CORP. MAKES NO REPRESENTATION ABOUT THE SUITABILITY OF THIS SOURCE CODE FOR ANY PURPOSE. IT IS PROVIDED "AS IS" WITHOUT EXPRESS OR IMPLIED WARRANTY OF ANY KIND. NVIDIA, CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOURCE CODE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL NVIDIA, CORP. BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOURCE CODE. 3.4. GLX Public License

GLX PUBLIC LICENSE (Version 1.0 (2/11/99)) ("License")

Subject to any third party claims, Silicon Graphics, Inc. ("SGI") hereby grants permission to Recipient (defined below), under Recipient's copyrights in the Original Software (defined below), to use, copy, modify, merge, publish, distribute, sublicense and/or sell copies of Subject Software (defined below), and to permit persons to whom the Subject Software is furnished in accordance with this License to do the same, subject to all of the following terms and conditions, which Recipient accepts by engaging in any such use, copying, modifying, merging, publishing, distributing, sublicensing or selling:

#### 1. Definitions.

(a) "Original Software" means source code of computer software code which is described in Exhibit A as Original Software.

(b) "Modifications" means any addition to or deletion from the substance or structure of either the Original Software or any previous Modifications. When Subject Software is released as a series of files, a Modification means (i) any addition to or deletion from the contents of a file containing Original Software or previous Modifications and (ii) any new file that contains any part of the Original Code or previous Modifications.

(c) "Subject Software" means the Original Software or Modifications or the combination of the Original Software and Modifications, or portions of any

of the foregoing.

(d) "Recipient" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "Recipient" includes any entity which controls, is controlled by, or is under common control with Recipient. For purposes of this definition, "control" of an entity means (a) the power, direct or indirect, to direct or manage such entity, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Redistribution of Source Code Subject to These Terms. Redistributions of Subject Software in source code form must retain the notice set forth in Exhibit A, below, in every file. A copy of this License must be included in any documentation for such Subject Software where the recipients' rights relating to Subject Software are described. Recipient may distribute the source code version of Subject Software under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, and (ii) the license terms include this Section 2 and Sections 3, 4, 7, 8, 10, 12 and 13 of this License, which terms may not be modified or superseded by any other terms of such license. If Recipient distributes the source code version under a different license Recipient must make it absolutely clear that any terms which differ from this License are offered by Recipient alone, not by SGI. Recipient hereby agrees to indemnify SGI for any liability incurred by SGI as a result of any such terms Recipient offers.

3. Redistribution in Executable Form. The notice set forth in Exhibit A must be conspicuously included in any notice in an executable version of Subject Software, related documentation or collateral in which Recipient describes the user's rights relating to the Subject Software. Recipient may distribute the executable version of Subject Software under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, and (ii) the license terms include this Section 3 and Sections 4, 7, 8, 10, 12 and 13 of this License, which terms may not be modified or superseded by any other terms of such license. If Recipient distributes the executable version under a different license Recipient must make it absolutely clear that any terms which differ from this License are offered by Recipient alone, not by SGI. Recipient hereby agrees to indemnify SGI for any liability incurred by SGI as a result of any such terms Recipient offers.

4. Termination. This License and the rights granted hereunder will terminate automatically if Recipient fails to comply with terms herein and fails to cure such breach within 30 days of the breach. Any sublicense to the Subject Software which is properly granted shall survive any termination of this License absent termination by the terms of such sublicense. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

5. No Trademark Rights. This License does not grant any rights to use any trade name, trademark or service mark whatsoever. No trade name, trademark or service mark of SGI may be used to endorse or promote products derived from the Subject Software without prior written permission of SGI.

6. No Other Rights. This License does not grant any rights with respect to the

OpenGL API or to any software or hardware implementation thereof or to any other software whatsoever, nor shall any other rights or licenses not expressly granted hereunder arise by implication, estoppel or otherwise with respect to the Subject Software. Title to and ownership of the Original Software at all times remains with SGI. All rights in the Original Software not expressly granted under this License are reserved.

7. Compliance with Laws; Non-Infringement. Recipient shall comply with all applicable laws and regulations in connection with use and distribution of the Subject Software, including but not limited to, all export and import control laws and regulations of the U.S. government and other countries. Recipient may not distribute Subject Software that (i) in any way infringes (directly or contributorily) the rights (including patent, copyright, trade secret, trademark or other intellectual property rights of any kind) of any other person or entity or (ii) breaches any representation or warranty, express, implied or statutory, which under any applicable law it might be deemed to have been distributed.

8. Claims of Infringement. If Recipient at any time has knowledge of any one or more third party claims that reproduction, modification, use, distribution, import or sale of Subject Software (including particular functionality or code incorporated in Subject Software) infringes the third party's intellectual property rights, Recipient must place in a well-identified web page bearing the title "LEGAL" a description of each such claim and a description of the party making each such claim in sufficient detail that a user of the Subject Software will know whom to contact regarding the claim. Also, upon gaining such knowledge of any such claim, Recipient must conspicuously include the URL for such web page in the Exhibit A notice required under Sections 2 and 3, above, and in the text of any related documentation, license agreement or collateral in which Recipient describes end user's rights relating to the Subject Software. If Recipient obtains such knowledge after it makes Subject Software available to any other person or entity, Recipient shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Subject Software that new knowledge has been obtained.

9. DISCLAIMER OF WARRANTY. SUBJECT SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE SUBJECT SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON- INFRINGING. SGI ASSUMES NO RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE. SHOULD ANY SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, SGI ASSUMES NO COST OR LIABILITY FOR ANY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY SUBJECT SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

10. LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY), CONTRACT, OR OTHERWISE, SHALL SGI OR ANY SGI LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, LOSS OF DATA, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SGI'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT

ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO RECIPIENT.

11. Indemnity. Recipient shall be solely responsible for damages arising, directly or indirectly, out of its utilization of rights under this License. Recipient will defend, indemnify and hold harmless Silicon Graphics, Inc. from and against any loss, liability, damages, costs or expenses (including the payment of reasonable attorneys fees) arising out of Recipient's use, modification, reproduction and distribution of the Subject Software or out of any representation or warranty made by Recipient.

12. U.S. Government End Users. The Subject Software is a "commercial item" consisting of "commercial computer software" as such terms are defined in title 48 of the Code of Federal Regulations and all U.S. Government End Users acquire only the rights set forth in this License and are subject to the terms of this License.

13. Miscellaneous. This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed so as to achieve as nearly as possible the same economic effect as the original provision and the remainder of this License will remain in effect. This License shall be governed by and construed in accordance with the laws of the United States and the State of California as applied to agreements entered into and to be performed entirely within California between California residents. Any litigation relating to this License shall be subject to the exclusive jurisdiction of the Federal Courts of the Northern District of California (or, absent subject matter jurisdiction in such courts, the courts of the State of California), with venue lying exclusively in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

#### Exhibit A

The contents of this file are subject to Sections 2, 3, 4, 7, 8, 10, 12 and 13 of the GLX Public License Version 1.0 (the "License"). You may not use this file except in compliance with those sections of the License. You may obtain a copy of the License at Silicon Graphics, Inc., attn: Legal Services, 2011 N. Shoreline Blvd., Mountain View, CA 94043 or at <http://www.sgi.com/software/opensource/glx/license.html>.

Software distributed under the License is distributed on an "AS IS" basis. ALL WARRANTIES ARE DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NON-INFRINGEMENT. See the License for the specific language governing rights and limitations under the License.

The Original Software is GLX version 1.2 source code, released February, 1999. The developer of the Original Software is Silicon Graphics, Inc. Those portions of the Subject Software created by Silicon Graphics, Inc. are Copyright (c) 1991-9 Silicon Graphics, Inc. All Rights Reserved. 3.5. CID Font Code Public License

## CID FONT CODE PUBLIC LICENSE (Version 1.0 (3/31/99))("License")

Subject to any applicable third party claims, Silicon Graphics, Inc. ("SGI") hereby grants permission to Recipient (defined below), under SGI's copyrights in the Original Software (defined below), to use, copy, modify, merge, publish, distribute, sublicense and/or sell copies of Subject Software (defined below) in both source code and executable form, and to permit persons to whom the Subject Software is furnished in accordance with this License to do the same, subject to all of the following terms and conditions, which Recipient accepts by engaging in any such use, copying, modifying, merging, publication, distributing, sublicensing or selling:

### 1. Definitions.

a. "Original Software" means source code of computer software code that is described in Exhibit A as Original Software.

b. "Modifications" means any addition to or deletion from the substance or structure of either the Original Software or any previous Modifications. When Subject Software is released as a series of files, a Modification means (i) any addition to or deletion from the contents of a file containing Original Software or previous Modifications and (ii) any new file that contains any part of the Original Code or previous Modifications.

c. "Subject Software" means the Original Software or Modifications or the combination of the Original Software and Modifications, or portions of any of the foregoing.

d. "Recipient" means an individual or a legal entity exercising rights under the terms of this License. For legal entities, "Recipient" includes any entity that controls, is controlled by, or is under common control with Recipient. For purposes of this definition, "control" of an entity means (i) the power, direct or indirect, to direct or manage such entity, or (ii) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

e. "Required Notice" means the notice set forth in Exhibit A to this License.

f. "Accompanying Technology" means any software or other technology that is not a Modification and that is distributed or made publicly available by Recipient with the Subject Software. Separate software files that do not contain any Original Software or any previous Modification shall not be deemed a Modification, even if such software files are aggregated as part of a product, or in any medium of storage, with any file that does contain Original Software or any previous Modification.

2. License Terms. All distribution of the Subject Software must be made subject to the terms of this License. A copy of this License and the Required Notice must be included in any documentation for Subject Software where Recipient's rights relating to Subject Software and/or any Accompanying Technology are described. Distributions of Subject Software in source code form must also include the Required Notice in every file distributed. In addition, a ReadMe file entitled "Important Legal Notice" must be distributed with each distribution of one or more files that incorporate Subject Software.

That file must be included with distributions made in both source code and executable form. A copy of the License and the Required Notice must be included in that file. Recipient may distribute Accompanying Technology under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, (ii) such other license terms do not modify or supersede the terms of this License as applicable to the Subject Software, (iii) Recipient hereby indemnifies SGI for any liability incurred by SGI as a result of the distribution of Accompanying Technology or the use of other license terms.

3. Termination. This License and the rights granted hereunder will terminate automatically if Recipient fails to comply with terms herein and fails to cure such breach within 30 days of the breach. Any sublicense to the Subject Software that is properly granted shall survive any termination of this License absent termination by the terms of such sublicense. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

4. Trademark Rights. This License does not grant any rights to use any trade name, trademark or service mark whatsoever. No trade name, trademark or service mark of SGI may be used to endorse or promote products derived from or incorporating any Subject Software without prior written permission of SGI.

5. No Other Rights. No rights or licenses not expressly granted hereunder shall arise by implication, estoppel or otherwise. Title to and ownership of the Original Software at all times remains with SGI. All rights in the Original Software not expressly granted under this License are reserved.

6. Compliance with Laws; Non-Infringement. Recipient shall comply with all applicable laws and regulations in connection with use and distribution of the Subject Software, including but not limited to, all export and import control laws and regulations of the U.S. government and other countries. Recipient may not distribute Subject Software that (i) in any way infringes (directly or contributorily) the rights (including patent, copyright, trade secret, trademark or other intellectual property rights of any kind) of any other person or entity, or (ii) breaches any representation or warranty, express, implied or statutory, which under any applicable law it might be deemed to have been distributed.

7. Claims of Infringement. If Recipient at any time has knowledge of any one or more third party claims that reproduction, modification, use, distribution, import or sale of Subject Software (including particular functionality or code incorporated in Subject Software) infringes the third party's intellectual property rights, Recipient must place in a well-identified web page bearing the title "LEGAL" a description of each such claim and a description of the party making each such claim in sufficient detail that a user of the Subject Software will know whom to contact regarding the claim. Also, upon gaining such knowledge of any such claim, Recipient must conspicuously include the URL for such web page in the Required Notice, and in the text of any related documentation, license agreement or collateral in which Recipient describes end user's rights relating to the Subject Software. If Recipient obtains such knowledge after it makes Subject Software available to any other person or entity, Recipient shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to provide such knowledge to those who received the Subject Software.



8. **DISCLAIMER OF WARRANTY.** SUBJECT SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE SUBJECT SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. SGI ASSUMES NO RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE. SHOULD ANY SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, SGI ASSUMES NO COST OR LIABILITY FOR ANY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY SUBJECT SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

9. **LIMITATION OF LIABILITY.** UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY), CONTRACT, OR OTHERWISE, SHALL SGI OR ANY SGI LICENSOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SUBJECT SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SUBJECT SOFTWARE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF CERTAIN DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO RECIPIENT TO THE EXTENT SO DISALLOWED.

10. **Indemnity.** Recipient shall be solely responsible for damages arising, directly or indirectly, out of its utilization of rights under this License. Recipient will defend, indemnify and hold SGI and its successors and assigns harmless from and against any loss, liability, damages, costs or expenses (including the payment of reasonable attorneys fees) arising out of (Recipient's use, modification, reproduction and distribution of the Subject Software or out of any representation or warranty made by Recipient.

11. **U.S. Government End Users.** The Subject Software is a "commercial item" consisting of "commercial computer software" as such terms are defined in title 48 of the Code of Federal Regulations and all U.S. Government End Users acquire only the rights set forth in this License and are subject to the terms of this License.

12. **Miscellaneous.** This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable by any judicial or administrative authority having proper jurisdiction with respect thereto, such provision shall be reformed so as to achieve as nearly as possible the same economic effect as the original provision and the remainder of this License will remain in effect. This License shall be governed by and construed in accordance with the laws of the United States and the State of California as applied to agreements entered into and to be performed entirely within California between California residents. Any litigation relating to this License shall be subject to the exclusive jurisdiction of the Federal Courts of the Northern District of California (or, absent subject matter jurisdiction in such courts, the courts of the State of California), with venue lying exclusively in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation that provides that the language of a contract shall be construed against the drafter shall not apply to this License.

Exhibit A

Copyright (c) 1994-1999 Silicon Graphics, Inc.

The contents of this file are subject to the CID Font Code Public License Version 1.0 (the "License"). You may not use this file except in compliance with the License. You may obtain a copy of the License at Silicon Graphics, Inc., attn: Legal Services, 2011 N. Shoreline Blvd., Mountain View, CA 94043 or at <http://www.sgi.com/software/opensource/cid/license.html>

Software distributed under the License is distributed on an "AS IS" basis. ALL WARRANTIES ARE DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NON-INFRINGEMENT. See the License for the specific language governing rights and limitations under the License.

The Original Software (as defined in the License) is CID font code that was developed by Silicon Graphics, Inc. Those portions of the Subject Software (as defined in the License) that were created by Silicon Graphics, Inc. are Copyright (c) 1994-1999 Silicon Graphics, Inc. All Rights Reserved.

[NOTE: When using this text in connection with Subject Software delivered solely in object code form, Recipient may replace the words "this file" with "this software" in both the first and second sentences.] 3.6. Bitstream Vera Fonts Copyright

The fonts have a generous copyright, allowing derivative works (as long as "Bitstream" or "Vera" are not in the names), and full redistribution (so long as they are not \*sold\* by themselves). They can be bundled, redistributed and sold with any software.

The fonts are distributed under the following copyright:

Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org. 3.7. Bigelow & Holmes Inc and URW++ GmbH Luxi font license

Luxi fonts copyright (c) 2001 by Bigelow & Holmes Inc. Luxi font instruction code copyright (c) 2001 by URW++ GmbH. All Rights Reserved. Luxi is a registered trademark of Bigelow & Holmes Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of these Fonts and associated documentation files (the "Font Software"), to deal in the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, sublicense, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software.

The Font Software may not be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may not be modified nor may additional glyphs or characters be added to the Fonts. This License becomes null and void when the Fonts or Font Software have been modified.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BIGELOW & HOLMES INC. OR URW++ GMBH. BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Bigelow & Holmes Inc. and URW++ GmbH. shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Bigelow & Holmes Inc. and URW++ GmbH.

For further information, contact:

info@urwpp.de or design@bigelowandholmes.com

////////////////////////////////////



## Oracle Binary Code License Agreement for the Java SE Platform Products and JavaFX

ORACLE AMERICA, INC. ("ORACLE"), FOR AND ON BEHALF OF ITSELF AND ITS SUBSIDIARIES AND AFFILIATES UNDER COMMON CONTROL, IS WILLING TO LICENSE THE SOFTWARE TO YOU ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS BINARY CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE TERMS (COLLECTIVELY "AGREEMENT"). PLEASE READ THE AGREEMENT CAREFULLY. BY SELECTING THE "ACCEPT LICENSE AGREEMENT" (OR THE EQUIVALENT) BUTTON AND/OR BY USING THE SOFTWARE YOU ACKNOWLEDGE THAT YOU HAVE READ THE TERMS AND AGREE TO THEM. IF YOU ARE AGREEING TO THESE TERMS ON BEHALF OF A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT THAT YOU HAVE THE LEGAL AUTHORITY TO BIND THE LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT HAVE SUCH AUTHORITY, OR IF YOU DO NOT WISH TO BE BOUND BY THE TERMS, THEN SELECT THE "DECLINE LICENSE AGREEMENT" (OR THE EQUIVALENT) BUTTON AND YOU MUST NOT USE THE SOFTWARE ON THIS SITE OR ANY OTHER MEDIA ON WHICH THE SOFTWARE IS CONTAINED.

1. **DEFINITIONS.** "Software" means the software identified above in binary form that you selected for download, install or use (in the version You selected for download, install or use) from Oracle or its authorized licensees, any other machine readable materials (including, but not limited to, libraries, source files, header files, and data files), any updates or error corrections provided by Oracle, and any user manuals, programming guides and other documentation provided to you by Oracle under this Agreement. "General Purpose Desktop Computers and Servers" means computers, including desktop and laptop computers, or servers, used for general computing functions under end user control (such as but not specifically limited to email, general purpose Internet browsing, and office suite productivity tools). The use of Software in systems and solutions that provide dedicated functionality (other than as mentioned above) or designed for use in embedded or function-specific software applications, for example but not limited to: Software embedded in or bundled with industrial control systems, wireless mobile telephones, wireless handheld devices, kiosks, TV/STB, Blu-ray Disc devices, telematics and network control switching equipment, printers and storage management systems, and other related systems are excluded from this definition and not licensed under this Agreement. "Programs" means (a) Java technology applets and applications intended to run on the Java Platform, Standard Edition platform on Java-enabled General Purpose Desktop Computers and Servers; and (b) JavaFX technology applications intended to run on the JavaFX Runtime on JavaFX-enabled General Purpose Desktop Computers and Servers. "Commercial Features" means those features identified in Table 1-1 (Commercial Features In Java SE Product Editions) of the Java SE documentation accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>. "README File" means the README file for the Software accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>.

2. **LICENSE TO USE.** Subject to the terms and conditions of this Agreement including, but not limited to, the Java Technology Restrictions of the Supplemental License Terms, Oracle grants you a non-exclusive, non-transferable, limited license without license fees to reproduce and use internally the Software complete and unmodified for the sole purpose of running Programs. THE LICENSE SET FORTH IN THIS SECTION 2 DOES NOT EXTEND TO THE COMMERCIAL FEATURES. YOUR RIGHTS AND OBLIGATIONS RELATED TO THE COMMERCIAL FEATURES ARE AS SET FORTH IN THE SUPPLEMENTAL TERMS ALONG WITH ADDITIONAL LICENSES FOR DEVELOPERS AND PUBLISHERS.

3. **RESTRICTIONS.** Software is copyrighted. Title to Software and all associated intellectual property rights is retained by Oracle and/or its licensors. Unless enforcement is prohibited by applicable law, you may not modify, decompile, or reverse engineer Software. You acknowledge that the Software is developed for general use in a variety of information management applications; it is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use the Software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle disclaims any express or implied warranty of fitness for such uses. No right, title or interest in or to any trademark, service mark, logo or trade name of Oracle or its licensors is granted under this Agreement. Additional restrictions for developers and/or publishers licenses are set forth in the Supplemental License Terms.

4. **DISCLAIMER OF WARRANTY.** THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. ORACLE FURTHER DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT.

5. **LIMITATION OF LIABILITY.** IN NO EVENT SHALL ORACLE BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR DATA USE, INCURRED BY YOU OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF ORACLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ORACLE'S ENTIRE LIABILITY FOR DAMAGES HEREUNDER SHALL IN NO EVENT EXCEED ONE THOUSAND DOLLARS (U.S. \$1,000).

6. **TERMINATION.** This Agreement is effective until terminated. You may terminate this Agreement at any time by destroying all copies of Software. This Agreement will terminate immediately without notice from Oracle if you fail to comply with any provision of this Agreement. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right. Upon termination, you must destroy all copies of Software.

7. **EXPORT REGULATIONS.** You agree that U.S. export control laws and other applicable export and import laws govern your use of the Software, including technical data; additional information can be found on Oracle's Global Trade Compliance web site (<http://www.oracle.com/products/export>). You agree that neither the Software nor any direct product thereof will be exported, directly, or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation.

8. **TRADEMARKS AND LOGOS.** You acknowledge and agree as between you and Oracle that Oracle owns the ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations ("Oracle Marks"), and you agree to comply with the Third Party Usage Guidelines for Oracle Trademarks currently located at <http://www.oracle.com/us/legal/third-party-trademarks/index.html> . Any use you make of the Oracle Marks inures to Oracle's benefit.

9. **U.S. GOVERNMENT LICENSE RIGHTS.** If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation shall be only those set forth in this Agreement.

10. **GOVERNING LAW.** This agreement is governed by the substantive and procedural laws of California. You and Oracle agree to submit to the exclusive jurisdiction of, and venue in, the courts of San Francisco, or Santa Clara counties in California in any dispute arising out of or relating to this agreement.

11. **SEVERABILITY.** If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

12. **INTEGRATION.** This Agreement is the entire agreement between you and Oracle relating to its subject matter. It supersedes all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement. No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

## SUPPLEMENTAL LICENSE TERMS

These Supplemental License Terms add to or modify the terms of the Binary Code License Agreement. Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Binary Code License Agreement. These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Binary Code License Agreement, or in any license contained within the Software.

A. **COMMERCIAL FEATURES.** You may not use the Commercial Features for running Programs, Java applets or applications in your internal business operations or for any commercial or production purpose, or for any purpose other than as set forth in Sections B, C, D and E of these Supplemental Terms. If You want to use the Commercial Features for any purpose other than as permitted in this Agreement, You must obtain a separate license from Oracle.

**B. SOFTWARE INTERNAL USE FOR DEVELOPMENT LICENSE GRANT.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File incorporated herein by reference, including, but not limited to the Java Technology Restrictions of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce internally and use internally the Software complete and unmodified for the purpose of designing, developing, and testing your Programs.

**C. LICENSE TO DISTRIBUTE SOFTWARE.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File, including, but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute the Software, provided that (i) you distribute the Software complete and unmodified and only bundled as part of, and for the sole purpose of running, your Programs, (ii) the Programs add significant and primary functionality to the Software, (iii) you do not distribute additional software intended to replace any component(s) of the Software, (iv) you do not remove or alter any proprietary legends or notices contained in the Software, (v) you only distribute the Software subject to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in this Agreement and that includes the notice set forth in Section H, and (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section C does not extend to the Software identified in Section G.

**D. LICENSE TO DISTRIBUTE REDISTRIBUTABLES.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File, including but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute those files specifically identified as redistributable in the README File ("Redistributables") provided that: (i) you distribute the Redistributables complete and unmodified, and only bundled as part of Programs, (ii) the Programs add significant and primary functionality to the Redistributables, (iii) you do not distribute additional software intended to supersede any component(s) of the Redistributables (unless otherwise specified in the applicable README File), (iv) you do not remove or alter any proprietary legends or notices contained in or on the Redistributables, (v) you only distribute the Redistributables pursuant to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in the Agreement and includes the notice set forth in Section H, (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section D does not extend to the Software identified in Section G.

**E. DISTRIBUTION BY PUBLISHERS.** This section pertains to your distribution of the Java™ SE Development Kit Software ("JDK") with your printed book or magazine (as those terms are commonly used in the industry) relating to Java technology ("Publication"). Subject to and conditioned upon your compliance with the restrictions and obligations contained in the Agreement, Oracle hereby grants to you a non-exclusive, nontransferable limited right to reproduce complete and unmodified copies of the JDK on electronic media (the "Media") for the sole purpose of inclusion and distribution with your Publication(s), subject to the following terms: (i) You may not distribute the JDK on a stand-alone basis; it must be distributed with your Publication(s); (ii) You are responsible for downloading the JDK from the applicable Oracle web site; (iii) You must refer to the JDK as Java™ SE Development Kit; (iv) The JDK must be reproduced in its entirety and without any modification whatsoever (including with respect to all proprietary notices) and distributed with your Publication subject to a license agreement that is a complete, unmodified reproduction of this Agreement; (v) The Media label shall include the following information: "Copyright [YEAR], Oracle America, Inc. All rights reserved. Use is subject to license terms. ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations are trademarks or registered trademarks of Oracle in the U.S. and other countries." [YEAR] is the year of Oracle's release of the Software; the year information can typically be found in the Software's "About" box or screen. This information must be placed on the Media label in such a manner as to only apply to the JDK; (vi) You must clearly identify the JDK as Oracle's product on the Media holder or Media label, and you may not state or imply that Oracle is responsible for any third-party software contained on the Media; (vii) You may not include any third party software on the Media which is intended to be a replacement or substitute for the JDK; (viii) You agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of the JDK

and/or the Publication; ; and (ix) You shall provide Oracle with a written notice for each Publication; such notice shall include the following information: (1) title of Publication, (2) author(s), (3) date of Publication, and (4) ISBN or ISSN numbers. Such notice shall be sent to Oracle America, Inc., 500 Oracle Parkway, Redwood Shores, California 94065 U.S.A , Attention: General Counsel.

**F. JAVA TECHNOLOGY RESTRICTIONS.** You may not create, modify, or change the behavior of, or authorize your licensees to create, modify, or change the behavior of, classes, interfaces, or subpackages that are in any way identified as "java", "javax", "sun", "oracle" or similar convention as specified by Oracle in any naming convention designation.

**G. LIMITATIONS ON REDISTRIBUTION.** You may not redistribute or otherwise transfer patches, bug fixes or updates made available by Oracle through Oracle Premier Support, including those made available under Oracle's Java SE Support program.

**H. COMMERCIAL FEATURES NOTICE.** For purpose of complying with Supplemental Term Section C.(v)(b) and D.(v)(b), your license agreement shall include the following notice, where the notice is displayed in a manner that anyone using the Software will see the notice:

Use of the Commercial Features for any commercial or production purpose requires a separate license from Oracle. "Commercial Features" means those features identified Table 1-1 (Commercial Features In Java SE Product Editions) of the Java SE documentation accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>

**I. SOURCE CODE.** Software may contain source code that, unless expressly licensed for other purposes, is provided solely for reference purposes pursuant to the terms of this Agreement. Source code may not be redistributed unless expressly provided for in this Agreement.

**J. THIRD PARTY CODE.** Additional copyright notices and license terms applicable to portions of the Software are set forth in the THIRDPARTYLICENSEREADME file accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>. In addition to any terms and conditions of any third party opensource/freeware license identified in the THIRDPARTYLICENSEREADME file, the disclaimer of warranty and limitation of liability provisions in paragraphs 4 and 5 of the Binary Code License Agreement shall apply to all Software in this distribution.

**K. TERMINATION FOR INFRINGEMENT.** Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right.

**L. INSTALLATION AND AUTO-UPDATE.** The Software's installation and auto-update processes transmit a limited amount of data to Oracle (or its service provider) about those specific processes to help Oracle understand and optimize them. Oracle does not associate the data with personally identifiable information. You can find more information about the data Oracle collects as a result of your Software download at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>.

For inquiries please contact: Oracle America, Inc., 500 Oracle Parkway,  
Redwood Shores, California 94065, USA.

Last updated 02 April 2013





in the Supplemental License Terms.

4. **DISCLAIMER OF WARRANTY.** THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. ORACLE FURTHER DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT.

5. **LIMITATION OF LIABILITY.** IN NO EVENT SHALL ORACLE BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR DATA USE, INCURRED BY YOU OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF ORACLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ORACLE'S ENTIRE LIABILITY FOR DAMAGES HEREUNDER SHALL IN NO EVENT EXCEED ONE THOUSAND DOLLARS (U.S. \$1,000).

6. **TERMINATION.** This Agreement is effective until terminated. You may terminate this Agreement at any time by destroying all copies of Software. This Agreement will terminate immediately without notice from Oracle if you fail to comply with any provision of this Agreement. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right. Upon termination, you must destroy all copies of Software.

7. **EXPORT REGULATIONS.** You agree that U.S. export control laws and other applicable export and import laws govern your use of the Software, including technical data; additional information can be found on Oracle's Global Trade Compliance web site (<http://www.oracle.com/us/products/export>). You agree that neither the Software nor any direct product thereof will be exported, directly, or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation.

8. **TRADEMARKS AND LOGOS.** You acknowledge and agree as between you and Oracle that Oracle owns the ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations ("Oracle Marks"), and you agree to comply with the Third Party Usage Guidelines for Oracle Trademarks currently located at <http://www.oracle.com/us/legal/third-party-trademarks/index.html>. Any use you make of the Oracle Marks inures to Oracle's benefit.

9. **U.S. GOVERNMENT LICENSE RIGHTS.** If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation shall be only those set forth in this Agreement.

10. **GOVERNING LAW.** This agreement is governed by the substantive and procedural laws of California. You and Oracle agree to submit to the exclusive jurisdiction of, and venue in, the courts of San Francisco, or Santa Clara counties in California in any dispute arising out of or relating to this agreement.

11. **SEVERABILITY.** If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

12. **INTEGRATION.** This Agreement is the entire agreement between you and Oracle relating to its subject matter. It supersedes all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement. No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

## SUPPLEMENTAL LICENSE TERMS

These Supplemental License Terms add to or modify the terms of the Binary Code License Agreement. Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Binary Code License Agreement. These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Binary Code License Agreement, or in any license contained within the Software.

**A. COMMERCIAL FEATURES.** You may not use the Commercial Features for running Programs, Java applets or applications in your internal business operations or for any commercial or production purpose, or for any purpose other than as set forth in Sections B, C, D and E of these Supplemental Terms. If You want to use the Commercial Features for any purpose other than as permitted in this Agreement, You must obtain a separate license from Oracle.

**B. SOFTWARE INTERNAL USE FOR DEVELOPMENT LICENSE GRANT.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the Java SE LIUM incorporated herein by reference, including, but not limited to the Java Technology Restrictions of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce internally and use internally the Software complete and unmodified for the purpose of designing, developing, and testing your Programs.

**C. LICENSE TO DISTRIBUTE SOFTWARE.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the Java SE LIUM, including, but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute the Software, provided that (i) you distribute the Software complete and unmodified and only bundled as part of, and for the sole purpose of running, your Programs, (ii) the Programs add significant and primary functionality to the Software, (iii) you do not distribute additional software intended to replace any component(s) of the Software, (iv) you do not remove or alter any proprietary legends or notices contained in the Software, (v) you only distribute the Software subject to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in this Agreement and that includes the notice set forth in Section H, and (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section C does not extend to the Software identified in Section G.

**D. LICENSE TO DISTRIBUTE REDISTRIBUTABLES.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the Java SE LIUM, including but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute those files specifically identified as redistributable in the Java SE LIUM ("Redistributables") provided that: (i) you distribute the Redistributables complete and unmodified, and only bundled as part of Programs, (ii) the Programs add significant and primary functionality to the Redistributables, (iii) you do not distribute additional software intended to supersede any component(s) of the Redistributables (unless otherwise specified in the applicable Java SE LIUM), (iv) you do not remove or alter any proprietary legends or notices contained in or on the Redistributables, (v) you only distribute the Redistributables pursuant to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in the Agreement and includes the notice set forth in Section H, (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section D does not extend to the Software identified in Section G.

**E. DISTRIBUTION BY PUBLISHERS.** This section pertains to your distribution of the Java™ SE Development Kit Software ("JDK") with your printed book or magazine (as those terms are commonly used in the industry) relating to Java technology ("Publication"). Subject to and conditioned upon your compliance with the restrictions and obligations contained in the Agreement, Oracle hereby grants to you a non-exclusive, nontransferable limited right to reproduce complete and unmodified copies of the JDK on electronic media (the "Media") for the sole purpose of inclusion and distribution with your Publication(s), subject to the following terms: (i) You may not distribute the JDK on a stand-alone basis; it must be distributed with your Publication(s); (ii) You are responsible for downloading the JDK from the applicable Oracle web site; (iii) You must refer to the JDK as Java™ SE Development Kit; (iv) The JDK must be reproduced in its entirety and without any modification whatsoever (including with respect to all proprietary notices) and distributed with your Publication subject to a license agreement that is a complete, unmodified reproduction of this Agreement; (v) The Media label shall include the following information: "Copyright [YEAR], Oracle America, Inc. All rights reserved. Use is subject to license terms. ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations are trademarks or registered trademarks of Oracle in the U.S. and other countries." [YEAR] is the year of Oracle's release of the Software; the year information can typically be found in the Software's "About" box or screen. This information must be placed on the Media label in such a manner as to only apply to the JDK; (vi) You must clearly identify the JDK as Oracle's product on the Media holder or Media label, and you may not state or imply that Oracle is responsible for

any third-party software contained on the Media; (vii) You may not include any third party software on the Media which is intended to be a replacement or substitute for the JDK; (viii) You agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of the JDK and/or the Publication; ; and (ix) You shall provide Oracle with a written notice for each Publication; such notice shall include the following information: (1) title of Publication, (2) author(s), (3) date of Publication, and (4) ISBN or ISSN numbers. Such notice shall be sent to Oracle America, Inc., 500 Oracle Parkway, Redwood Shores, California 94065 U.S.A , Attention: General Counsel.

**F. JAVA TECHNOLOGY RESTRICTIONS.** You may not create, modify, or change the behavior of, or authorize your licensees to create, modify, or change the behavior of, classes, interfaces, or subpackages that are in any way identified as "java", "javax", "sun", "oracle" or similar convention as specified by Oracle in any naming convention designation.

**G. LIMITATIONS ON REDISTRIBUTION.** You may not redistribute or otherwise transfer patches, bug fixes or updates made available by Oracle through Oracle Premier Support, including those made available under Oracle's Java SE Support program.

**H. COMMERCIAL FEATURES NOTICE.** For purpose of complying with Supplemental Term Section C.(v)(b) and D.(v)(b), your license agreement shall include the following notice, where the notice is displayed in a manner that anyone using the Software will see the notice:

Use of the Commercial Features for any commercial or production purpose requires a separate license from Oracle. "Commercial Features" means those features that are identified as such in the Licensing Information User Manual "Oracle Java SE and Oracle Java Embedded Products Document, accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>, under the "Description of Product Editions and Permitted Features" section.

**I. SOURCE CODE.** Software may contain source code that, unless expressly licensed for other purposes, is provided solely for reference purposes pursuant to the terms of this Agreement. Source code may not be redistributed unless expressly provided for in this Agreement.

**J. THIRD PARTY CODE.** Additional copyright notices and license terms applicable to portions of the Software are set forth in the Java SE LIUM accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>. In addition to any terms and conditions of any third party opensource/freeware license identified in the Java SE LIUM, the disclaimer of warranty and limitation of liability provisions in paragraphs 4 and 5 of the Binary Code License Agreement shall apply to all Software in this distribution.

**K. TERMINATION FOR INFRINGEMENT.** Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right.

**L. INSTALLATION AND AUTO-UPDATE.** The Software's installation and auto-update processes transmit a limited amount of data to Oracle (or its service provider) about those specific processes to help Oracle understand and optimize them. Oracle does not associate the data with personally identifiable information. You can find more information about the data Oracle collects as a result of your Software download at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>.

For inquiries please contact: Oracle America, Inc., 500 Oracle Parkway,

Redwood Shores, California 94065, USA.

Last updated 21 September 2017

/////

Portions of the above referenced code are copyrighted by the following named parties; for further copyright and license details, see <http://www.oracle.com/technetwork/java/javase/documentation/index.html>:



ORACLE AMERICA, INC. ("ORACLE"), FOR AND ON BEHALF OF ITSELF AND ITS SUBSIDIARIES AND AFFILIATES UNDER COMMON CONTROL, IS WILLING TO LICENSE THE SOFTWARE TO YOU ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS BINARY CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE TERMS (COLLECTIVELY "AGREEMENT"). PLEASE READ THE AGREEMENT CAREFULLY. BY SELECTING THE "ACCEPT LICENSE AGREEMENT" (OR THE EQUIVALENT) BUTTON AND/OR BY USING THE SOFTWARE YOU ACKNOWLEDGE THAT YOU HAVE READ THE TERMS AND AGREE TO THEM. IF YOU ARE AGREEING TO THESE TERMS ON BEHALF OF A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT THAT YOU HAVE THE LEGAL AUTHORITY TO BIND THE LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT HAVE SUCH AUTHORITY, OR IF YOU DO NOT WISH TO BE BOUND BY THE TERMS, THEN SELECT THE "DECLINE LICENSE AGREEMENT" (OR THE EQUIVALENT) BUTTON AND YOU MUST NOT USE THE SOFTWARE ON THIS SITE OR ANY OTHER MEDIA ON WHICH THE SOFTWARE IS CONTAINED.

1. **DEFINITIONS.** "Software" means the software identified above in binary form that you selected for download, install or use (in the version You selected for download, install or use) from Oracle or its authorized licensees, any other machine readable materials (including, but not limited to, libraries, source files, header files, and data files), any updates or error corrections provided by Oracle, and any user manuals, programming guides and other documentation provided to you by Oracle under this Agreement. "General Purpose Desktop Computers and Servers" means computers, including desktop and laptop computers, or servers, used for general computing functions under end user control (such as but not specifically limited to email, general purpose Internet browsing, and office suite productivity tools). The use of Software in systems and solutions that provide dedicated functionality (other than as mentioned above) or designed for use in embedded or function-specific software applications, for example but not limited to: Software embedded in or bundled with industrial control systems, wireless mobile telephones, wireless handheld devices, kiosks, TV/STB, Blu-ray Disc devices, telematics and network control switching equipment, printers and storage management systems, and other related systems are excluded from this definition and not licensed under this Agreement. "Programs" means (a) Java technology applets and applications intended to run on the Java Platform, Standard Edition platform on Java-enabled General Purpose Desktop Computers and Servers; and (b) JavaFX technology applications intended to run on the JavaFX Runtime on JavaFX-enabled General Purpose Desktop Computers and Servers. "Commercial Features" means those features identified in Table 1-1 (Commercial Features In Java SE Product Editions) of the Java SE documentation accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>. "README File" means the README file for the Software accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>.

2. **LICENSE TO USE.** Subject to the terms and conditions of this Agreement including, but not limited to, the Java Technology Restrictions of the Supplemental License Terms, Oracle grants you a non-exclusive, non-transferable, limited license without license fees to reproduce and use internally the Software complete and unmodified for the sole purpose of running Programs. THE LICENSE SET FORTH IN THIS SECTION 2 DOES NOT EXTEND TO THE COMMERCIAL FEATURES. YOUR RIGHTS AND OBLIGATIONS RELATED TO THE COMMERCIAL FEATURES ARE AS SET FORTH IN THE SUPPLEMENTAL TERMS ALONG WITH ADDITIONAL LICENSES FOR DEVELOPERS AND PUBLISHERS.

3. **RESTRICTIONS.** Software is copyrighted. Title to Software and all associated intellectual property rights is retained by Oracle and/or its licensors. Unless enforcement is prohibited by applicable law, you may not modify, decompile, or reverse engineer Software. You acknowledge that the Software is developed for general use in a variety of information management applications; it is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use the Software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle disclaims any express or implied warranty of fitness for such uses. No right, title or interest in or to any trademark, service mark, logo or trade name of Oracle or its licensors is granted under this Agreement. Additional restrictions for developers and/or publishers licenses are set forth in the Supplemental License Terms.

4. **DISCLAIMER OF WARRANTY.** THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. ORACLE FURTHER DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT.

5. **LIMITATION OF LIABILITY.** IN NO EVENT SHALL ORACLE BE LIABLE FOR ANY INDIRECT, INCIDENTAL,

SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR DATA USE, INCURRED BY YOU OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF ORACLE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ORACLE'S ENTIRE LIABILITY FOR DAMAGES HEREUNDER SHALL IN NO EVENT EXCEED ONE THOUSAND DOLLARS (U.S. \$1,000).

6. **TERMINATION.** This Agreement is effective until terminated. You may terminate this Agreement at any time by destroying all copies of Software. This Agreement will terminate immediately without notice from Oracle if you fail to comply with any provision of this Agreement. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right. Upon termination, you must destroy all copies of Software.

7. **EXPORT REGULATIONS.** You agree that U.S. export control laws and other applicable export and import laws govern your use of the Software, including technical data; additional information can be found on Oracle's Global Trade Compliance web site (<http://www.oracle.com/products/export>). You agree that neither the Software nor any direct product thereof will be exported, directly, or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation.

8. **TRADEMARKS AND LOGOS.** You acknowledge and agree as between you and Oracle that Oracle owns the ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations ("Oracle Marks"), and you agree to comply with the Third Party Usage Guidelines for Oracle Trademarks currently located at <http://www.oracle.com/us/legal/third-party-trademarks/index.html> . Any use you make of the Oracle Marks inures to Oracle's benefit.

9. **U.S. GOVERNMENT LICENSE RIGHTS.** If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation shall be only those set forth in this Agreement.

10. **GOVERNING LAW.** This agreement is governed by the substantive and procedural laws of California. You and Oracle agree to submit to the exclusive jurisdiction of, and venue in, the courts of San Francisco, or Santa Clara counties in California in any dispute arising out of or relating to this agreement.

11. **SEVERABILITY.** If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

12. **INTEGRATION.** This Agreement is the entire agreement between you and Oracle relating to its subject matter. It supersedes all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement. No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

## SUPPLEMENTAL LICENSE TERMS

These Supplemental License Terms add to or modify the terms of the Binary Code License Agreement. Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Binary Code License Agreement. These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Binary Code License Agreement, or in any license contained within the Software.

A. **COMMERCIAL FEATURES.** You may not use the Commercial Features for running Programs, Java applets or applications in your internal business operations or for any commercial or production purpose, or for any purpose other than as set forth in Sections B, C, D and E of these Supplemental Terms. If You want to use the Commercial Features for any purpose other than as permitted in this Agreement, You must obtain a separate license from Oracle.

**B. SOFTWARE INTERNAL USE FOR DEVELOPMENT LICENSE GRANT.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File incorporated herein by reference, including, but not limited to the Java Technology Restrictions of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce internally and use internally the Software complete and unmodified for the purpose of designing, developing, and testing your Programs.

**C. LICENSE TO DISTRIBUTE SOFTWARE.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File, including, but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute the Software, provided that (i) you distribute the Software complete and unmodified and only bundled as part of, and for the sole purpose of running, your Programs, (ii) the Programs add significant and primary functionality to the Software, (iii) you do not distribute additional software intended to replace any component(s) of the Software, (iv) you do not remove or alter any proprietary legends or notices contained in the Software, (v) you only distribute the Software subject to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in this Agreement and that includes the notice set forth in Section H, and (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section C does not extend to the Software identified in Section G.

**D. LICENSE TO DISTRIBUTE REDISTRIBUTABLES.** Subject to the terms and conditions of this Agreement and restrictions and exceptions set forth in the README File, including but not limited to the Java Technology Restrictions and Limitations on Redistribution of these Supplemental Terms, Oracle grants you a non-exclusive, non-transferable, limited license without fees to reproduce and distribute those files specifically identified as redistributable in the README File ("Redistributables") provided that: (i) you distribute the Redistributables complete and unmodified, and only bundled as part of Programs, (ii) the Programs add significant and primary functionality to the Redistributables, (iii) you do not distribute additional software intended to supersede any component(s) of the Redistributables (unless otherwise specified in the applicable README File), (iv) you do not remove or alter any proprietary legends or notices contained in or on the Redistributables, (v) you only distribute the Redistributables pursuant to a license agreement that: (a) is a complete, unmodified reproduction of this Agreement; or (b) protects Oracle's interests consistent with the terms contained in the Agreement and includes the notice set forth in Section H, (vi) you agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software. The license set forth in this Section D does not extend to the Software identified in Section G.

**E. DISTRIBUTION BY PUBLISHERS.** This section pertains to your distribution of the Java™ SE Development Kit Software ("JDK") with your printed book or magazine (as those terms are commonly used in the industry) relating to Java technology ("Publication"). Subject to and conditioned upon your compliance with the restrictions and obligations contained in the Agreement, Oracle hereby grants to you a non-exclusive, nontransferable limited right to reproduce complete and unmodified copies of the JDK on electronic media (the "Media") for the sole purpose of inclusion and distribution with your Publication(s), subject to the following terms: (i) You may not distribute the JDK on a stand-alone basis; it must be distributed with your Publication(s); (ii) You are responsible for downloading the JDK from the applicable Oracle web site; (iii) You must refer to the JDK as Java™ SE Development Kit; (iv) The JDK must be reproduced in its entirety and without any modification whatsoever (including with respect to all proprietary notices) and distributed with your Publication subject to a license agreement that is a complete, unmodified reproduction of this Agreement; (v) The Media label shall include the following information: "Copyright [YEAR], Oracle America, Inc. All rights reserved. Use is subject to license terms. ORACLE and JAVA trademarks and all ORACLE- and JAVA-related trademarks, service marks, logos and other brand designations are trademarks or registered trademarks of Oracle in the U.S. and other countries." [YEAR] is the year of Oracle's release of the Software; the year information can typically be found in the Software's "About" box or screen. This information must be placed on the Media label in such a manner as to only apply to the JDK; (vi) You must clearly identify the JDK as Oracle's product on the Media holder or Media label, and you may not state or imply that Oracle is responsible for any third-party software contained on the Media; (vii) You may not include any third party software on the Media which is intended to be a replacement or substitute for the JDK; (viii) You agree to defend and indemnify Oracle and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of the JDK and/or the Publication; ; and (ix) You shall provide Oracle with a written notice for each Publication; such notice shall include



the following information: (1) title of Publication, (2) author(s), (3) date of Publication, and (4) ISBN or ISSN numbers. Such notice shall be sent to Oracle America, Inc., 500 Oracle Parkway, Redwood Shores, California 94065 U.S.A , Attention: General Counsel.

F. JAVA TECHNOLOGY RESTRICTIONS. You may not create, modify, or change the behavior of, or authorize your licensees to create, modify, or change the behavior of, classes, interfaces, or subpackages that are in any way identified as "java", "javax", "sun", "oracle" or similar convention as specified by Oracle in any naming convention designation.

G. LIMITATIONS ON REDISTRIBUTION. You may not redistribute or otherwise transfer patches, bug fixes or updates made available by Oracle through Oracle Premier Support, including those made available under Oracle's Java SE Support program.

H. COMMERCIAL FEATURES NOTICE. For purpose of complying with Supplemental Term Section C.(v)(b) and D.(v)(b), your license agreement shall include the following notice, where the notice is displayed in a manner that anyone using the Software will see the notice:

Use of the Commercial Features for any commercial or production purpose requires a separate license from Oracle. "Commercial Features" means those features identified Table 1-1 (Commercial Features In Java SE Product Editions) of the Java SE documentation accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>

I. SOURCE CODE. Software may contain source code that, unless expressly licensed for other purposes, is provided solely for reference purposes pursuant to the terms of this Agreement. Source code may not be redistributed unless expressly provided for in this Agreement.

J. THIRD PARTY CODE. Additional copyright notices and license terms applicable to portions of the Software are set forth in the THIRDPARTYLICENSEREADME file accessible at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>. In addition to any terms and conditions of any third party opensource/freeware license identified in the THIRDPARTYLICENSEREADME file, the disclaimer of warranty and limitation of liability provisions in paragraphs 4 and 5 of the Binary Code License Agreement shall apply to all Software in this distribution.

K. TERMINATION FOR INFRINGEMENT. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right.

L. INSTALLATION AND AUTO-UPDATE. The Software's installation and auto-update processes transmit a limited amount of data to Oracle (or its service provider) about those specific processes to help Oracle understand and optimize them. Oracle does not associate the data with personally identifiable information. You can find more information about the data Oracle collects as a result of your Software download at <http://www.oracle.com/technetwork/java/javase/documentation/index.html>.

For inquiries please contact: Oracle America, Inc., 500 Oracle Parkway,  
Redwood Shores, California 94065, USA.

Last updated 02 April 2013

#####

DO NOT TRANSLATE OR LOCALIZE.

-----  
%% This notice is provided with respect to ASM Bytecode Manipulation Framework v3.1, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright (c) 2000-2005 INRIA, France Telecom  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to CodeViewer 1.0, which is included with JDK 7.

--- begin of LICENSE ---

Copyright 1999 by CoolServlets.com.

Any errors or suggested improvements to this class can be reported as instructed on CoolServlets.com. We hope you enjoy this program... your comments will encourage further development! This software is distributed under the terms of the BSD License. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither name of CoolServlets.com nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY COOLSERVLETS.COM AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE."

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Cryptix AES 3.2.0, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Cryptix General License

Copyright (c) 1995-2005 The Cryptix Foundation Limited.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE CRYPTIX FOUNDATION LIMITED AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CRYPTIX FOUNDATION LIMITED OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to CUP Parser Generator for  
Java 0.10k, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its  
documentation for any purpose and without fee is hereby granted, provided  
that the above copyright notice appear in all copies and that both the  
copyright notice and this permission notice and warranty disclaimer appear in  
supporting documentation, and that the names of the authors or their  
employers not be used in advertising or publicity pertaining to distribution of  
the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to  
this software, including all implied warranties of merchantability and fitness.  
In no event shall the authors or their employers be liable for any special,  
indirect or consequential damages or any damages whatsoever resulting from  
loss of use, data or profits, whether in an action of contract, negligence or  
other tortious action, arising out of or in connection with the use or  
performance of this software.

--- end of LICENSE ---  
-----

%% This notice is provided with respect to Document Object Model (DOM) Level 2  
& 3, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

### W3C SOFTWARE NOTICE AND LICENSE

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231>

This work (and included software, documentation such as READMEs, or other  
related items) is being provided by the copyright holders under the following  
license. By obtaining, using and/or copying this work, you (the licensee)  
agree that you have read, understood, and will comply with the following terms  
and conditions.

Permission to copy, modify, and distribute this software and its  
documentation, with or without modification, for any purpose and without fee  
or royalty is hereby granted, provided that you include the following on ALL  
copies of the software and documentation or portions thereof, including  
modifications:

1. The full text of this NOTICE in a location viewable to users of the  
redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and  
conditions. If none exist, the W3C Software Short Notice should be included

(hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

---

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to [site-policy@w3.org](mailto:site-policy@w3.org).

--- end of LICENSE ---

---

%% This notice is provided with respect to Elliptic Curve Cryptography, which is included with JRE 7, JDK 7, and OpenJDK 7.

You are receiving a copy of the Elliptic Curve Cryptography library in source form with the JDK 7 and OpenJDK7 source distributions, and as object code in the JRE 7 & JDK 7 runtimes.

In the case of the JRE 7 & JDK 7 runtimes, the terms of the Oracle license do NOT apply to the Elliptic Curve Cryptography library; it is licensed under the following license, separately from Oracle's JDK & JRE. If you do not wish to install the Elliptic Curve Cryptography library, you may delete the library named `libsunec.so` (on Solaris and Linux systems) or `sunec.dll` (on Windows systems) from the JRE bin directory reserved for native libraries.

--- begin of LICENSE ---

GNU LESSER GENERAL PUBLIC LICENSE  
Version 2.1, February 1999

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

-----  
%% This notice is provided with respect to FontConfig 2.5, which is included with JRE 7, JDK 7, and OpenJDK 7 source distributions on Linux and Solaris.

--- begin of LICENSE ---

Copyright © 2001,2003 Keith Packard

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Keith Packard not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Keith Packard makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to IAIK PKCS#11 Wrapper, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

IAIK PKCS#11 Wrapper License

Copyright (c) 2002 Graz University of Technology. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

"This product includes software developed by IAIK of Graz University of Technology."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Graz University of Technology" and "IAIK of Graz University of Technology" must not be used to endorse or promote products derived from this software without prior written permission.

5. Products derived from this software may not be called "IAIK PKCS Wrapper", nor may "IAIK" appear in their name, without prior written permission of Graz University of Technology.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to ICU4C 4.0.1 and ICU4J 4.4, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright (c) 1995-2010 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN

ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder. All trademarks and registered trademarks mentioned herein are the property of their respective owners.

--- end of LICENSE ---

---

%% This notice is provided with respect to IJG JPEG 6b, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

This software is copyright (C) 1991-1998, Thomas G. Lane.  
All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
- (2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
- (3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

--- end of LICENSE ---

---

%% This notice is provided with respect to JOpt-Simple v3.0, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---



Copyright (c) 2004-2009 Paul R. Holser, Jr.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Kerberos functionality, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

(C) Copyright IBM Corp. 1999 All Rights Reserved.  
Copyright 1997 The Open Group Research Institute. All rights reserved.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Kerberos functionality from FundsXpress, INC., which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that

the name of FundsXpress. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

--- end of LICENSE ---

-----

%% This notice is provided with respect to Kronos OpenGL headers, which is included with JDK 7 and OpenJDK 7 source distributions.

--- begin of LICENSE ---

Copyright (c) 2007 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

--- end of LICENSE ---

-----

%% Portions Copyright Eastman Kodak Company 1992

-----

%% This notice is provided with respect to libpng 1.5.4, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

This code is released under the libpng license.

libpng versions 1.2.6, August 15, 2004, through 1.5.4, July 7, 2011, are Copyright (c) 2004, 2006-2011 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.2.5 with the following individual added to the list of Contributing Authors

Cosmin Truta

libpng versions 1.0.7, July 1, 2000, through 1.2.5 - October 3, 2002, are Copyright (c) 2000-2002 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors

Simon-Pierre Cadieux  
Eric S. Raymond  
Gilles Vollant

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 1999 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane  
Glenn Randers-Pehrson  
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996, 1997 Andreas Dilger  
Distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler  
Kevin Bracey  
Sam Bushell  
Magnus Holmgren  
Greg Roelofs  
Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger  
Dave Martindale  
Guy Eric Schalnat  
Paul Schmidt  
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

A "png\_get\_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg" (88x31) and "pngnow.png" (98x31).

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative.

Glenn Randers-Pehrson  
glennrp at users.sourceforge.net  
July 7, 2011

--- end of LICENSE ---

-----  
%% This notice is provided with respect to libungif 4.1.3, which is

included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

The GIFLIB distribution is Copyright (c) 1997 Eric S. Raymond

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Little CMS 2.0, which is included with OpenJDK 7.

--- begin of LICENSE ---

Little CMS  
Copyright (c) 1998-2010 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---

-----  
%% Lucida is a registered trademark or trademark of Bigelow & Holmes in the U.S. and other countries.  
-----

%% This notice is provided with respect to Mesa 3D Graphics Library v4.1, which is included with JRE 7, JDK 7, and OpenJDK 7 source distributions.

--- begin of LICENSE ---

Mesa 3-D graphics library  
Version: 4.1

Copyright (C) 1999-2002 Brian Paul All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL BRIAN PAUL BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---  
-----

%% This notice is provided with respect to PC/SC Lite for Suse Linux v.1.1.1, which is included with JRE 7, JDK 7, and OpenJDK 7 on Linux and Solaris.

--- begin of LICENSE ---

Copyright (c) 1999-2004 David Corcoran <corcoran@linuxnet.com>  
Copyright (c) 1999-2004 Ludovic Rousseau <ludovic.rousseau (at) free.fr>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:  
This product includes software developed by:  
David Corcoran <corcoran@linuxnet.com>  
<http://www.linuxnet.com> (MUSCLE)
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

Changes to this license can be made only by the copyright author with explicit written consent.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Relax NG Object/Parser v.20050510, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright (c) Kohsuke Kawaguchi

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to RelaxNGCC v1.12, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi.  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this  
list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,  
this list of conditions and the following disclaimer in the documentation  
and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must  
include the following acknowledgment:

"This product includes software developed by Daisuke Okajima  
and Kohsuke Kawaguchi (<http://relaxngcc.sf.net/>)."

Alternately, this acknowledgment may appear in the software itself, if and  
wherever such third-party acknowledgments normally appear.

4. The names of the copyright holders must not be used to endorse or promote  
products derived from this software without prior written permission. For  
written permission, please contact the copyright holders.
5. Products derived from this software may not be called "RELAXNGCC", nor may  
"RELAXNGCC" appear in their name, without prior written permission of the  
copyright holders.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,  
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND  
FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE  
SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,  
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR  
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF  
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING  
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE,  
EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Mozilla Rhino v1.7R3, which  
is included with JRE 7, JDK 7, and OpenJDK 7

--- begin of LICENSE ---

MOZILLA PUBLIC LICENSE  
Version 1.1

-----



The text of the Mozilla Public License, version 1.1, a copy of which is made available below in Part Four of this document, was originally presented here, , or as applicable, applies to the above-listed file(s).

-----  
%% This notice is provided with respect to SAX 2.0.1, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

SAX is free!

In fact, it's not possible to own a license to SAX, since it's been placed in the public domain.

No Warranty

Because SAX is released to the public domain, there is no warranty for the design or for the software implementation, to the extent permitted by applicable law. Except when otherwise stated in writing the copyright holders and/or other parties provide SAX "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of SAX is with you. Should SAX prove defective, you assume the cost of all necessary servicing, repair or correction.

In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who may modify and/or redistribute SAX, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use SAX (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the SAX to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

Copyright Disclaimers

This page includes statements to that effect by David Megginson, who would have been able to claim copyright for the original work. SAX 1.0

Version 1.0 of the Simple API for XML (SAX), created collectively by the membership of the XML-DEV mailing list, is hereby released into the public domain.

No one owns SAX: you may use it freely in both commercial and non-commercial applications, bundle it with your software distribution, include it on a CD-ROM, list the source code in a book, mirror the documentation at your own web site, or use it in any other way you see fit.

David Megginson, sax@megginson.com  
1998-05-11

SAX 2.0

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com  
2000-05-05

--- end of LICENSE ---

-----  
%% This notice is provided with respect to SoftFloat version 2b, which is included with JRE 7, JDK 7, and OpenJDK 7 on Linux/ARM.

--- begin of LICENSE ---

Use of any of this software is governed by the terms of the license below:

SoftFloat was written by me, John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek.

**THIS SOFTWARE IS DISTRIBUTED AS IS, FOR FREE. Although reasonable effort has been made to avoid it, THIS SOFTWARE MAY CONTAIN FAULTS THAT WILL AT TIMES RESULT IN INCORRECT BEHAVIOR. USE OF THIS SOFTWARE IS RESTRICTED TO PERSONS AND ORGANIZATIONS WHO CAN AND WILL TAKE FULL RESPONSIBILITY FOR ALL LOSSES, COSTS, OR OTHER PROBLEMS THEY INCUR DUE TO THE SOFTWARE, AND WHO FURTHERMORE EFFECTIVELY INDEMNIFY JOHN HAUSER AND THE INTERNATIONAL COMPUTER SCIENCE INSTITUTE (possibly via similar legal warning) AGAINST ALL LOSSES, COSTS, OR OTHER PROBLEMS INCURRED BY THEIR CUSTOMERS AND CLIENTS DUE TO THE SOFTWARE.**

Derivative works are acceptable, even for commercial purposes, provided that the minimal documentation requirements stated in the source code are satisfied.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Sparkle v1.5, which is included with JRE 7 on Mac OS X.

--- begin of LICENSE ---

Copyright (c) 2012 Sparkle.org and Andy Matuschak

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights

to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---

-----  
%% Portions licensed from Taligent, Inc.

-----  
%% This notice is provided with respect to Thai Dictionary, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

Copyright (C) 1982 The Royal Institute, Thai Royal Government.

Copyright (C) 1998 National Electronics and Computer Technology Center,  
National Science and Technology Development Agency,  
Ministry of Science Technology and Environment,  
Thai Royal Government.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

--- end of LICENSE ---  
-----

%% This notice is provided with respect to Unicode 6.0.0, CLDR v1.4.1, & CLDR v1.9, which is included with JRE 7, JDK 7, and OpenJDK 7.

--- begin of LICENSE ---

## Unicode Terms of Use

For the general privacy policy governing access to this site, see the Unicode Privacy Policy. For trademark usage, see the Unicode® Consortium Name and Trademark Usage Policy.

### A. Unicode Copyright.

1. Copyright © 1991-2011 Unicode, Inc. All rights reserved.
2. Certain documents and files on this website contain a legend indicating that "Modification is permitted." Any person is hereby authorized, without fee, to modify such documents and files to create derivative works conforming to the Unicode® Standard, subject to Terms and Conditions herein.
3. Any person is hereby authorized, without fee, to view, use, reproduce, and distribute all documents and files solely for informational purposes in the creation of products supporting the Unicode Standard, subject to the Terms and Conditions herein.
4. Further specifications of rights and restrictions pertaining to the use of the particular set of data files known as the "Unicode Character Database" can be found in Exhibit 1.
5. Each version of the Unicode Standard has further specifications of rights and restrictions of use. For the book editions (Unicode 5.0 and earlier), these are found on the back of the title page. The online code charts carry specific restrictions. All other files, including online documentation of the core specification for Unicode 6.0 and later, are covered under these general Terms of Use.
6. No license is granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site.
7. Modification is not permitted with respect to this document. All copies of this document must be verbatim.

**B. Restricted Rights Legend.** Any technical data or software which is licensed to the United States of America, its agencies and/or instrumentalities under this Agreement is commercial technical data or commercial computer software developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June 1995), as applicable. For technical data, use, duplication, or disclosure by the Government is subject to restrictions as set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agreement. For Software, in accordance with FAR 12-212 or DFARS 227-7202, as applicable, use, duplication or disclosure by the Government is subject to the restrictions set forth in this Agreement.

### C. Warranties and Disclaimers.

1. This publication and/or website may include technical or typographical errors or other inaccuracies . Changes are periodically added to the

information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.

2. If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.
3. EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

D. Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

#### E. Trademarks & Logos.

1. The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. "The Unicode Consortium" and "Unicode, Inc." are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.'s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.
2. The Unicode Consortium Name and Trademark Usage Policy ("Trademark Policy") are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.
3. All third party trademarks referenced herein are the property of their respective owners.

#### Miscellaneous.

1. Jurisdiction and Venue. This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.
2. Modification by Unicode. Unicode shall have the right to modify this

Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicode's prior written consent.

3. Taxes. The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicode's net income.
4. Severability. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in effect.
5. Entire Agreement. This Agreement constitutes the entire agreement between the parties.

## EXHIBIT 1

### UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>. Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>. Software includes any source code published in the Unicode Standard or under the directories <http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>, and <http://www.unicode.org/cldr/data/>.

**NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.**

### COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2011 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

**THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN**

THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

Unicode and the Unicode logo are trademarks of Unicode, Inc. in the United States and other countries. All third party trademarks referenced herein are the property of their respective owners.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to UPX v3.01, which is included with JRE 7 on Windows.

--- begin of LICENSE ---

Use of any of this software is governed by the terms of the license below:

```
00000 000 000000000. 0000000 00000
`888' `8'`888 `Y88. `8888 d8'
888 8 888 .d88' Y888..8P
888 8 88800088P' `8888'
888 8 888 .8PY888.
`88. .8' 888 d8' `888b
`YbodP' o888o o888o o88888o
```

The Ultimate Packer for eXecutables  
Copyright (c) 1996-2000 Markus Oberhumer & Laszlo Molnar  
<http://wildsau.idv.uni-linz.ac.at/mfx/upx.html>  
<http://www.nexus.hu/upx>  
<http://upx.tsx.org>

PLEASE CAREFULLY READ THIS LICENSE AGREEMENT, ESPECIALLY IF YOU PLAN TO MODIFY THE UPX SOURCE CODE OR USE A MODIFIED UPX VERSION.

## ABSTRACT

=====

UPX and UCL are copyrighted software distributed under the terms of the GNU General Public License (hereinafter the "GPL").

The stub which is imbedded in each UPX compressed program is part of UPX and UCL, and contains code that is under our copyright. The terms of the GNU General Public License still apply as compressing

a program is a special form of linking with our stub.

As a special exception we grant the free usage of UPX for all executables, including commercial programs.  
See below for details and restrictions.

## COPYRIGHT

=====

UPX and UCL are copyrighted software. All rights remain with the authors.

UPX is Copyright (C) 1996-2000 Markus Franz Xaver Johannes Oberhumer  
UPX is Copyright (C) 1996-2000 Laszlo Molnar

UCL is Copyright (C) 1996-2000 Markus Franz Xaver Johannes Oberhumer

## GNU GENERAL PUBLIC LICENSE

=====

UPX and the UCL library are free software; you can redistribute them and/or modify them under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

UPX and UCL are distributed in the hope that they will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; see the file COPYING.

## SPECIAL EXCEPTION FOR COMPRESSED EXECUTABLES

=====

The stub which is imbedded in each UPX compressed program is part of UPX and UCL, and contains code that is under our copyright. The terms of the GNU General Public License still apply as compressing a program is a special form of linking with our stub.

Hereby Markus F.X.J. Oberhumer and Laszlo Molnar grant you special permission to freely use and distribute all UPX compressed programs (including commercial ones), subject to the following restrictions:

1. You must compress your program with a completely unmodified UPX version; either with our precompiled version, or (at your option) with a self compiled version of the unmodified UPX sources as distributed by us.
2. This also implies that the UPX stub must be completely unmodified, i.e. the stub imbedded in your compressed program must be byte-identical to the stub that is produced by the official unmodified UPX version.
3. The decompressor and any other code from the stub must exclusively get used by the unmodified UPX stub for decompressing your program at



program startup. No portion of the stub may get read, copied, called or otherwise get used or accessed by your program.

## ANNOTATIONS

=====

- You can use a modified UPX version or modified UPX stub only for programs that are compatible with the GNU General Public License.
- We grant you special permission to freely use and distribute all UPX compressed programs. But any modification of the UPX stub (such as, but not limited to, removing our copyright string or making your program non-decompressible) will immediately revoke your right to use and distribute a UPX compressed program.
- UPX is not a software protection tool; by requiring that you use the unmodified UPX version for your proprietary programs we make sure that any user can decompress your program. This protects both you and your users as nobody can hide malicious code - any program that cannot be decompressed is highly suspicious by definition.
- You can integrate all or part of UPX and UCL into projects that are compatible with the GNU GPL, but obviously you cannot grant any special exceptions beyond the GPL for our code in your project.
- We want to actively support manufacturers of virus scanners and similar security software. Please contact us if you would like to incorporate parts of UPX or UCL into such a product.

Markus F.X.J. Oberhumer                      Laszlo Molnar  
markus.oberhumer@jk.uni-linz.ac.at      ml1050@cdata.tvnet.hu

Linz, Austria, 25 Feb 2000

Additional License(s)

The UPX license file is at <http://upx.sourceforge.net/upx-license.html>.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to Xfree86-VidMode Extension 1.0,  
which is included with JRE 7, JDK 7, and OpenJDK 7 on Linux and Solaris.

--- begin of LICENSE ---

Version 1.1 of XFree86 ProjectLicence.

Copyright (C) 1994-2004 The XFree86 Project, Inc. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of

this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so,subject to the following conditions:

1. Redistributions of source code must retain the above copyright notice,this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution, and in the same place and form as other copyright, license and disclaimer information.
3. The end-user documentation included with the redistribution, if any,must include the following acknowledgment: "This product includes software developed by The XFree86 Project, Inc (<http://www.xfree86.org/>) and its contributors", in the same place and form as other third-party acknowledgments. Alternately, this acknowledgment may appear in the software itself, in the same form and location as other such third-party acknowledgments.
4. Except as contained in this notice, the name of The XFree86 Project,Inc shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The XFree86 Project, Inc.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE XFREE86 PROJECT, INC OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--- end of LICENSE ---

-----  
%% This notice is provided with respect to X Window System 6.8.2, which is included with JRE 7, JDK 7, and OpenJDK 7 on Linux and Solaris.

--- begin of LICENSE ---

## Licenses

The X.Org Foundation March 2004

### 1. Introduction

The X.org Foundation X Window System distribution is a compilation of code and documentation from many sources. This document is intended primarily as a guide to the licenses used in the distribution: you must check each file

and/or package for precise redistribution terms. None-the-less, this summary may be useful to many users. No software incorporating the XFree86 1.1 license has been incorporated.

This document is based on the compilation from XFree86.

## 2. XFree86 License

XFree86 code without an explicit copyright is covered by the following copyright/license:

Copyright (C) 1994-2003 The XFree86 Project, Inc. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE XFREE86 PROJECT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the XFree86 Project shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the XFree86 Project.

## 3. Other Licenses

Portions of code are covered by the following licenses/copyrights. See individual files for the copyright dates.

### 3.1. X/MIT Copyrights

#### 3.1.1. X Consortium

Copyright (C) <date> X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

X Window System is a trademark of X Consortium, Inc.

### 3.1.2. The Open Group

Copyright <date> The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group. 3.2. Berkeley-based copyrights:

o

#### 3.2.1. General

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.2. UCB/LBL

Copyright (c) 1993 The Regents of the University of California. All rights reserved.

This software was developed by the Computer Systems Engineering group at Lawrence Berkeley Laboratory under DARPA contract BG 91-66 and contributed to Berkeley.

All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Lawrence Berkeley Laboratory.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.3. The NetBSD Foundation, Inc.

Copyright (c) 2003 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Ben Collver <collver1@attbi.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the NetBSD Foundation, Inc. and its contributors.
4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.4. Theodore Ts'o.

Copyright Theodore Ts'o, 1994, 1995, 1996, 1997, 1998, 1999. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. he name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.5. Theo de Raadt and Damien Miller

Copyright (c) 1995,1999 Theo de Raadt. All rights reserved. Copyright (c)

2001-2002 Damien Miller. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.2.6. Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. 3.2.7. Thomas Winischhofer

Copyright (C) 2001-2004 Thomas Winischhofer

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO

EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. 3.3. NVIDIA Corp

Copyright (c) 1996 NVIDIA, Corp. All rights reserved.

NOTICE TO USER: The source code is copyrighted under U.S. and international laws. NVIDIA, Corp. of Sunnyvale, California owns the copyright and as design patents pending on the design and interface of the NV chips. Users and possessors of this source code are hereby granted a nonexclusive, royalty-free copyright and design patent license to use this code in individual and commercial software.

Any use of this source code must include, in the user documentation and internal comments to the code, notices to the end user as follows:

Copyright (c) 1996 NVIDIA, Corp. NVIDIA design patents pending in the U.S. and foreign countries.

NVIDIA, CORP. MAKES NO REPRESENTATION ABOUT THE SUITABILITY OF THIS SOURCE CODE FOR ANY PURPOSE. IT IS PROVIDED "AS IS" WITHOUT EXPRESS OR IMPLIED WARRANTY OF ANY KIND. NVIDIA, CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOURCE CODE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL NVIDIA, CORP. BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOURCE CODE. 3.4. GLX Public License

GLX PUBLIC LICENSE (Version 1.0 (2/11/99)) ("License")

Subject to any third party claims, Silicon Graphics, Inc. ("SGI") hereby grants permission to Recipient (defined below), under Recipient's copyrights in the Original Software (defined below), to use, copy, modify, merge, publish, distribute, sublicense and/or sell copies of Subject Software (defined below), and to permit persons to whom the Subject Software is furnished in accordance with this License to do the same, subject to all of the following terms and conditions, which Recipient accepts by engaging in any such use, copying, modifying, merging, publishing, distributing, sublicensing or selling:

#### 1. Definitions.

(a) "Original Software" means source code of computer software code which is described in Exhibit A as Original Software.

(b) "Modifications" means any addition to or deletion from the substance or structure of either the Original Software or any previous Modifications. When Subject Software is released as a series of files, a Modification means (i) any addition to or deletion from the contents of a file containing Original Software or previous Modifications and (ii) any



new file that contains any part of the Original Code or previous Modifications.

(c) "Subject Software" means the Original Software or Modifications or the combination of the Original Software and Modifications, or portions of any of the foregoing.

(d) "Recipient" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "Recipient" includes any entity which controls, is controlled by, or is under common control with Recipient. For purposes of this definition, "control" of an entity means (a) the power, direct or indirect, to direct or manage such entity, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Redistribution of Source Code Subject to These Terms. Redistributions of Subject Software in source code form must retain the notice set forth in Exhibit A, below, in every file. A copy of this License must be included in any documentation for such Subject Software where the recipients' rights relating to Subject Software are described. Recipient may distribute the source code version of Subject Software under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, and (ii) the license terms include this Section 2 and Sections 3, 4, 7, 8, 10, 12 and 13 of this License, which terms may not be modified or superseded by any other terms of such license. If Recipient distributes the source code version under a different license Recipient must make it absolutely clear that any terms which differ from this License are offered by Recipient alone, not by SGI. Recipient hereby agrees to indemnify SGI for any liability incurred by SGI as a result of any such terms Recipient offers.

3. Redistribution in Executable Form. The notice set forth in Exhibit A must be conspicuously included in any notice in an executable version of Subject Software, related documentation or collateral in which Recipient describes the user's rights relating to the Subject Software. Recipient may distribute the executable version of Subject Software under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, and (ii) the license terms include this Section 3 and Sections 4, 7, 8, 10, 12 and 13 of this License, which terms may not be modified or superseded by any other terms of such license. If Recipient distributes the executable version under a different license Recipient must make it absolutely clear that any terms which differ from this License are offered by Recipient alone, not by SGI. Recipient hereby agrees to indemnify SGI for any liability incurred by SGI as a result of any such terms Recipient offers.

4. Termination. This License and the rights granted hereunder will terminate automatically if Recipient fails to comply with terms herein and fails to cure such breach within 30 days of the breach. Any sublicense to the Subject Software which is properly granted shall survive any termination of this License absent termination by the terms of such sublicense. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

5. No Trademark Rights. This License does not grant any rights to use any

trade name, trademark or service mark whatsoever. No trade name, trademark or service mark of SGI may be used to endorse or promote products derived from the Subject Software without prior written permission of SGI.

6. No Other Rights. This License does not grant any rights with respect to the OpenGL API or to any software or hardware implementation thereof or to any other software whatsoever, nor shall any other rights or licenses not expressly granted hereunder arise by implication, estoppel or otherwise with respect to the Subject Software. Title to and ownership of the Original Software at all times remains with SGI. All rights in the Original Software not expressly granted under this License are reserved.

7. Compliance with Laws; Non-Infringement. Recipient shall comply with all applicable laws and regulations in connection with use and distribution of the Subject Software, including but not limited to, all export and import control laws and regulations of the U.S. government and other countries. Recipient may not distribute Subject Software that (i) in any way infringes (directly or contributorily) the rights (including patent, copyright, trade secret, trademark or other intellectual property rights of any kind) of any other person or entity or (ii) breaches any representation or warranty, express, implied or statutory, which under any applicable law it might be deemed to have been distributed.

8. Claims of Infringement. If Recipient at any time has knowledge of any one or more third party claims that reproduction, modification, use, distribution, import or sale of Subject Software (including particular functionality or code incorporated in Subject Software) infringes the third party's intellectual property rights, Recipient must place in a well-identified web page bearing the title "LEGAL" a description of each such claim and a description of the party making each such claim in sufficient detail that a user of the Subject Software will know whom to contact regarding the claim. Also, upon gaining such knowledge of any such claim, Recipient must conspicuously include the URL for such web page in the Exhibit A notice required under Sections 2 and 3, above, and in the text of any related documentation, license agreement or collateral in which Recipient describes end user's rights relating to the Subject Software. If Recipient obtains such knowledge after it makes Subject Software available to any other person or entity, Recipient shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Subject Software that new knowledge has been obtained.

9. DISCLAIMER OF WARRANTY. SUBJECT SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE SUBJECT SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON- INFRINGING. SGI ASSUMES NO RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE. SHOULD ANY SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, SGI ASSUMES NO COST OR LIABILITY FOR ANY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY SUBJECT SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

10. LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY), CONTRACT, OR OTHERWISE, SHALL SGI OR ANY SGI LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK

STOPPAGE, LOSS OF DATA, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SGI'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO RECIPIENT.

11. Indemnity. Recipient shall be solely responsible for damages arising, directly or indirectly, out of its utilization of rights under this License. Recipient will defend, indemnify and hold harmless Silicon Graphics, Inc. from and against any loss, liability, damages, costs or expenses (including the payment of reasonable attorneys fees) arising out of Recipient's use, modification, reproduction and distribution of the Subject Software or out of any representation or warranty made by Recipient.

12. U.S. Government End Users. The Subject Software is a "commercial item" consisting of "commercial computer software" as such terms are defined in title 48 of the Code of Federal Regulations and all U.S. Government End Users acquire only the rights set forth in this License and are subject to the terms of this License.

13. Miscellaneous. This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed so as to achieve as nearly as possible the same economic effect as the original provision and the remainder of this License will remain in effect. This License shall be governed by and construed in accordance with the laws of the United States and the State of California as applied to agreements entered into and to be performed entirely within California between California residents. Any litigation relating to this License shall be subject to the exclusive jurisdiction of the Federal Courts of the Northern District of California (or, absent subject matter jurisdiction in such courts, the courts of the State of California), with venue lying exclusively in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

#### Exhibit A

The contents of this file are subject to Sections 2, 3, 4, 7, 8, 10, 12 and 13 of the GLX Public License Version 1.0 (the "License"). You may not use this file except in compliance with those sections of the License. You may obtain a copy of the License at Silicon Graphics, Inc., attn: Legal Services, 2011 N. Shoreline Blvd., Mountain View, CA 94043 or at <http://www.sgi.com/software/opensource/glx/license.html>.

Software distributed under the License is distributed on an "AS IS" basis. ALL WARRANTIES ARE DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NON-INFRINGEMENT. See the License for the specific language governing rights and limitations under the License.

The Original Software is GLX version 1.2 source code, released February, 1999.

The developer of the Original Software is Silicon Graphics, Inc. Those portions of the Subject Software created by Silicon Graphics, Inc. are Copyright (c) 1991-9 Silicon Graphics, Inc. All Rights Reserved. 3.5. CID Font Code Public License

## CID FONT CODE PUBLIC LICENSE (Version 1.0 (3/31/99))("License")

Subject to any applicable third party claims, Silicon Graphics, Inc. ("SGI") hereby grants permission to Recipient (defined below), under SGI's copyrights in the Original Software (defined below), to use, copy, modify, merge, publish, distribute, sublicense and/or sell copies of Subject Software (defined below) in both source code and executable form, and to permit persons to whom the Subject Software is furnished in accordance with this License to do the same, subject to all of the following terms and conditions, which Recipient accepts by engaging in any such use, copying, modifying, merging, publication, distributing, sublicensing or selling:

### 1. Definitions.

a. "Original Software" means source code of computer software code that is described in Exhibit A as Original Software.

b. "Modifications" means any addition to or deletion from the substance or structure of either the Original Software or any previous Modifications. When Subject Software is released as a series of files, a Modification means (i) any addition to or deletion from the contents of a file containing Original Software or previous Modifications and (ii) any new file that contains any part of the Original Code or previous Modifications.

c. "Subject Software" means the Original Software or Modifications or the combination of the Original Software and Modifications, or portions of any of the foregoing.

d. "Recipient" means an individual or a legal entity exercising rights under the terms of this License. For legal entities, "Recipient" includes any entity that controls, is controlled by, or is under common control with Recipient. For purposes of this definition, "control" of an entity means (i) the power, direct or indirect, to direct or manage such entity, or (ii) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

e. "Required Notice" means the notice set forth in Exhibit A to this License.

f. "Accompanying Technology" means any software or other technology that is not a Modification and that is distributed or made publicly available by Recipient with the Subject Software. Separate software files that do not contain any Original Software or any previous Modification shall not be deemed a Modification, even if such software files are aggregated as part of a product, or in any medium of storage, with any file that does contain Original Software or any previous Modification.

2. License Terms. All distribution of the Subject Software must be made subject to the terms of this License. A copy of this License and the Required Notice must be included in any documentation for Subject Software where

Recipient's rights relating to Subject Software and/or any Accompanying Technology are described. Distributions of Subject Software in source code form must also include the Required Notice in every file distributed. In addition, a ReadMe file entitled "Important Legal Notice" must be distributed with each distribution of one or more files that incorporate Subject Software. That file must be included with distributions made in both source code and executable form. A copy of the License and the Required Notice must be included in that file. Recipient may distribute Accompanying Technology under a license of Recipient's choice, which may contain terms different from this License, provided that (i) Recipient is in compliance with the terms of this License, (ii) such other license terms do not modify or supersede the terms of this License as applicable to the Subject Software, (iii) Recipient hereby indemnifies SGI for any liability incurred by SGI as a result of the distribution of Accompanying Technology or the use of other license terms.

3. Termination. This License and the rights granted hereunder will terminate automatically if Recipient fails to comply with terms herein and fails to cure such breach within 30 days of the breach. Any sublicense to the Subject Software that is properly granted shall survive any termination of this License absent termination by the terms of such sublicense. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

4. Trademark Rights. This License does not grant any rights to use any trade name, trademark or service mark whatsoever. No trade name, trademark or service mark of SGI may be used to endorse or promote products derived from or incorporating any Subject Software without prior written permission of SGI.

5. No Other Rights. No rights or licenses not expressly granted hereunder shall arise by implication, estoppel or otherwise. Title to and ownership of the Original Software at all times remains with SGI. All rights in the Original Software not expressly granted under this License are reserved.

6. Compliance with Laws; Non-Infringement. Recipient shall comply with all applicable laws and regulations in connection with use and distribution of the Subject Software, including but not limited to, all export and import control laws and regulations of the U.S. government and other countries. Recipient may not distribute Subject Software that (i) in any way infringes (directly or contributorily) the rights (including patent, copyright, trade secret, trademark or other intellectual property rights of any kind) of any other person or entity, or (ii) breaches any representation or warranty, express, implied or statutory, which under any applicable law it might be deemed to have been distributed.

7. Claims of Infringement. If Recipient at any time has knowledge of any one or more third party claims that reproduction, modification, use, distribution, import or sale of Subject Software (including particular functionality or code incorporated in Subject Software) infringes the third party's intellectual property rights, Recipient must place in a well-identified web page bearing the title "LEGAL" a description of each such claim and a description of the party making each such claim in sufficient detail that a user of the Subject Software will know whom to contact regarding the claim. Also, upon gaining such knowledge of any such claim, Recipient must conspicuously include the URL for such web page in the Required Notice, and in the text of any related documentation, license agreement or collateral in which Recipient describes end user's rights relating to the Subject Software. If Recipient obtains such

knowledge after it makes Subject Software available to any other person or entity, Recipient shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to provide such knowledge to those who received the Subject Software.

8. **DISCLAIMER OF WARRANTY.** SUBJECT SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE SUBJECT SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. SGI ASSUMES NO RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE. SHOULD ANY SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, SGI ASSUMES NO COST OR LIABILITY FOR ANY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY SUBJECT SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

9. **LIMITATION OF LIABILITY.** UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY), CONTRACT, OR OTHERWISE, SHALL SGI OR ANY SGI LICENSOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SUBJECT SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SUBJECT SOFTWARE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF CERTAIN DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO RECIPIENT TO THE EXTENT SO DISALLOWED.

10. **Indemnity.** Recipient shall be solely responsible for damages arising, directly or indirectly, out of its utilization of rights under this License. Recipient will defend, indemnify and hold SGI and its successors and assigns harmless from and against any loss, liability, damages, costs or expenses (including the payment of reasonable attorneys fees) arising out of (Recipient's use, modification, reproduction and distribution of the Subject Software or out of any representation or warranty made by Recipient.

11. **U.S. Government End Users.** The Subject Software is a "commercial item" consisting of "commercial computer software" as such terms are defined in title 48 of the Code of Federal Regulations and all U.S. Government End Users acquire only the rights set forth in this License and are subject to the terms of this License.

12. **Miscellaneous.** This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable by any judicial or administrative authority having proper jurisdiction with respect thereto, such provision shall be reformed so as to achieve as nearly as possible the same economic effect as the original provision and the remainder of this License will remain in effect. This License shall be governed by and construed in accordance with the laws of the United States and the State of California as applied to agreements entered into and to be performed entirely within California between California residents. Any litigation relating to this License shall be subject to the exclusive jurisdiction of the Federal Courts of the Northern District of California (or, absent subject matter jurisdiction in such courts, the courts of the State of California), with venue lying exclusively in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation that provides that the language of a contract shall be construed against the

drafter shall not apply to this License.

Exhibit A

Copyright (c) 1994-1999 Silicon Graphics, Inc.

The contents of this file are subject to the CID Font Code Public License Version 1.0 (the "License"). You may not use this file except in compliance with the License. You may obtain a copy of the License at Silicon Graphics, Inc., attn: Legal Services, 2011 N. Shoreline Blvd., Mountain View, CA 94043 or at <http://www.sgi.com/software/opensource/cid/license.html>

Software distributed under the License is distributed on an "AS IS" basis. ALL WARRANTIES ARE DISCLAIMED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NON-INFRINGEMENT. See the License for the specific language governing rights and limitations under the License.

The Original Software (as defined in the License) is CID font code that was developed by Silicon Graphics, Inc. Those portions of the Subject Software (as defined in the License) that were created by Silicon Graphics, Inc. are Copyright (c) 1994-1999 Silicon Graphics, Inc. All Rights Reserved.

[NOTE: When using this text in connection with Subject Software delivered solely in object code form, Recipient may replace the words "this file" with "this software" in both the first and second sentences.] 3.6. Bitstream Vera Fonts Copyright

The fonts have a generous copyright, allowing derivative works (as long as "Bitstream" or "Vera" are not in the names), and full redistribution (so long as they are not \*sold\* by themselves). They can be bundled, redistributed and sold with any software.

The fonts are distributed under the following copyright:

Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera"

names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org. 3.7. Bigelow & Holmes Inc and URW++ GmbH Luxi font license

Luxi fonts copyright (c) 2001 by Bigelow & Holmes Inc. Luxi font instruction code copyright (c) 2001 by URW++ GmbH. All Rights Reserved. Luxi is a registered trademark of Bigelow & Holmes Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of these Fonts and associated documentation files (the "Font Software"), to deal in the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, sublicense, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software.

The Font Software may not be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may not be modified nor may additional glyphs or characters be added to the Fonts. This License becomes null and void when the Fonts or Font Software have been modified.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BIGELOW & HOLMES INC. OR URW++ GMBH. BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Bigelow & Holmes Inc. and URW++ GmbH. shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Bigelow & Holmes Inc. and URW++ GmbH.

For further information, contact:



info@urwpp.de or design@bigelowandholmes.com

--- end of LICENSE ---

-----  
%% This notice is provided with respect to zlib v1.2.3, which is included  
with JRE 7, JDK 7, and OpenJDK 7

--- begin of LICENSE ---

version 1.2.3, July 18th, 2005

Copyright (C) 1995-2005 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied  
warranty. In no event will the authors be held liable for any damages  
arising from the use of this software.

Permission is granted to anyone to use this software for any purpose,  
including commercial applications, and to alter it and redistribute it  
freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not  
claim that you wrote the original software. If you use this software  
in a product, an acknowledgment in the product documentation would be  
appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be  
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

--- end of LICENSE ---

-----  
%% This notice is provided with respect to the following which is  
included with JRE 7, JDK 7, and OpenJDK 7, except where noted:

Apache Derby 10.8.1.2      [included with JDK 7 only]  
Apache Jakarta BCEL 5.2  
Apache Jakarta Regexp 1.4  
Apache Santuario XMLSec-Java 1.4.2  
Apache Xalan-Java 2.7.1  
Apache Xerces2 Java 2.10.0  
Apache XML Resolver 1.1

--- begin of LICENSE ---

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>



REFUND OR, IF THE SOFTWARE IS ACCESSED ELECTRONICALLY, SELECT THE "DECLINE" BUTTON AT THE END OF THIS AGREEMENT.

1.? LICENSE TO USE.? Sun grants you a non-exclusive and non-transferable license for the internal use only of the accompanying software and documentation and any error corrections provided by Sun (collectively "Software"), by the number of users and the class of computer hardware for which the corresponding fee has been paid.

2.? RESTRICTIONS.? Software is confidential and copyrighted. Title to Software and all associated intellectual property rights is retained by Sun and/or its licensors.? Except as specifically authorized in any Supplemental License Terms, you may not make copies of Software, other than a single copy of Software for archival purposes.? Unless enforcement is prohibited by applicable law, you may not modify, decompile, or reverse engineer Software.? You acknowledge that Software is not designed, licensed or intended for use in the design, construction, operation or maintenance of any nuclear facility.? Sun disclaims any express or implied warranty of fitness for such uses.? No right, title or interest in or to any trademark, service mark, logo or trade name of Sun or its licensors is granted under this Agreement.

3. LIMITED WARRANTY.? Sun warrants to you that for a period of ninety (90) days from the date of purchase, as evidenced by a copy of the receipt, the media on which Software is furnished (if any) will be free of defects in materials and workmanship under normal use.? Except for the foregoing, Software is provided "AS IS".? Your exclusive remedy and Sun's entire liability under this limited warranty will be at Sun's option to replace Software media or refund the fee paid for Software.

4.? DISCLAIMER OF WARRANTY.? UNLESS SPECIFIED IN THIS AGREEMENT, ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT THESE DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

5.? LIMITATION OF LIABILITY.? TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL SUN OR ITS LICENSORS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR DATA, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE SOFTWARE, EVEN IF SUN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.? In no event will Sun's liability to you, whether in contract, tort (including negligence), or otherwise, exceed the amount paid by you for Software under this Agreement.? The foregoing limitations will apply even if the above stated warranty fails of its essential purpose.

6.? Termination.? This Agreement is effective until terminated.? You may terminate this Agreement at any time by destroying all copies of Software.? This Agreement will terminate immediately without notice from Sun if you fail to comply with any provision of this Agreement.? Upon Termination, you must destroy all copies of Software.

7. Export Regulations. All Software and technical data delivered under this Agreement are subject to US export control laws and may be subject to export or import regulations in other countries.? You agree to comply strictly with all such laws and regulations and acknowledge that you have the responsibility to obtain such licenses to export, re-export, or import as may be required after delivery to you.

8.?? U.S. Government Restricted Rights.? If Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in Software and accompanying documentation will be only as set forth in this Agreement; this is in accordance with 48 CFR 227.7201 through 227.7202-4 (for Department of Defense (DOD) acquisitions) and with 48 CFR 2.101 and 12.212 (for non-DOD acquisitions).

9.? Governing Law.? Any action related to this Agreement will be governed by California law and controlling U.S. federal law.? No choice of law rules of any jurisdiction will apply.

10.? Severability. If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission would frustrate the intent of the parties, in which case this Agreement will immediately terminate.

11.? Integration.? This Agreement is the entire agreement between you and Sun relating to its subject matter.? It supersedes

all prior or contemporaneous oral or written communications, proposals, representations and warranties and prevails over any conflicting or additional terms of any quote, order, acknowledgment, or other communication between the parties relating to its subject matter during the term of this Agreement.? No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party.

## JAVAHHELP(TM) VERSION 2.0 SUPPLEMENTAL LICENSE TERMS

These supplemental license terms ("Supplemental Terms") add to or modify the terms of the Binary Code License Agreement (collectively, the "Agreement"). Capitalized terms not defined in these Supplemental Terms shall have the same meanings ascribed to them in the Agreement. These Supplemental Terms shall supersede any inconsistent or conflicting terms in the Agreement, or in any license contained within the Software.

1. **Software Internal Use and Development License Grant.** Subject to the terms and conditions of this Agreement, including, but not limited to Section 4 (Java(TM) Technology Restrictions) of these Supplemental Terms, Sun grants you a non-exclusive, non-transferable, limited license to reproduce internally and use internally the binary form of the Software complete and unmodified for the sole purpose of designing, developing and testing your Java applets and applications intended to run on the Java platform ("Programs").

2. **License to Distribute Software.**? In addition to the license granted in Section 1 (Software Internal Use and Development License Grant) of these Supplemental Terms, subject to the terms and conditions of this Agreement, including but not limited to Section 4 (Java Technology Restrictions), Sun grants you a non-exclusive, non-transferable, limited license to reproduce and distribute the Software in binary form only, provided that you (i) distribute the Software complete and unmodified and only bundled as part of your Programs, (ii) do not distribute additional software intended to replace any component(s) of the Software, (iii) do not remove or alter any proprietary legends or notices contained in the Software, (iv) only distribute the Software subject to a license agreement that protects Sun's interests consistent with the terms contained in this Agreement, and (v) agree to defend and indemnify Sun and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software.

3. **License to Distribute Redistributables.**? In addition to the license granted in Section 1 (Software Internal Use and Development License Grant) of these Supplemental Terms, subject to the terms and conditions of this Agreement, including but not limited to Section 3 (Java Technology Restrictions) of these Supplemental Terms, Sun grants you a non-exclusive, non-transferable, limited license to reproduce and distribute those files specifically identified as redistributable in the Software "README" file ("Redistributables") provided that: (i) you distribute the Redistributables complete and unmodified (unless otherwise specified in the applicable README file), and only bundled as part of your Programs, (ii) you do not distribute additional software intended to supersede any component(s) of the Redistributables, (iii) you do not remove or alter any proprietary legends or notices contained in or on the Redistributables, (iv) you only distribute the Redistributables pursuant to a license agreement that protects Sun's interests consistent with the terms contained in the Agreement, and (v) you agree to defend and indemnify Sun and its licensors from and against any damages, costs, liabilities, settlement amounts and/or expenses (including attorneys' fees) incurred in connection with any claim, lawsuit or action by any third party that arises or results from the use or distribution of any and all Programs and/or Software.

4. **Java Technology Restrictions.** You may not modify the Java Platform Interface ("JPI", identified as classes contained within the "java" package or any subpackages of the "java" package), by creating additional classes within the JPI or otherwise causing the addition to or modification of the classes in the JPI.? In the event that you create an additional class and associated API(s) which (i) extends the functionality of the Java platform, and (ii) is exposed to third party software developers for the purpose of developing additional software which invokes such additional API, you must promptly publish broadly an accurate specification for such API for free use by all developers. You may not create, or authorize your licensees to create, additional classes, interfaces, or subpackages that are in any way identified as "java", "javax", "sun" or similar convention as specified by Sun in any naming convention designation.

5. **Java Runtime Availability.**? Refer to the appropriate version of the Java Runtime Environment binary code license (currently located at <http://www.java.sun.com/jdk/index.html>) for the availability of runtime code which may be distributed with Java applets and applications.











## PRODUCT.

The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The SOFTWARE PRODUCT is licensed, not sold.

**RIGOROUS ENFORCEMENT OF INTELLECTUAL PROPERTY RIGHTS.** If the licensed right of use for this SOFTWARE PRODUCT is purchased by you with any intent to reverse engineer, decompile, create derivative works, and the exploitation or unauthorized transfer of, any JIDE intellectual property and trade secrets, to include any exposed methods or source code where provided, no licensed right of use shall exist, and any products created as a result shall be judged illegal by definition of all applicable law. Any sale or resale of intellectual property or created derivatives so obtained will be prosecuted to the fullest extent of all local, federal and international law.

**GRANT OF LICENSE.** This SLA, if legally executed as defined herein, licenses and so grants you the following rights:

**Single Developer License.** Single Developer License allows an individual developer to use APIs ("Application Programming Interface") provided by SOFTWARE PRODUCT in any number of projects that he or she is working on. A Single Developer License for the SOFTWARE PRODUCT may not be shared or used by more than one individual developer. In a project that uses the SOFTWARE PRODUCT, each individual developer on the project requires a separate Single Developer License as long as they need to access JIDE API.

**Source Code License.** In addition to the license and rights granted above, JIDE grants you the right to use and modify the JIDE source provided you licensed source code. Different from developer license, source code license is licensed to a team. Each team only needs to purchase one copy of source code license and share it among those developers who have their own Single Developer License.

JIDE shall retain all right, title and interest in and to all updates, modifications, enhancements and derivative works, in whole or in part, of the JIDE Source Code created by you, including all copyrights subsisting therein, to the extent such modifications, enhancements or derivative works contain copyrightable code or expression derived from the JIDE source code; provided, however, that JIDE grants to you a fully-paid, royalty free license, to use copy and modify such updates, modifications, enhancements and derivative works or copies thereof for use as authorized in this LICENSE.

You may not distribute the JIDE source code, or any modified version or derivative work of the JIDE source code, in source code form.

JIDE require all developers in your project who plan to access JIDE source code signing on the source code license. As long as they signed, they become registered developers. An alternative to this is to let a delegate signs source code license as an organization. The delegate will be responsible for letting other developers who plan to access the source code reviewing this license agreement first before releasing them the access.

The source code contained herein and in related files is provided to the registered developer for the purposes of education and troubleshooting. Under no circumstances may any portion of the source code be distributed, disclosed or otherwise made available to any third party without the express written consent of JIDE.

Under no circumstances may the source code be used in whole or in part, as the basis for creating a product that provides the same, or substantially the same, functionality as any JIDE products.

The registered developer acknowledges that this source code contains valuable and proprietary trade secrets of JIDE. The registered developer agrees to expend every effort to insure its confidentiality. For example, under no circumstances may the registered developer allow to put the source code on an internal network where he or she has no control.

Due to the insecurity of Java byte-code, if you plan to use classes that built from the source code directly, you must agree to obfuscate the classes before distributing it to your customers.

**SOURCE CODE IS SOLD AS IS. JIDE DOES NOT PROVIDE ANY TECHNICAL SUPPORT FOR SOURCE CODE.**

**Deployment License.** There is no deployment license fee unless the number of your application deployments is larger than

1000 times of the number of developer licenses you purchased and you are unwilling to acknowledge using JIDE. You can acknowledge using JIDE by showing JIDE name and/or logo in about dialog, or splash screen or including this SLA in a license folder of your product release where has the licenses for all 3rd party libraries you are using or any other places where users can easily notice. If you are unwilling to acknowledge using JIDE, a one-time, perpetual deployment license fee will be applicable.

## DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

**Not for Resale Software.** The SOFTWARE PRODUCT is labeled and provided as "Not for Resale" or "NFR", then, notwithstanding other sections of this SLA, you may not resell, distribute, or otherwise transfer for value or benefit in any manner, the SOFTWARE PRODUCT or any derivative work using the SOFTWARE PRODUCT. You may not transfer, rent, lease, lend, copy, modify, translate, sublicense, time-share or electronically transmit the SOFTWARE PRODUCT, media or documentation. This also applies to any and all intermediate files, source code, and compiled executables.

**Expose APIs.** The SOFTWARE PRODUCT is a software library. The exposed APIs is intended to be used by the licensed developers only. If such an exposing of APIs is unavoidable in your application or intended due to the nature of your application, please contact JIDE for a special agreement and is subject to extra charge to get such permission. Exposing the APIs to non-licensed developers without JIDE permission is strictly prohibited.

**Limitations on Reverse Engineering, Decompilation, and Disassembly.** You may not reverse engineer, decompile, create derivative works, modify, translate, or disassemble the SOFTWARE PRODUCT, and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation. You agree to take all reasonable, legal and appropriate measures to prohibit the illegal dissemination of the SOFTWARE PRODUCT or any of its constituent parts and redistributables to the fullest extent of all applicable local, US Codes and International Laws and Treaties regarding anti-circumvention, including but not limited to, the Geneva and Berne World Intellectual Property Organization (WIPO) Diplomatic Conferences.

**Rental.** You may not rent, lease, or lend the SOFTWARE PRODUCT.

**Separation of Components, Their Constituent Parts and Redistributables.** The SOFTWARE PRODUCT is licensed as a single product. The SOFTWARE PRODUCT and its constituent parts and any provided redistributables may not be reverse engineered, decompiled, disassembled, nor placed for distribution, sale, or resale as individual creations by you or any individual not expressly given such permission by JIDE. The provision of source code, if included with the SOFTWARE PRODUCT, does not constitute transfer of any legal rights to such code, and resale or distribution of all or any portion of all source code and intellectual property will be prosecuted to the fullest extent of all applicable local, federal and international laws. All JIDE libraries, source code, redistributables and other files remain JIDE's exclusive property. You may not distribute any files, except those that JIDE has expressly designated as Redistributable.

The SOFTWARE PRODUCT may include certain files ("Redistributables") intended for distribution by you to the users of programs you create. Redistributables include jar file (or class files if you intend to package all JIDE classes into your own jar). Developer Guide of SOFTWARE PRODUCT (if any) or any other documents (such as javadoc) which are intended to teach you how to use the SOFTWARE PRODUCT, and sample code are not considered as redistributables. Subject to all of the terms and conditions in this SLA, you may reproduce and distribute exact copies of the Redistributables, provided that such copies are made from the original copy of the SOFTWARE PRODUCT or the copy transferred to a hard disk. Copies of Redistributables may only be distributed with and for the sole purpose of executing application programs permitted under this SLA that you have created using the SOFTWARE PRODUCT. You may reformat or recombine the original distribution format of redistributables provided by JIDE. However JIDE will not support or have any liability for such use.

**Installation and Use.** The license granted in this SLA for you to create your own compiled programs and distribute your programs and the Redistributables (if any), is subject to all of the following conditions:

All copies of the programs you create must bear a valid copyright notice, either your own or the JIDE copyright notice that appears on the SOFTWARE PRODUCT.

You may not remove or alter any JIDE copyright, trademark or other proprietary rights notice contained in any portion of JIDE libraries, source code, Redistributables or other files that bear such a notice.

JIDE provides no warranty at all to any person, and you will remain solely responsible to anyone receiving your programs for

support, service, upgrades, or technical or other assistance, and such recipients will have no right to contact JIDE for such services or assistance.

Your programs containing the SOFTWARE PRODUCT must be written using a licensed, registered copy of the SOFTWARE PRODUCT.

Your programs must add primary and substantial functionality, and may not be merely a set or subset of any of the libraries, code, Redistributables or other files of the SOFTWARE PRODUCT.

**Support Services.** JIDE may provide you with support services related to the SOFTWARE PRODUCT ("Support Services"). Use of Support Services is governed by JIDE policies and programs described in the user manual, in on-line documentation and/or other JIDE provided materials. Any supplemental software code provided to you as part of the Support Services shall be considered part of the SOFTWARE PRODUCT and subject to the terms and conditions of this SLA. With respect to technical information you provide to JIDE as part of the Support Services, JIDE may use such information for its business purposes, including for product support and development.

**Software Transfer.** You may NOT permanently or temporarily transfer ANY of your rights under this SLA to any individual or entity. Regardless of any modifications which you make and regardless of how you might compile, link, and/or package your programs, under no circumstances may the libraries, redistributables, and/or other files of the SOFTWARE PRODUCT (including any portions thereof) be used for developing programs by anyone other than you. Only you as the licensed end user have the right to use the libraries, redistributables, or other files of the SOFTWARE PRODUCT (or any portions thereof) for developing programs created with the SOFTWARE PRODUCT. In particular, you may not share copies of the Redistributables with other co-developers. If you leave the company or go to another group where JIDE is no longer used, you may transfer the license to another developer within the team. After the transfer, you are no longer allowed to use SOFTWARE PRODUCT.

**Termination.** Without prejudice to any other rights or remedies, JIDE will terminate this SLA upon your failure to comply with all the terms and conditions of this SLA. In such event, you must destroy all copies of the SOFTWARE PRODUCT and all of its component parts including any related documentation, and must remove ANY and ALL use of such technology with the next generally available release from any applications using technology contained in the SOFTWARE PRODUCT developed by you, whether in native, altered or compiled state.

**Time Limitation:** There is no time limitation on using the SOFTWARE PRODUCT as long as you don't violate this license agreement.

**UPGRADES.** If the SOFTWARE PRODUCT is labeled as an upgrade, you must be properly licensed to use the SOFTWARE PRODUCT identified by JIDE as being eligible for the upgrade in order to use the SOFTWARE PRODUCT. A SOFTWARE PRODUCT labeled as an upgrade replaces and/or supplements the SOFTWARE PRODUCT that formed the basis for your eligibility for the upgrade, and together constitute a single SOFTWARE PRODUCT. You may use the resulting upgraded SOFTWARE PRODUCT only in accordance with all the terms of this SLA.

**COPYRIGHT.** All title and copyrights in and to the SOFTWARE PRODUCT (including but not limited to any images, demos, source code, intermediate files, packages, photographs, animations, video, audio, music, text, and "applets" incorporated into the SOFTWARE PRODUCT), the accompanying printed materials, and any copies of the SOFTWARE PRODUCT are owned by JIDE or its subsidiaries. The SOFTWARE PRODUCT is protected by copyright laws and international treaty provisions. Therefore, you must treat the SOFTWARE PRODUCT like any other copyrighted material except that you may install the SOFTWARE PRODUCT for use by you, a single developer. You may not copy any printed materials accompanying the SOFTWARE PRODUCT.

**GENERAL PROVISIONS.** This SLA may only be modified in writing signed by you and an authorized officer of JIDE. If any provision of this SLA is found void or unenforceable, the remainder will remain valid and enforceable according to its terms.

**MISCELLANEOUS.** If you acquired this product in the United States, this SLA is governed by the laws of the State of CA.

If this SOFTWARE PRODUCT was acquired outside the United States, then you, agree and ascend to the adherence to all applicable international treaties regarding copyright and intellectual property rights which shall also apply. In addition, you

agree that any local law(s) to the benefit and protection of JIDE ownership of, and interest in, its intellectual property and right of recovery for damages thereto will also apply.

Should you have any questions concerning this SLA, or if you desire to contact JIDE for any reason, please contact us via our support web pages at <http://www.jidesoft.com/>.

NO WARRANTIES. JIDE EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE SOFTWARE PRODUCT. THE PRODUCT AND ANY RELATED DOCUMENTATION IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. THE ENTIRE RISK ARISING OUT OF USE OR PERFORMANCE OF THE PRODUCT REMAINS WITH YOU. LIMITATION OF LIABILITY. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL JIDE OR ITS SUPPLIERS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, ANY OTHER PECUNIARY LOSS, ATTORNEY FEES AND COURT COSTS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE PRODUCT OR THE PROVISION OF OR FAILURE TO PROVIDE SUPPORT SERVICES, EVEN IF JIDE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Copyright 1996-2014 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>

Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromeey <tromeey@cygnus.com>

Copyright 2011-2012 Wind River Systems Inc

Copyright 2012 Digia Plc and or its subsidiary

Copyright 2007-2008 Apple Inc

Copyright (c) 2007 Davide Raccagni. All Rights Reserved.

Copyright (C) 1999 Jonathan Revusky

Copyright 2008 Holger Hans Peter Freyther

Copyright 2011 The Dojo Foundation Released

Copyright 2012 Research In Motion <blackberry-qt@qnx.com> Contact

Copyright 1999-2015 The Apache Software Foundation

Copyright (C) 1999 Clancy Malcolm Based on HTMLTokenMarker.java

Copyright 2004-2006 Regents of the University of California

copyright (c) 1999 IBM Corporation. <http://www.ibm.com>.

Copyright (C) 2009 Jakub Wiecek <faw217@gmail.com>

Copyright (C) 2002 Oliver Henning

Copyright 2003-2004 immodule for Qt Project

Copyright 1996-2001 David Turner Robert Wilhelm and Werner Lemberg

Copyright 2007 Staikos Computing Services Inc

Copyright 1999 CERN - European Organization for Nuclear Research

Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant

8Ph(@Xp ( 8 H X h x

Copyright (C) 2011 Klarlvdalens Datakonsult AB

Copyright (C) 1999 Artur Biesiadowski

Copyright 2006 Jerry Huxtable

Copyright 1991-2015 Free Software Foundation Inc

Copyright (c) 2010 Cowboy Ben Alman Dual licensed under the MIT and GPL licenses. <http://benalman.com> about license

Copyright 1996-2015 Free Software Foundation Inc. Written by Gordon Matzigkeit

Copyright 1999-2001 by Eric Albert (ejalbert@cs.stanford.edu) and may be redistributed or modified in any form without restrictions as long as the portion of this comment from this paragraph through the end of the comment is not removed. The author requests that he

Copyright (c) 2005 Your Corporation. All Rights Reserved.

Copyright 2002-2017 JIDE Software Inc

Copyright 2005-2016 Catalysoft Ltd

Copyright (C) 2009 David Faure <dfaure@kdab.net> Contact <http://www.qt-project.org> legal

Copyright 2000 Hans Petter Bieker











jqueryui version 1.8.18

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

\* jQuery UI 1.8.18

\*

\* Copyright 2011, AUTHORS.txt (<http://jqueryui.com/about>)

\* <http://jquery.org/license>

\*

\* <http://docs.jquery.com/UI>

\*/

Copyright (c) 2011 Paul Bakaus, <http://jqueryui.com/>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2011 AUTHORS.txt

Copyright 2013 Steven Benner

Copyright 2011 The Dojo Foundation Released

Copyright 2010 Cowboy Ben Alman Dual

Copyright 2011 John Resig Dual



BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====  
(END LICENSE TEXT)

Copyright 2007-2011 Baptiste Lepilleur Distributed  
Copyright 2007-2010 Baptiste Lepilleur  
Copyright 2007-2010 Baptiste Lepilleur and is released

jsonschema version 2.4  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (c) 2013 Julian Berman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.



or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
  - (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must

include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

=====  
LLVM Release License  
=====

University of Illinois/NCSA  
Open Source License

Copyright (c) 2003-2019 University of Illinois at Urbana-Champaign.  
All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyrights and Licenses for Third Party Software Distributed with LLVM:  
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

| Program           | Directory                                                |
|-------------------|----------------------------------------------------------|
| Google Test       | llvm/utils/unittest/googletest                           |
| OpenBSD regex     | llvm/lib/Support/{reg*, COPYRIGHT.regex}                 |
| pyyaml tests      | llvm/test/YAMLParse/{*.data, LICENSE.TXT}                |
| ARM contributions | llvm/lib/Target/ARM/LICENSE.TXT                          |
| md5 contributions | llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h |

>>>> MIT license





for which the license was given.

? Entities: If you are an entity, Jungo grants you the right to designate one individual within your organization to have the right to use the Software on a single computer in the manner provided below at the site for which the license was given.

(b) Single-user floating license (one concurrent developer):

? Individuals: Jungo grants you as an individual, a personal, non-exclusive, "one-user" license to use the Software (i.e., only you may use the Software) on either stand-alone computers or on computer networks by a maximum of ONE copy of the Software to be running at any given time in the manner provided below at the site for which the license was given.

? Entities: If you are an entity, Jungo grants you the right to designate individuals within your organization to have the right to use the Software on either stand-alone computers or on computer networks by a maximum of ONE copy of the Software to be running at any given time and a maximum of ONE individual using this running copy in the manner provided below at the site for which the license was given.

3. If you have not yet purchased a license to the Software, Licensor grants you the right to use the Software for an evaluation period of 30 days. If you wish to continue using the Software and accompanying written materials after the evaluation period, you must register the Software by sending the required payment to Licensor. You will then receive a license for continued use and a registration code that will permit you to use the Software on a single computer free of payment reminders. The Software may come with extra programs and features that are available for use only to registered users through the use of their registration code.

## RESTRICTIONS ON USE AND TRANSFER

### 4. Files distribution:

(a) You may not distribute any of the headers or source files that are included in the Software package unless otherwise specified in this section.

(b) The license allows you, royalty free, to distribute the following files only when complying with sections 4c ? 4f and section 5 of this agreement:

? Windows:

? windrvr6.sys

? wdapi811.dll

? wdapi\_dotnet811.dll (Windows 2000/XP/Server 2003/Vista)

? wreg.exe

? difxapi.dll

? Windows CE:

? windrvr6.dll

? wdapi811.dll

? Linux:

? windrvr\_gcc\_v2.a windrvr\_gcc\_v3.a windrvr\_gcc\_v3\_regparm.a

? kp\_linux\_gcc\_v2.o kp\_linux\_gcc\_v3.o kp\_linux\_gcc\_v3\_regparm.o

? libwdapi811.so kp\_wdapi811\_gcc\_v2.a

? kp\_wdapi811\_gcc\_v3.a, kp\_wdapi811\_gcc\_v3\_regparm.a

? linux\_wrappers.c, linux\_wrappers.h, wdbus\_linux.c, wdbus\_interface.h, wd\_ver.h,

linux\_common.h, windrvr.h

? wreg

? Solaris:

? windrvr6

? libwdapi811.so

? VxWorks:

? windrvr6.o

(c) The files listed in section 4b may be distributed only as part of the application you are distributing, and only if they significantly contribute to the functionality of your application.

(d) NOTE: The distribution of the windrvr.h header file is permitted only on Linux.

(e) You may not modify the distributed files specified in section 4b of this agreement.

(f) You may not distribute any header file that describes the WinDriver functions, or functions that

call the WinDriver functions and have the same basic functionality as that of the WinDriver functions.

5. WinDriver may not be used to develop a development product, an API, or any products, which will eventually be part of a development product or environment, without the written consent of the licensor.
6. You may make printed copies of the written materials accompanying the Software provided that only users bound by this license use them.
7. You may not distribute or transfer your registration code or transfer the rights given by the registration code.
8. You may not rent or lease the Software or otherwise transfer or assign the right to use the Software.
9. You may not reverse engineer, decompile, or disassemble the Software.

#### DISCLAIMER OF WARRANTY

10. THIS SOFTWARE AND ITS ACCOMPANYING WRITTEN MATERIALS ARE PROVIDED BY LICENSOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT, ARE DISCLAIMED.

11. IN NO EVENT SHALL LICENSOR OR ITS SUPPLIERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, SAVINGS, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Because some states do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

12. This Agreement is governed by the laws of the state of Israel.

13. If you have any questions concerning this Agreement or wish to contact Licensor for any reason, please write:

Jungo ? 1997 - 2006

Web site: <http://www.jungo.com>

E-mail: [sales@jungo.com](mailto:sales@jungo.com)

Voice: 1-877-514-0537(USA) +972-9-885-9365(Worldwide)

Fax: 1-877-514-0538(USA) +972-9-885-9366(Worldwide)

Address: Jungo

1 HaMachsev st.

P.O.Box 8493

Netanya

Zip code 42504

Israel

#### U.S. GOVERNMENT RESTRICTED RIGHTS

14. The Software and documentation are provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the Government is subject to restrictions set forth in subparagraph (c)(1) of The Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 or subparagraphs (c)(1)(ii) and (2) of Commercial Computer Software - Restricted Rights at 48 CFR 52.227-19, as applicable.

1997 - 2006 JUNGO

Copyright Jungo Ltd. <http://www.jungo.com>

Copyright 1997-2010 Build Date Aug

Copyright 2010 Jungo Ltd

1997 - 2006 Web site <http://www.jungo.com> E-mail [sales@jungo.com](mailto:sales@jungo.com)





ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

liberty parser version 1.9

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

Copyright (c) 1996-2000 Synopsys, Inc. ALL RIGHTS RESERVED

The contents of this file are subject to the restrictions and limitations set forth in the SYNOPSIS Open Source License Version 1.0 (the "License"); you may not use this file except in compliance with such restrictions and limitations. You may obtain instructions on how to receive a copy of the License at

<http://www.synopsys.com/partners/tapin/tapinprogram.html>.

Software distributed by Original Contributor under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either expressed or implied. See the License for the specific language governing rights and limitations under the License.

SYNOPSIS Open Source  
SDC License Agreement

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS SYNOPSIS OPEN SOURCE LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

## 1. DEFINITIONS

"Contribution" means:

- a) in the case of Synopsys, Inc., ("Synopsys"), the Original Program, and
- b) in the case of each Contributor,
  - i) changes to the Program, and
  - ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was made by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means Synopsys and any other entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor that are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program. A Licensed Patent only includes claims directed towards a data structure, algorithm, technique or method that is directly implemented by the Contribution alone or by the Contribution combined with the Program existing at the time the Contribution is made.

"Original Program" means the original version of the SDC format specification and reference implementation accompanying this Agreement as released by Synopsys, including source code, object code and documentation, if any.

"Program" means the Original Program and other Contributions.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

- a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
- b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under that Contributor's Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The scope of a Contributor's Licensed Patents shall be limited solely to the extent of that Contributor's Contribution. The patent license shall not apply to any other combinations that include the Contribution.
- c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
- d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

## 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- a) it complies with the terms and conditions of this Agreement; and
- b) its license agreement:
  - i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  - iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
  - iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program.

Each Contributor must include the following in a conspicuous location in the Program:

Copyright © {date here}, Synopsys, Inc. and others. All Rights reserved.

In addition, each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

#### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

#### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

#### 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.













unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.

(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

Copyright 1992-2013 Free Software Foundation Inc

Copyright 2004-2005, 2007, 2009 Free Software Foundation Inc. Written by Scott James Remnant

Copyright 1988-1989 Jef Poskanzer

Copyright (C) 1996-2013 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>

Copyright 1991-2013 Thomas G. Lane Guido Vollbeding



**COPYRIGHT TEXT:**

\* Copyright (c) 1980-1998 The Regents of the University of California. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.

\* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:

\* This product includes software developed by the Computer Systems  
\* Engineering Group at Lawrence Berkeley Laboratory.

\* 4. Neither the name of the University nor of the Laboratory may be used  
\* to endorse or promote products derived from this software without  
\* specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

**COPYRIGHT TEXT:**

\* ATM support:

\* Copyright (c) 1997 Yen Yen Lim and North Dakota State University All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.

\* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:

\* This product includes software developed by Yen Yen Lim and  
\* North Dakota State University

\* 4. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR  
\* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE  
\* DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT,  
\* INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  
\* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR



- \* SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
- \* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
- \* ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
- \* POSSIBILITY OF SUCH DAMAGE.

COPYRIGHT TEXT:

- \* Copyright (c) 1990-1997
- \* The Regents of the University of California. All rights reserved.
- \*
- \* This code is derived from the Stanford/CMU enet packet filter,
- \* (net/enet.c) distributed as part of 4.3BSD, and code contributed
- \* to Berkeley by Steven McCanne and Van Jacobson both of Lawrence
- \* Berkeley Laboratory.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. All advertising materials mentioning features or use of this software
- \* must display the following acknowledgement:
- \* This product includes software developed by the University of
- \* California, Berkeley and its contributors.
- \* 4. Neither the name of the University nor the names of its contributors
- \* may be used to endorse or promote products derived from this software
- \* without specific prior written permission.
- \*

- \* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND
- \* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
- \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- \* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
- \* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
- \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
- \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
- \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
- \* SUCH DAMAGE.

COPYRIGHT TEXT:

- \* Copyright (c) 2011-2012 Jakub Zawadzki. All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \*
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote

\* products derived from this software without specific prior written  
\* permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### COPYRIGHT TEXT:

\* Copyright (c) 1996

\* Juniper Networks, Inc. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that: (1) source code distributions  
\* retain the above copyright notice and this paragraph in its entirety, (2)  
\* distributions including binary code include the above copyright notice and  
\* this paragraph in its entirety in the documentation or other materials  
\* provided with the distribution. The name of Juniper Networks may not  
\* be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

#### COPYRIGHT TEXT:

\* Copyright (C) 1995-1999 WIDE Project. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the project nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

COPYRIGHT TEXT:

\* Copyright (c) 2006 Paolo Abeni (Italy). All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.

\* 3. The name of the author may not be used to endorse or promote  
\* products derived from this software without specific prior written  
\* permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*

\*By Paolo Abeni <paolo.abeni@email.it>

COPYRIGHT TEXT:

\* pcap-sita.c: Packet capture interface additions for SITA ACN devices

\* Copyright (c) 2007 Fulko Hew, SITA INC Canada, Inc <fulko.hew@sita.aero>

\* License: BSD

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in  
\* the documentation and/or other materials provided with the  
\* distribution.

\* 3. The names of the authors may not be used to endorse or promote  
\* products derived from this software without specific prior  
\* written permission.

\*

\* THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR  
\* IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED  
\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

COPYRIGHT TEXT:

\* Portions Copyright (c) 1993 by Digital Equipment Corporation.

\*  
\* Permission to use, copy, modify and distribute this software for any  
\* purpose with or without fee is hereby granted, provided that the above  
\* copyright notice and this permission notice appear in all copies, and that  
\* the name of Digital Equipment Corporation not be used in advertising or  
\* publicity pertaining to distribution of the document or software without  
\* specific, written prior permission.

\*  
\* THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL  
\* WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES  
\* OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT  
\* CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL  
\* DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR  
\* PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS  
\* ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS  
\* SOFTWARE.

COPYRIGHT TEXT:

\* Copyright (c) 1995-1999 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden).  
\* All rights reserved.

\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*  
\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\*  
\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.

\*  
\* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:  
\* This product includes software developed by the Kungliga Tekniska  
\* Högskolan and its contributors.

\*  
\* 4. Neither the name of the Institute nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\*  
\* THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

COPYRIGHT TEXT:

\* Copyright (c) 2001 Atsushi Onoe  
\* Copyright (c) 2002-2005 Sam Leffler, Errno Consulting

\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:  
\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* Alternatively, this software may be distributed under the terms of the  
\* GNU General Public License ("GPL") version 2 as published by the Free  
\* Software Foundation.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR  
\* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES  
\* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.  
\* IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,  
\* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT  
\* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF  
\* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

COPYRIGHT TEXT:

```
# Copyright (c) 1994, 1996
#   The Regents of the University of California. All rights reserved.
#
# Redistribution and use in source and binary forms are permitted
# provided that this notice is preserved and that due credit is given
# to the University of California at Berkeley. The name of the University
# may not be used to endorse or promote products derived from this
# software without specific prior written permission. This software
# is provided ``as is" without express or implied warranty.
```

COPYRIGHT TEXT:

```
* Copyright (c) 1999 - 2005 NetGroup, Politecnico di Torino (Italy)
* Copyright (c) 2005 - 2009 CACE Technologies, Inc. Davis (California)
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the Politecnico di Torino nor the names of its
* contributors may be used to endorse or promote products derived from
* this software without specific prior written permission.
```

\*  
\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
\*

COPYRIGHT TEXT:

\* Copyright (c) 2009 Felix Obenhuber. All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote  
\* products derived from this software without specific prior written  
\* permission.  
\*

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

COPYRIGHT TEXT:

# Copyright (C) 1992-1996, 1998-2012 Free Software Foundation, Inc.  
# This configure script is free software; the Free Software Foundation  
# gives unlimited permission to copy, distribute and modify it.

COPYRIGHT TEXT:

\* pcap-linux.c: Packet capture interface to the Linux kernel  
\* Copyright (c) 2000 Torsten Landschoff <torsten@debian.org>  
\* Sebastian Kraemer <kraemer@cs.uni-potsdam.de>  
\* License: BSD  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:  
\*

- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

\* Modifications: Added PACKET\_MMAP support  
 \* Paolo Abeni <paolo.abeni@email.it>  
 \* Added TPACKET\_V3 support  
 \* Gabor Tatarka <gabor.tatarka@ericsson.com>

\* based on previous works of:  
 \* Simon Patarin <patarin@cs.unibo.it>  
 \* Phil Wood <cpw@lanl.gov>

\* Monitor-mode support for mac80211 includes code taken from the iw command; the copyright notice for that code is

\* Copyright (c) 2007, 2008 Johannes Berg  
 \* Copyright (c) 2007 Andy Lutomirski  
 \* Copyright (c) 2007 Mike Kershaw  
 \* Copyright (c) 2008 G bor Stefanik

\* All rights reserved.

\* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

COPYRIGHT TEXT:

\* Copyright (c) 1993,1994 Texas A&M University. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.

\* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:

\* This product includes software developed by Texas A&M University  
\* and its contributors.

\* 4. Neither the name of the University nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE UNIVERSITY AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*

\* Developers:

\* David K. Hess, Douglas Lee Schales, David R. Safford

\*

\* Heavily modified for Metaware HighC + GNU C 2.8+

\* Gisle Vanem 1998

COPYRIGHT TEXT:

\* Copyright (c) 1983 Regents of the University of California.

\* All rights reserved.

\*

\* Redistribution and use in source and binary forms are permitted  
\* provided that the above copyright notice and this paragraph are  
\* duplicated in all such forms and that any documentation,  
\* advertising materials, and other materials related to such  
\* distribution and use acknowledge that the software was developed  
\* by the University of California, Berkeley. The name of the  
\* University may not be used to endorse or promote products derived  
\* from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR  
\* IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED  
\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

COPYRIGHT TEXT:

\* Copyright (c) 1999 – 2003 NetGroup, Politecnico di Torino (Italy). All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without



- \* modification, are permitted provided that the following conditions
- \* are met:
- \*
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the Politecnico di Torino nor the names of its
- \* contributors may be used to endorse or promote products derived from
- \* this software without specific prior written permission.
- \*

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### COPYRIGHT TEXT:

- \* Copyright (c) 1993, 1994, 1995, 1996, 1997
- \* The Regents of the University of California. All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that: (1) source code distributions
- \* retain the above copyright notice and this paragraph in its entirety, (2)
- \* distributions including binary code include the above copyright notice and
- \* this paragraph in its entirety in the documentation or other materials
- \* provided with the distribution, and (3) all advertising materials mentioning
- \* features or use of this software display the following acknowledgement:
- \* ``This product includes software developed by the University of California,
- \* Lawrence Berkeley Laboratory and its contributors." Neither the name of
- \* the University nor the names of its contributors may be used to endorse
- \* or promote products derived from this software without specific prior
- \* written permission.
- \* THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED
- \* WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF
- \* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
- \*
- \* This code contributed by Atanu Ghosh (atanu@cs.ucl.ac.uk),
- \* University College London, and subsequently modified by
- \* Guy Harris (guy@alum.mit.edu), Mark Pizzolato
- \* <List-tcpdump-workers@subscriptions.pizzolato.net>,
- \* Mark C. Brown (mbrown@hp.com), and Sagun Shakya <Sagun.Shakya@Sun.COM>.

#### COPYRIGHT TEXT:

- \* Copyright (c) 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997
- \* The Regents of the University of California. All rights reserved.
- \*
- \* This code is derived from the Stanford/CMU enet packet filter,
- \* (net/enet.c) distributed as part of 4.3BSD, and code contributed

\* to Berkeley by Steven McCanne and Van Jacobson both of Lawrence  
\* Berkeley Laboratory.

\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:  
\* This product includes software developed by the University of  
\* California, Berkeley and its contributors.
- \* 4. Neither the name of the University nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

#### COPYRIGHT TEXT:

# Copyright 1991 by the Massachusetts Institute of Technology  
#  
# Permission to use, copy, modify, distribute, and sell this software and its  
# documentation for any purpose is hereby granted without fee, provided that  
# the above copyright notice appear in all copies and that both that  
# copyright notice and this permission notice appear in supporting  
# documentation, and that the name of M.I.T. not be used in advertising or  
# publicity pertaining to distribution of the software without specific,  
# written prior permission. M.I.T. makes no representations about the  
# suitability of this software for any purpose. It is provided "as is"  
# without express or implied warranty.

#### COPYRIGHT TEXT:

\* Copyright 1989 by Carnegie Mellon.  
\*  
\* Permission to use, copy, modify, and distribute this program for any  
\* purpose and without fee is hereby granted, provided that this copyright  
\* and permission notice appear on all copies and supporting documentation,  
\* the name of Carnegie Mellon not be used in advertising or publicity  
\* pertaining to distribution of the program without specific prior  
\* permission, and notice be given in supporting documentation that copying  
\* and distribution is by permission of Carnegie Mellon and Stanford  
\* University. Carnegie Mellon makes no representations about the  
\* suitability of this software for any purpose. It is provided "as is"



This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License along with this library; see the file COPYING3. If not see <<http://www.gnu.org/licenses/>>.

+++++

The text of the GCC RUNTIME LIBRARY EXCEPTION Version 3.1 (31 March 2009), a copy of which is made available below in Part Four of this document, was originally presented here.

+++++

The text of the GNU Lesser General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

The text of the GNU General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

The text of the GNU Lesser General Public License, Version 2.1 (February 1999), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

+++++

Copyright 2001 Benjamin Kosnik <[bkoz@redhat.com](mailto:bkoz@redhat.com)>  
Copyright (c) 2002-2009 Gabriel Dos Reis [gdr@integrable-solutions.net](mailto:gdr@integrable-solutions.net)  
Copyright (c) 2002-2009 Benjamin Kosnik [bkoz@redhat.com](mailto:bkoz@redhat.com)

Permission to use, copy, modify, sell, and distribute this software is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation. None of the above authors, nor IBM Haifa Research Laboratories, make any representation about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

You should have received a copy of the GNU General Public License along with this library; see the file COPYING. If not, write to the Free Software Foundation, 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

As a special exception, you may use this file as part of a free software library without restriction. Specifically, if other files instantiate templates or use macros or inline functions from this file, or you compile this file and link it with other files to produce an executable, this file does not by itself cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License.

+++++











IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Daniel Veillard shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

-----

Licence for libexslt

-----

Copyright (C) 2001-2002 Thomas Broyer, Charlie Bozeman and Daniel Veillard.  
All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the authors shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

linaro gcc tool chain for cortex a53 & a9 version 6.2

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

-----

Copyright (C) 1985-2016 Free Software Foundation, Inc.

Copyright (C) 2014 Free Software Foundation, Inc. This script is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

-----  
Copyright 1987-2015 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. As a special exception to the GNU General Public License, if you distribute this file as part of a program that contains a configuration script generated by Autoconf, you may include it under the same distribution terms that you use for the rest of that program.

-----  
Copyright (C) 1986-2016 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; see the file COPYING3. If not see <<http://www.gnu.org/licenses/>.

-----  
Copyright(C) 1986-2014 Free Software Foundation, Inc. This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software foundation; either version 2, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software \*\*\* Foundation, \*\*\* Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

-----  
The following applies to GNU Libtool: As a special exception to the GNU General Public License, if you distribute this file as part of a program or library that is built using GNU Libtool, you may include this file under the same distribution terms that you use for the rest of that program. GNU Libtool is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

-----  
Copyright (C) 2008, 2009, 2010, 2012 Free Software Foundation, Inc.  
This script is Free Software, and it can be copied,  
distributed and modified as defined in the GNU General Public License. A copy of  
its license can be downloaded from <http://www.gnu.org/copyleft/gpl.html> Start  
this script in an up to date build-tree/gcc directory. Using it in stage1 only  
works if the host compiler is GCC. To continue an interrupted check, make sure  
there are no .o.backup files lying around (i.e., move them back to their  
original name), and set \$start\_after to the name of the last object that should  
be skipped.

-----  
Copyright (C) 2014 Free Software Foundation, Inc. This script is free software; you  
can redistribute it and/or modify it under the terms of the GNU General Public  
License as published by the Free Software Foundation; either version 3, or (at  
your option) any later version.

-----  
Copyright (C) 1992, 1993, 1994, 1995, 1996, 1998, 1999, 2000, 2001, 2002, 2003,  
2004, 2005, 2006, 2007, 2008, 2009 Free Software Foundation, Inc. This configure  
script is free software; the Free Software Foundation gives unlimited permission  
to copy, distribute and modify it. -----

-----  
Copyright (C) 2007 Free Software Foundation, Inc THIS MATERIAL IS PROVIDED AS IS,  
WITH ABSOLUTELY NO WARRANTY EXPRESSED OR IMPLIED. ANY USE IS AT YOUR OWN RISK.  
Permission is hereby granted to use or copy this program for any purpose,  
provided the above notices are retained on all copies. Permission to modify the  
code and to distribute modified code is granted, provided the above notices are  
retained, and a notice that the code was modified is included with the above  
copyright notice. /

-----  
Copyright (C) 1999-2004 by Hewlett-Packard Company. All rights reserved. THIS MATERIAL IS  
PROVIDED AS IS, WITH ABSOLUTELY NO WARRANTY EXPRESSED OR IMPLIED. ANY USE IS AT  
YOUR OWN RISK. Permission is hereby granted to use or copy this program for any  
purpose, provided the above notices are retained on all copies. Permission to  
modify the code and to distribute modified code is granted, provided the above  
notices are retained, and a notice that the code was modified is included with  
the above copyright notice. /

-----  
Copyright (C) 1991-1995 by Xerox Corporation. All rights reserved. THIS MATERIAL IS  
PROVIDED AS IS, WITH ABSOLUTELY NO WARRANTY EXPRESSED OR IMPLIED. ANY USE IS AT  
YOUR OWN RISK. Permission is hereby granted to use or copy this program for any  
purpose, provided the above notices are retained on all copies. Permission to  
modify the code and to distribute modified code is granted, provided the above  
notices are retained, and a notice that the code was modified is included with  
the above copyright notice. / Boehm, August 9, 1995 6:09 pm PDT /

-----  
Copyright (C) 1998, 1999, 2000, 2002, 2003, 2004, 2007, 2009, 2010 Free Software Foundation Originally by Alexandre Oliva <oliva@dcc.unicamp.br> This script is Free Software, and it can be copied, distributed and modified as defined in the GNU General Public License. A copy of its license can be downloaded from <http://www.gnu.org/copyleft/gpl.html>

-----  
Copyright(c) 1997 Christian Michelsen Research AS Advanced Computing Fantoftvegen 38, 5036 BERGEN, Norway <http://www.cmr.no> Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Christian Michelsen Research AS makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. /

-----  
Copyright(C) 2009-2010 Mathias Svensson ( <http://result42.com> ) For more info read MiniZip\_info.txt Condition of use and distribution are the same than zlib : This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

-----  
Copyright(c) 2004, Eugene Kuleshov All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----

Copyright(C) 1991-2005 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified. THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder. /

-----  
Copyright(c) 1996,1997 by Silicon graphics. All rights reserved. THIS MATERIAL IS PROVIDED AS IS, WITH ABSOLUTELY NO WARRANTY EXPRESSED OR IMPLIED. ANY USE IS AT YOUR OWN RISK. Permission is hereby granted to use or copy this program for any purpose, provided the above notices are retained on all copies. Permission to modify the code and to distribute modified code is granted, provided the above notices are retained, and a notice that the code was modified is included with the above copyright notice. /

-----  
Copyright Jeremy Siek 2000. Permission to copy, use, modify, sell and distribute this software is granted provided this copyright notice appears in all copies. This software is provided "as is" without express or implied warranty, and with no claim as to its suitability for any purpose.

-----  
Copyright(C) 2002 Peter Dimov Distributed under the Boost Software License, Version 1.0.

-----  
Copyright(c) 2010,2011 Plausible Labs Cooperative, Inc.  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The

above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----  
Copyright(c) 2002, 2007 Bo Thorsen <bo@suse.de> x86-64 Foreign Function Interface  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----  
Copyright(c) 1998 Geoffrey Keating PowerPC Foreign Function Interface Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----  
Copyright(c) 2008 Anthony Green SuperH SHmedia Foreign Function Interface  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the

Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----

Copyright(c) 2012 Tiler Corp. TILE Foreign Function Interface Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

Copyright(c) 2009 Bradley Smith <brad@brad-smith.co.uk> Target configuration macros for AVR32. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----

Copyright(c) 2012 Alexandre K. I. de Mendonca <alexandre.keunecke@gmail.com> Blackfin Foreign Function Interface Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the

following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /  
-----  
Copyright(C) 1996-2002 Julian R Seward. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Julian Seward, Cambridge, UK. jseward@acm.org bzip2/libbzip2 version 1.0 of 21 March 2000 This program is based on (at least) the work of: Mike Burrows David Wheeler Peter Fenwick Alistair Moffat Radford Neal Ian H. Witten Robert Sedgewick Jon L. Bentley For more information on these sources, see the manual.

-----  
CXB30040.C Grant of Unlimited Rights Under contracts F33600-87-D-0337, F33600-84-D-0280, MDA903-79-C-0687, F08630-91-C-0015, and DCA100-97-D-0025, the U.S. Government obtained unlimited rights in the software and documentation contained herein. Unlimited rights are defined in DFAR 252.227-7013(a)(19). By making this public release, the Government intends to confer upon all recipients unlimited rights equal to those held by the Government. These rights include rights to use, duplicate, release or disclose the released technical data and computer software in whole or in part, in any manner and for any purpose whatsoever, and to have or permit others to do so. DISCLAIMER ALL MATERIALS OR INFORMATION HEREIN RELEASED, MADE AVAILABLE OR DISCLOSED ARE AS IS. THE GOVERNMENT MAKES NO EXPRESS OR IMPLIED WARRANTY AS TO ANY MATTER WHATSOEVER, INCLUDING THE CONDITIONS OF THE SOFTWARE, DOCUMENTATION OR OTHER INFORMATION RELEASED, MADE AVAILABLE OR DISCLOSED, OR THE OWNERSHIP, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OF SAID MATERIAL.

-----  
Copyright(C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr) The authors



hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply. /

-----

Copyright(c) 2008 Anthony Green The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply. /

-----

Copyright(c) 2011 Aeroflex Gaisler BSD license: Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. /

-----

Copyright(C) 2009 Conny Marco MenebrÃ¶cker All rights reserved. Redistribution and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

-----

Copyright(c) 2004, 2005 by Ralf Corsepius

-----

Copyright(c) 2011 Ed Schouten <ed@FreeBSD.org> David Chisnall <theraven@FreeBSD.org> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or

other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 2004 Stefan Farfeleder. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Written by Joel Sherrill <joel@OARcorp.com>. COPYRIGHT (c) 1989-2010. On-Line Applications Research Corporation (OAR). Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software. THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE. \$Id\$  
/  
-----

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 1997-2002 FreeBSD Project. All rights reserved. Redistribution and use

in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 2012-2013, Linaro Limited All rights reserved. Redistribution and use

in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the

name of the Linaro nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----

Copyright 2007 TOSHIBA CORPORATION All Rights Reserved Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the names of Toshiba nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 1991 by AT&T. Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software. THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE. /

-----

Copyright(C) 1998,2000,2001 by Lucent Technologies All Rights Reserved Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior

permission. LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----  
Copyright(c) 2001 Mike Barcroft <mike@FreeBSD.org> All rights reserved.  
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 1993 Martin Birgmeier All rights reserved. You may redistribute unmodified or modified versions of this source code provided that the above copyright notice and this and the following conditions are retained. This software is provided ``as is", and comes with no warranties of any kind. I shall in no event be liable for anything that happens to anyone/anything when using this software. /

-----  
Copyright(c) 1998, M. Warner Losh <imp@freebsd.org> All rights reserved.  
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING

IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(C) 2007, 2008, 2010 Eric Blake

-----  
Copyright(c) 1998 Todd C. Miller <Todd.Miller@courtesan.com> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c)1999 Citrus Project, All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 1995, 1999 Berkeley Software Design, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions

of source code must retain the above copyright notice, this list of conditions and the following disclaimer. THIS SOFTWARE IS PROVIDED BY Berkeley Software Design, Inc. ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL Berkeley Software Design, Inc. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 1993 by Digital Equipment Corporation. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission. THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----

Copyright(c) 1988, 1993 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(C) 1997, Joerg Wunsch. This software is distributed with NO WARRANTIES, not even the implied warranties for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. Authors grant any other persons or organizations permission to use or modify this software as long as this message is kept with the software, all derivative works or modified versions.

-----  
Copyright(c) 1988, Julian Onions <jpo@cs.nott.ac.uk> Nottingham University 1987. /

-----  
Copyright(c) 1988, Julian Onions <jpo@cs.nott.ac.uk> Nottingham University 1987.  
This source may be freely distributed.

-----  
Copyright 1998 Massachusetts Institute of Technology Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that both the above copyright notice and this permission notice appear in all copies, that both the above copyright notice and this permission notice appear in all supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty. THIS SOFTWARE IS PROVIDED BY M.I.T. ``AS IS". M.I.T. DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL M.I.T. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 1998,2000 Brian Somers <brian@Awfulhak.org> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,



PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 1998, Larry Lile All rights reserved. For latest sources and information on this driver, please go to <http://anarchy.stdio.com>. Questions, comments or suggestions should be directed to Larry Lile <lile@stdio.com>. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice unmodified, this list of conditions, and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 1996 Matthew R. Green All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----

Copyright(c) 1994 The Australian National University. All rights reserved. Permission to use, copy, modify, and distribute this software and its documentation is hereby granted, provided that the above copyright notice appears in all copies. This software is provided without any warranty, express or implied. The Australian National University makes no representations about

the suitability of this software for any purpose. IN NO EVENT SHALL THE AUSTRALIAN NATIONAL UNIVERSITY BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE AUSTRALIAN NATIONAL UNIVERSITY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE AUSTRALIAN NATIONAL UNIVERSITY SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE AUSTRALIAN NATIONAL UNIVERSITY HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

-----  
Copyright(c) 2000 Akamba Corp. All rights reserved Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(C) 2001,2002,2007,2008,2012 Hans-Peter Nilsson Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. /

-----  
Copyright(c) 1999 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden). All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,

SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----

Copyright(c) 2009 Charles S. Wilson Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. /

-----

Copyright(c) 1996-2005, 2007, 2008, 2009, 2010 2011 2013 Red HatRed Hat Incorporated. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. The name of Red HatRed HatRed Hat Incorporated may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL RED HATRED HAT INCORPORATED BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

ffi.c - (c) 2011 Anthony Green (c) 2008 Red Hat, Inc. (c) 2006 Free Software Foundation, Inc. (c) 2003-2004 Randolph Chung <tausq@debian.org> HPPA Foreign Function Interface HP-UX PA ABI support Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice

shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----

Copyright(c) 2004 Renesas Technology. Target configuration macros for M32R. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software''), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL RENESAS TECHNOLOGY BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----- /

-----

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of "The Computer Language Benchmarks Game" nor the name of "The Computer Language Shootout Benchmarks" nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 2003-2004, Artem B. Bitvuckiy Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or

other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2003-2004, Artem B. Bityuckiy modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 2003-2004, Artem B. Bityuckiy, SoftMine Corporation. Rights transferred to Franklin Electronic Publishers. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2003-2004, Artem B. Bityuckiy. Rights transferred to Franklin Electronic Publishers. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions

in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 2003, Artem B. Bitvuckiy (dedekind@mail.ru). Redistribution and use in source and binary forms, with or without modification, are permitted provided that the above copyright notice, this condition statement, and the following disclaimer are retained in any redistributions of the source code. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 1999,2000, Konstantin Chuguev. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(C) 1984, Sun Microsystems, Inc.

-----  
Copyright(c) 2007, 2010 The NetBSD Foundation, Inc. All rights reserved. This code is derived from software written by Stephen L. Moshier. It is redistributed by the NetBSD Foundation by permission of the author. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright 2001,2006,2007,2008, / International Business Machines Corporation, / Sony Computer Entertainment, Incorporated, / Toshiba Corporation, // All Rights Reserved. // Redistribution and use in source and binary forms, with or / without modification, are permitted provided that the / following conditions are met: / / - Redistributions of source code must retain the above copyright/ notice, this list of conditions and the following disclaimer. // - Redistributions in binary form must reproduce the above / copyright notice, this list of conditions and the following / disclaimer in the documentation and/or other materials / provided with the distribution. // - Neither the name of IBM Corporation nor the names of its / contributors may be used to endorse or promote products / derived from this software without specific prior written / permission. // THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND / CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, / INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF / MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE / DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR / CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, / SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT / NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; / LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) / HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN / CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR / OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, / EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2001 Christopher G. Demetriou All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name

of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright 2001, 2002, 2003 Broadcom Corporation. All rights reserved. This software is furnished under license and may be used and copied only in accordance with the following terms and conditions. Subject to these conditions, you may download, copy, install, use, modify and distribute modified or unmodified copies of this software in source and/or binary form. No title or ownership is transferred hereby. 1) Any source code used, modified or distributed must reproduce and retain this copyright notice and list of conditions as they appear in the source file. 2) No Copyright is granted to use any trade name, trademark, or logo of Broadcom Corporation. The "Broadcom Corporation" name may not be used to endorse or promote products derived from this software without the prior written permission of Broadcom Corporation. 3) THIS SOFTWARE IS PROVIDED "AS-IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT ARE DISCLAIMED. IN NO EVENT SHALL BROADCOM BE LIABLE FOR ANY DAMAGES WHATSOEVER, AND IN PARTICULAR, BROADCOM SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY.

-----  
Copyright(c) 1980-1983, 1985-1994, 1998, 2000-2002 The Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /



-----  
Copyright(C) 1997 by Andrey A. Chernov, Moscow, Russia. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 2001, Thai Open Source Software Center Ltd All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the Thai Open Source Software Center Ltd nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2000, 2003, 2004 World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved. This work is distributed under the W3C(r) Software License [1] in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. [1] <http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231/>

#### W3C® SOFTWARE NOTICE AND LICENSE

Copyright © 1994-2001 World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. <http://www.w3.org/Consortium/Legal/>

This W3C work (including software, documents, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications, that you make:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, a short notice of the following form (hypertext is preferred, text is permitted) should be used within the body of any redistributed or derivative code: "Copyright © [\$date-of-software] World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved.  
<http://www.w3.org/Consortium/Legal/>"
3. Notice of any changes or modifications to the W3C files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

-----  
Copyright(C) The Internet Society 2000, 2003. All Rights Reserved. This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English. The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns. This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. /

-----  
Copyright(C) 2002, 2003, 2004, 2005 Simon Josefsson

-----  
Copyright(c) 1987-1991,1995 Carnegie Mellon University All Rights Reserved.  
Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation. CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN

ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE. Carnegie Mellon requests users of this software to return to Software Distribution Coordinator or Software.Distribution@CS.CMU.EDU School of Computer Science Carnegie Mellon University Pittsburgh PA 15213-3890 any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes. /

-----  
Copyright(c)2010-2012 Oracle America, Inc. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2000 - 2004, Intel Corporation All rights reserved. Contributed 2000 by the Intel Numerics Group, Intel Corporation Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Intel Corporation is the author of this code, and requests that all problem reports or change requests be submitted to it directly at <http://www.intel.com/software/products/opensource/libraries/num.htm>.

-----  
Copyright(C) 1992 Eric Young / Collected from libdes and modified for SECURE RPC by Martin Kuck 1994 /

-----  
Copyright(C) 1987, Sun Microsystems, Inc. /

-----  
Copyright 1984, 1991 by Stephen L. Moshier Adapted for glibc November, 2001 This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <<http://www>.

-----  
Copyright(C) 1993, 2011 by Sun Microsystems, Inc. All rights reserved. Developed at SunPro, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is

-----  
Copyright(C) 1993 by Sun microsystems, Inc. All rights reserved. Developed at sunsoft, a Sun microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is

-----  
Copyright(C) 2004 by Sun microsystems, Inc. All rights reserved. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is

-----  
Copyright(C) 1984-1991, 1994, 1996, 1997 Sun microsystems, Inc. /

-----  
Copyright(c) 2009, Sun microsystems, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. - Neither the name of Sun microsystems, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Sun RPC is a

product of Sun microsystems, Inc. and is provided for unrestricted use provided that this legend is included on all tape media and as a part of the software program in whole or part. Users may copy or modify Sun RPC without charge, but are not authorized to license or distribute it to anyone else except as part of a product or program developed by the user. SUN RPC IS PROVIDED AS IS WITH NO WARRANTIES OF ANY KIND INCLUDING THE WARRANTIES OF DESIGN, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE. Sun RPC is provided with no support and without any obligation on the part of Sun microsystems, Inc. to assist in its use, correction, modification or enhancement. SUN MICROSYSTEMS, INC. SHALL HAVE NO LIABILITY WITH RESPECT TO THE INFRINGEMENT OF COPYRIGHTS, TRADE SECRETS OR ANY PATENTS BY SUN RPC OR ANY PART THEREOF. In no event will Sun microsystems, Inc. be liable for any lost revenue or profits or other special, indirect and consequential damages, even if Sun has been advised of the possibility of such damages.

-----  
Copyright 1995 by Tom Lord All Rights Reserved Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----  
Copyright(c) 1995-1999 by Internet Software Consortium. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /

-----  
Copyright(c) 1997-2003 University of Cambridge Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions: 1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. 2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England. somewhere reasonably visible in your

documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/ should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently). 3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. 4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

-----  
Copyright 1995,2001,2006-2008 International business Machines Corporation All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY

-----  
Copyright IBM Corp. 2005-2009 All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright 2007 Sony Corp. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----  
Copyright(c) 1997 John D. Polstra. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(C) 1995-2003, 2010 Jean-loup Gailly.

-----  
Copyright(C) 1995-2012 Jean-loup Gailly detect\_data\_type() function provided freely by Cosmin Truta, 2006 For conditions of distribution and use, see copyright notice in zlib.h

-----  
Copyright(C) 1995-2012 Jean-loup Gailly and Mark Adler For conditions of distribution and use, see copyright notice in zlib.h

-----  
Copyright(C) 1995-2012 Jean-loup Gailly and Mark Adler This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

-----  
Copyright(C) 1995-2008, 2010, 2011, 2012 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h

-----  
Copyright(C) 2002-2010 Mark Adler This software is provided 'as-is', without any express or implied warranty. In no event will the author be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions: 1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required. 2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software. 3. This notice may not be removed or altered from any source distribution.

-----  
Copyright(C) 2002-2010 Mark Adler For conditions of distribution and use, see copyright notice in puff.h version 2.2, 25 Apr 2010

-----  
zpipe.c: example of proper use of zlib's inflate() and deflate() Not copyrighted -- provided to the public domain Version 1.4 11 December 2005 Mark Adler /

-----  
Copyright(C) 2007, 2008 Mark Adler

-----  
Copyright(c) 2000-2005 INRIA, France Telecom All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the



following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----

Copyright(C) 1993-2005 Axis Communications. All rights reserved.Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Neither the name of Axis Communications nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY AXIS COMMUNICATIONS AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL AXIS COMMUNICATIONS OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 2011,2012 Adapteva, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR

TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 1995,2001,2002,2004,2009 Xilinx, Inc. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright(c) 2004, 2012 National Semiconductor Corporation The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply. /

-----

Copyright(C) 2008-2010 CodeSourcery, LLC. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of MIPS Technologies Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2006 CodeSourcery Inc The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply. /

-----  
Copyright(C) 2004,2010 CodeSourcery, Inc. Permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies.

-----  
Copyright(c) 2008,2009,2011-2013 ARM Ltd. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2009, 2010, 2011, 2012 ARM Ltd. Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the ``Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED ``AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. /

-----  
Copyright(C) 1995-2000 WIDE Project. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. / ECN consideration on tunnel ingress/egress operation. <http://www.aciri.org/floyd/papers/draft-ipsec-ecn-00.txt> /

-----  
Copyright(c) 1994 Ugen J.S.Antsilevich Redistribution and use in source forms, with and without modification, are permitted provided that this entire comment appears intact. Redistribution in binary form may occur without any restrictions. Obviously, it would be nice if you gave credit where credit is due but requiring it would be too onerous. This software is provided ``AS IS'' without any warranties of any kind. /

-----  
Copyright(c) 1995 Alex Tatmanjants <[alex@elvisti.kiev.ua](mailto:alex@elvisti.kiev.ua)> at Electronni Visti IA, Kiev, Ukraine. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES

(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 2002-2004 Tim J. Robbins. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

-----  
Copyright(c) 1995 - 2002 Cygnus Solutions The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

-----  
Copyright(C) 1993 DJ Delorie All rights reserved. Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

-----  
Copyright(C) 1991 DJ Delorie All rights reserved. Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

-----  
Copyright(C) 2003 Chris Anderson <christop@charm.net>



## SOFTWARE.

---

### Copyrights and Licenses for Third Party Software Distributed with LLVM:

---

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

| Program         | Directory                                                                            |
|-----------------|--------------------------------------------------------------------------------------|
| Autoconf        | llvm/autoconf<br>llvm/projects/ModuleMaker/autoconf<br>llvm/projects/sample/autoconf |
| CellSPU backend | llvm/lib/Target/CellSPU/README.txt                                                   |
| Google Test     | llvm/utils/unittest/googletest                                                       |
| OpenBSD regex   | llvm/lib/Support/{reg*, COPYRIGHT.regex}                                             |
| pyyaml tests    | llvm/test/YAMLParse/{*.data, LICENSE.TXT}                                            |

Copyright 2004-2006 Joao Abecasis  
Copyright 2006-2015 Paul A. Bristow  
Copyright (c) 2005 Jordan DeLong <http://spirit.sourceforge.net>  
Copyright 2013-2014 Agustin Berge  
Copyright 2009 Chris Lattner  
Copyright 1996-2007 Julian Seward <[jseward@bzip.org](mailto:jseward@bzip.org)>  
Copyright (c) 2012 Benjamin Schindler  
Copyright 2003 Ross Smith  
Copyright 1994 Hewlett-Packard Co  
Copyright (c) 2010 Sergey GooRoo Olendarenko  
(C) Copyright 2015 Kyle Lutz  
Copyright 2003 Sam Nabialek  
Copyright 2009-2015 Mario Mulansky  
Copyright 2006 Tobias Schwinger  
Copyright 2012, 2017 Marshall Clow  
Copyright 2008 Ilya Sokolov Boris Schaeling  
Copyright 2011 Jamboree  
Copyright 2000 Jens Maurer  
Copyright 2010 Olaf Peter  
Copyright 2004 Michael Stevens  
Copyright 2006-2009 Alexander Nasonov  
Copyright 2013-2015 Boost.Test team.  
Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler  
Copyright 2005-2007 Dan Marsden  
Copyright 2003-2008 Thorsten Ottosen

Copyright 2013 Pascal Germroth  
Copyright 2001-2002 Daniel C. Nuffer  
Copyright 2004 Eric Niebler Distributed  
Copyright 2014 Benoit Dequidt <benoit.dequidt@gmail.com>  
Copyright 2004-2014 boost  
Copyright 2001-2012 Hartmut Kaiser Distributed  
Copyright 2007 John Maddock and Paul A. Bristow. Distributed under the Boost Software License Version  
Copyright (c) 2012 yyyy yyyy <typhoonking77@hotmail.com>  
Copyright 2013 &nbsp; Edward Diener  
Copyright 2002-2004 Martin Wille  
Copyright 2012 ohn Maddock  
Copyright 2004 eXtensible Systems Inc  
Copyright 1992-1994 Henry Spencer  
Copyright 2013 Paul Bristow  
Copyright 2012 Mario Mulansky Distributed  
Copyright 2003 Giovanni Bajo  
Copyright 2001-2005, 2008 Douglas Gregor  
Copyright 2009-2015 Karsten Ahnert  
Copyright 2010 Daniel James  
Copyright (c) 2006 2007 Matthew Calabrese  
Copyright 2012 David Bailey  
Copyright 2008-2009 Ben Hanson  
Copyright 2010 Michael Caisse  
Copyright 2003, 2005 David Abrahams Daniel Wallin  
Copyright 2001-2003 Dan Nuffer  
Copyright 2013 Andreas Pokorny  
Copyright 2013 Google Inc. All rights reserved. [http code.google.com](http://code.google.com)  
Copyright Jeremy W. Murphy 2015  
Copyright 2010-2011 Jeroen Habraken  
Copyright (c) 2004 Stefan Slapeta  
Copyright 2008 Gunter Winkler <guwi17@gmx.de>  
Copyright 2006 Johan Rade  
Copyright (c) 2013-2014 Denis Demidov  
Copyright 2010 Niels Dekker  
Copyright (c) 2011 Brian O'Kennedy  
Copyright (c) 2004 Angus Leeming [http spirit.sourceforge.net](http://spirit.sourceforge.net)  
Copyright 2008 Rene Rivera  
Copyright 2008 Eli Friedman  
Copyright 2012 Benjamin Sobotta  
Copyright 2012-2013 Louis Dionne  
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)  
Copyright 2006-2007 Julio M. Merino Vidal  
Copyright 2014 John Fletcher  
Copyright 2010 Zencoder Inc.  
Copyright 2015 Michael Caisse [ciere.com](http://ciere.com)  
Copyright 2014 Kyle Lutz <kyle.r.lutz@gmail.com> Distributed  
Copyright 2011 Roji Philip  
Copyright 2009 Robert Ramey -  
Copyright 1994-2007, 2011 Beman Dawes  
Copyright 2010 Larry Evans  
Copyright (c) 2004 Vyacheslav E. Andrejev [http spirit.sourceforge.net](http://spirit.sourceforge.net)  
Copyright Datasim Education BV 2009-2010  
Copyright 2009-2012 Lorenzo Caminiti Distributed  
Copyright 2013 Alex Korobka  
Copyright 2007-2016 Andrey Semashev  
Copyright 2008-2009 Katholieke Universiteit Leuven



Copyright 2009 Boris Schaeling  
Copyright 2016 Raffi Enficiaud. Distributed  
Copyright (c) 2011 Ryan Molden  
Copyright 2014 Lee Clagett  
Copyright 2001 Gennadiy Rozental & Ullrich Koethe  
Copyright &copy 1998-2005 Joel de Guzman Hartmut Kaiser  
Copyright 2005-2006 Shunsuke Sogame  
Copyright (c) 2010 Gevorg Voskanyan  
Copyright 2010 Peter Schueller  
Copyright (c) 2011 Paul A. Bristow comments  
Copyright 2011 Francois Mauger  
Copyright 2001 Alexander Peslyak and it is hereby released to the general public  
Copyright 2009-2012 Lorenzo Caminiti  
Copyright 2002 Chris Uzdavinis  
Copyright 2002, 2005-2016 John Maddock  
Copyright 1992-1994 The Regents of the University of California  
(C) Copyright Juergen Hunold 2006  
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>  
Copyright 2005-2006 Danny Havenith  
Copyright 1996-1997 Silicon Graphics Computer Systems Inc  
Copyright 2005-2007 Daniel James. Distributed  
Copyright 2007-2009, 2015-2016 Peter Dimov  
Copyright (c) 2011 Robert Nelson  
Copyright 2008 David Jenkins. Distributed  
Copyright 2011 Thomas Heller Distributed  
Copyright 2011 ACM  
Copyright 2000-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)  
Copyright Beman Dawes Daryle Walker Gennaro Prota and John Maddock 2001-2009  
Copyright 2003-2008 Matthias Christian Schabel  
Copyright 2004, 2008 Eric Niebler. Distributed  
Copyright 2014, 2016 Raffi Enficiaud  
Copyright (c) 2011 Colin Rundel  
Copyright 2001-2003 Daniel Nuffer  
Copyright 2001, 2003, 2006 Daryle Walker  
Copyright 2013-2015 Kyle Lutz <kyle.r.lutz@gmail.com>  
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>  
Copyright 2009-2011, 2014 Neil Groves  
Copyright (c) 2009 Pavel Baranov  
Copyright 2003 Eric Friedman Itay Maman  
Copyright 2000-2003 Gary Powell (powellg@amazon.com)  
Copyright (c) 2015 Ahmed Charles  
Copyright 2007, 2010 John Maddock and Paul A. Bristow  
Copyright 2002-2003, 2008 Fernando Luis Cacciola Carballal  
Copyright 2004, 2009 Chris Hoeppler  
Copyright 2010 Mathias Gaunard  
Copyright 2013-2014 Rastko Anicic <anicic.rastko@gmail.com>  
Copyright 2009 Matthias Vallentin  
Copyright 2001-2013 Hartmut Kaiser  
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright 2005 Terje Sletteb and Kevlin Henney  
Copyright 2001, 2003-2005 Hubert Holin  
Copyright 2002-2003, 2007 The Trustees of Indiana University  
Copyright 2001-2015 Gennadiy Rozental  
Copyright 2005-2006 Daniel Wallin  
Copyright 2009 Paul A. Britow  
Copyright 2013 Pascal Germroth Distributed

Copyright 2011-2013 Edward Diener  
Copyright 2011-2017 Antony Polukhin  
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock  
Copyright 2009 Howard Hinnant  
Copyright 2011-2012 Jeff Flinn Boris Schaeling  
Copyright (c) 2009 Jean-Francois Ostiguy  
&copy Copyright Fernando Cacciola 2002 - 2010  
Copyright 2013-2014 Anton Bikineev  
Copyright 2014, 2804 Fabian Khler <fabian2804@googlemail.com>  
Copyright (c) 2011 Joerg Becker  
Copyright 2014-2016 Andrzej Krzemienski  
Copyright (c) 2010 Head Geek  
Copyright 2012 Phil Endecott Distributed under the Boost Software License Version  
(C) Copyright 2015 Kyle Lutz Distributed under the Boost Software License Version  
Copyright 2010 Carl Philipp Reh  
Copyright 2001-2013 Hartmut Kaiser. Distributed  
Copyright 2002-2014 Christopher Kormanyos  
Copyright 2005-2006 David Abrahams  
Copyright John Maddock & Paul A. Bristow 2007 - 2012  
Copyright (c) 2011 Laurent Gomila  
Copyright 2002 Jeff Westfahl  
Copyright 2001-2013 Free Software Foundation Inc  
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)  
Copyright (c) 2016 Jason Rhinelander <jason@imaginary.ca>  
Copyright (c) 2003 Giovanni Bajo Copyrigh  
Copyright 2005 Carl Barron. Distributed  
Copyright 2007-2009, 2012 Steven Watanabe  
Copyright (c) 2011 Dean Michael Berries  
Copyright 2010 Josh Wilson  
Copyright (c) 2011 Matthias Born  
Copyright 2015 Gregor de Cillia  
Copyright 2003 Vaclav Vesely  
Copyright 2015-2016 Jakub Szuppe <j.szuppe@gmail.com>  
Copyright 2004, 2006 Eric Niebler  
Copyright 1999 Jeremy Siek  
Copyright 2015 Lingxi Li  
Copyright 2011-2016 John Maddock. Distributed  
Copyright 2011 Aaron Graham  
Copyright 2001-2004 Unicode Inc  
Copyright 2014 Roshan <thisisroshansmail@gmail.com>  
Copyright (c) 2016 Klemens D. Morgenstern klemens.morgenstern at gmx dot net  
Copyright 2010 Felipe Tanus Boris Schaeling  
Copyright 2010-2011 Bryce Lebach  
Copyright 2000-2002 Joerg Walter Mathias Koch  
Copyright Daryle Walker Hubert Holin and John Maddock 2006  
Copyright 2011 Thomas Bernard  
Copyright 2008-2009 Francois Barel  
Copyright 2002 Juan Carlos Arevalo-Baeza  
Copyright 2009, 2013 Carl Barron  
Copyright 2009 Paul A. Bristow & John Maddock  
Copyright 2009 Edward Grace  
Copyright 1998-2016 Joel de Guzman  
Copyright 2012 Karsten Ahnert Distributed  
Copyright 2011 Jan Frederick Eick  
Copyright 2010 Lars Kielhorn  
Copyright 2009 Erik Bryan



Copyright (c) 2008 Eli Friedman

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-----  
This code is derived from OpenBSD's libc/regex, original license follows:

Copyright (c) 1992-1994 Henry Spencer.

Copyright (c) 1992-1994 The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Henry Spencer.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----

Copyright 2001-2004 Unicode, Inc.

### Disclaimer

This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt.

### Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice remains attached.

-----

This code is derived from OpenBSD's libc, original license follows:

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----

Copyright (C) 1992-2006 Free Software Foundation, Inc.  
This configure script is free software; the Free Software Foundation gives unlimited permission to copy, distribute and modify it.

llvm version 3.5

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright (c) 2003-2014 University of Illinois at Urbana-Champaign.  
All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyrights and Licenses for Third Party Software Distributed with LLVM:  
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

```
/*====-----  
*  
* Permission is hereby granted, free of charge, to any person obtaining a copy  
* of this software and associated documentation files (the "Software"), to deal  
* in the Software without restriction, including without limitation the rights
```

\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:

\*  
\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.

\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
\* AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
\* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
\* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  
\* THE SOFTWARE.

\*====-----====

\* This code is derived from OpenBSD's libc/regex, original license follows:

\* Copyright (c) 1992, 1993, 1994 Henry Spencer.  
\* Copyright (c) 1992, 1993, 1994  
\* The Regents of the University of California. All rights reserved.

\* This code is derived from software contributed to Berkeley by  
\* Henry Spencer.

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the University nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*/  
\*

\* This software was written by Alexander Peslyak in 2001. No copyright is





CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyrights and Licenses for Third Party Software Distributed with LLVM:  
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

```
/*====-----=====
 *
 * Permission is hereby granted, free of charge, to any person obtaining a copy
 * of this software and associated documentation files (the "Software"), to deal
 * in the Software without restriction, including without limitation the rights
 * to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
 * copies of the Software, and to permit persons to whom the Software is
 * furnished to do so, subject to the following conditions:
 *
 * The above copyright notice and this permission notice shall be included in
 * all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
 * AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
 * LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
 * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
 * THE SOFTWARE.
 *
 *====-----=====
```

\* This code is derived from OpenBSD's libc/regex, original license follows:

\* Copyright (c) 1992, 1993, 1994 Henry Spencer.  
\* Copyright (c) 1992, 1993, 1994  
\* The Regents of the University of California. All rights reserved.

\* This code is derived from software contributed to Berkeley by  
\* Henry Spencer.

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/  
\*

Certain Files: Copyright (c) 1998 Todd C. Miller

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

- \* This software was written by Alexander Peslyak in 2001. No copyright is claimed, and the software is hereby placed in the public domain.
- \* In case this attempt to disclaim copyright and place the software in the public domain is deemed null and void, then the software is Copyright (c) 2001 Alexander Peslyak and it is hereby released to the general public under the following terms:
- \*
  - \* Redistribution and use in source and binary forms, with or without modification, are permitted.
  - \*
    - \* There's ABSOLUTELY NO WARRANTY, express or implied.
    - \*
      - \* (This is a heavily cut-down "BSD license".)

Certain files are dual licensed under the MIT and the University of Illinois Open Source License (displayed above and in the LICENSE.TXT file).

Certain files: Copyright 2008-2009 Google Inc.

All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Certain files: Copyright 2001-2004 Unicode, Inc. Disclaimer This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt. Limitations on Rights to Redistribute This Code Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice remains attached.

Certain files: Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

llvm version 7.0

<<<<<<<<<xilinx-separator>>>>>>>>>

University of Illinois/NCSA  
Open Source License

Copyright (c) 2009-2016 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyright (c) 2009-2015 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,

OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

---

Copyrights and Licenses for Third Party Software Distributed with LLVM:

---

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

Copyright 2005-2009 Pierre Bonami and others  
(C) Copyright 2002 2003 Beman Dawes Boost.Filesystem Distributed under the Boost Software License Version  
Copyright 2014-2015 John Fletcher  
Copyright 2011 Jlio Hoffmann  
Copyright 1990-1999, 2005, 2009, 2014 Microsoft Corp  
Copyright (c) 1998 Paul Duffin.  
Copyright 2006-2015 Paul A. Bristow  
Copyright 2016-2017 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle  
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle  
Copyright 2008 Federico J. Fernandez  
Copyright 1999, 2001 Nicolai M. Josuttis  
Copyright 2010-2011 INRIA Saclay  
Copyright &copy; 2013 Andrey Semashev. Distributed under the Boost Software License Version  
Copyright 2016 Chris Glover  
Copyright 2008 Rep Invariant Systems Inc. (info@repinvariant.com)  
Copyright 1990-1992, 1996-2000 Synopsys Inc  
Copyright 1998-2017 John Maddock  
Copyright 2010, 2014 Athanasios Iliopoulos  
Copyright (c) 2013 Alberto Santini Author Alberto Santini <alberto@santini.in>  
Copyright (c) 2002 Vincent Darley.  
Copyright 2007 Alexandre Courpron  
Copyright 2002 Rensselaer Polytechnic Institute  
Copyright 2007 Timmo Stange  
Copyright 1993 Mentor Graphics -- -- --  
Copyright 2011 Takaya Saito  
Copyright 2001-2003 Toon Knappen  
Copyright 2010 Eric Jourdanneau Joel Falcou  
Copyright (c) 2015 Muhammad Junaid Muzammil <mjunaidmuzammil@gmail.com>  
Copyright 2013 Joaquim Duran  
Copyright 2001-2004 Hewlett-Packard Co Contributed by David Mosberger-Tang <davidm@hpl.hp.com>  
Copyright 2005 Daniel Egloff. Distributed  
Copyright 2000-2004 Ryan Bloom  
Copyright 2005 John Maddock & Thorsten Ottosen  
Copyright 2013-2017 Oracle and or its affiliates. Contributed and or modified by Adam Wulkiewicz on behalf of Oracle  
Copyright 2002-2004, 2006, 2009 Vladimir Prus  
Copyright Arno Schoedl & Neil Groves 2009

Copyright 1995 General Electric Co  
Copyright 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.  
Copyright 2011, 2015-2017 Sven Verdoolaege  
Copyright 2005-2013 Ion Gaztanaga Distributed  
Copyright 1992-1994, 1998-1999 Henry Spencer  
Copyright 2011-2016 Renato Tegon Forti Antony Polukhin  
Copyright (c) 2013 Tim Blechmann ARM Code by Phil Endecott based on other architectures.  
(C) Copyright 2002 Vahan Margaryan. Use modification and distribution is subject to the Boost Software License Version  
Copyright 2012-2014 Ecole Normale Superieure  
Copyright 2008-2009 Ben Hanson os  
Copyright 2009 Dustin Spicuzza  
Copyright 2012-2017 Glen Fernandes. Distributed  
Copyright 2012 Christoph Koke  
Copyright 2001-2012 Hartmut Kaiser Distributed  
(C) Copyright 2004-2009 Robert Ramey Martin Ecker and Takatoshi Kondo Use modification and distribution is subject to the Boost Software License Version  
Copyright 2013 &nbsp; Edward Diener  
Copyright (c) 2008 Stepan Kasal <skasal@redhat.com>  
Copyright 2015 Nuxi <https://nuxi.nl>  
Copyright 2013 Ruslan Baratov  
Copyright (C) 1999-2001 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi) Gary Powell (gwpowell@hotmail.com)  
Copyright (c) 2012 Orlando Wingbrant  
Copyright 2013, 2015 Kyle Lutz  
Copyright 2005-2006 Joao Abecasis  
Copyright 2002 Radical Eye Software Title cudd.dvi Pages  
Copyright 2016 Alexander Zaitsev <zamazan4ik@gmail.com>  
Copyright 2005 Voipster Indrek dot Juhani at voipster dot com  
Copyright (c) 2016 Norbert Wenzel  
Copyright 2005, 2007-2008 Aaron Windsor  
Copyright (C) 2009 Trustees of Indiana University Authors Jeremiah Willcock Andrew Lumsdaine  
Copyright 1999-2003 Jaakko Jarvi (jaakko.jarvi@cs.utu.fi)  
Copyright 2015-2016 Klemens D. Morgenstern  
Copyright 2010 Matthias Walter (xammy@xammy.homelinux.net)  
Copyright 2001 Jeremy Siek <jsiek@cs.indiana.edu> Distributed  
Copyright 2003, 2005 David Abrahams Daniel Wallin  
copyright Netscape Communications 1999  
Copyright 2010-2012 Andrii Sydorhuk  
Copyright 1997-1998 Certicom Corp  
Copyright 1989, 2014 Mageswaran.D <mageswaran1989@gmail.com>  
Copyright 2000-2006 Jeremy Siek David Abrahams  
Copyright 2003 Roland Richter  
Copyright 2002-2016 Daniel Frey  
Copyright (c) 2016 Lee Clagett Distributed under the Boost Software License Version  
Copyright 2002 Ronald Garcia  
(C) Copyright Dave Abrahams and Daryle Walker 2001  
Copyright 2005-2006 Francois Margot and others  
Copyright 2003 Jaap Suter  
Copyright 2009-2011, 2014-2015 LRI UMR  
Copyright 2005, 2010 Daniel Wallin David Abrahams  
Copyright 2005-2008 Matthias Troyer  
Copyright 2010 W.P. McNeill  
Copyright 2003 Yan Xu Jeff Linderorth Martin Savelsberg and others  
Copyright 2007 Baruch Zilber  
Copyright 2007 CodeRage Author Jonathan Turkanis  
Copyright 2015 Charly Chevalier  
Copyright 2008, 2014, 2016 Jorge Lodos

(C) Copyright 2011-2013 Andrew Hundt <ATHundt@gmail.com>  
Copyright 2010 Zencoder Inc.  
Copyright (C) 2002 2003 2004. Lou Hafer Stephen Tse International Business Machines Corporation and others. All Rights Reserved.  
Copyright 1994-2015 Beman Dawes  
Copyright Copyright 2001 by ActiveState Corporation et al  
Copyright (C) 2012 David Stone  
Copyright 2006 Trustees of Indiana University Authors Jeremy G. Siek and Douglas Gregor <dgregor@cs.indiana.edu>  
Copyright 2007, 2011-2016 John Maddock. Distributed  
Copyright 2009-2012 Lorenzo Caminiti Distributed  
Copyright 2008-2012 Simonson Lucanus  
Copyright 2004-2018 Oasys Design Systems Inc  
Copyright 1982-1983, 1986, 1988-1989 Regents of the University of California  
Copyright 1986 International Organization for Standardization  
Copyright 1996-2001, 2003-2005 Free Software Foundation Inc. Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>  
Copyright 2002 R.W. Grosse-Kunstleve  
Copyright (C) 1997-2000 Lucent Technologies Modifications for Coin -  
Copyright 2012, 2014 Pieter Bastiaan Ober  
Copyright 2001 Indiana University Author Jeremy G. Siek  
Copyright 2005 David Abrahams and Aleksey Gurtovoy. Distributed  
Copyright 2005-2006 Carnegie Mellon University  
Copyright 2003 Bradley M. Bell  
Copyright 2011-2013 Mario Mulansky Distributed  
Copyright (c) 2014-2015 Antony Polukhin antoshkka at gmail dot com  
Copyright 2001 Alexander Peslyak and it is hereby released to the general public  
Copyright 2005-2006 Daniel Egloff Olivier Gygi. Distributed  
Copyright Microsoft Corporation  
Copyright 2006 Alexander Nasonov & Paul A. Bristow  
Copyright 2003-2009 Tobias Schwinger  
Copyright 2007 Nikolay Mladenov  
Copyright 2008 Gautam Sewani  
Copyright 2005-2006 Danny Havenith  
Copyright 2010 Just Software Solutions Ltd  
Copyright 1997-2001 University of Notre Dame. Authors Lie-Quan Lee Jeremy Siek  
Copyright 2008 David Jenkins. Distributed  
Copyright (c) 2016 Krzesimir Nowak <qdlacz@gmail.com>  
Copyright 2002-2003 Eric Friedman  
Copyright 2011 ACM  
Copyright 2007 Christoper Kohlhoff  
Copyright 1999-2003 Jeremiah Willcock  
Copyright 2005 Matthias Troyer and Dave Abrahams  
Copyright 2007, 2011, 2013-2014 Paul Bristow  
Copyright Neil Groves & Thorsten Ottosen & Pavol Droba 2003-2004  
Copyright 2013-2015 Kyle Lutz <kyle.r.lutz@gmail.com>  
Copyright 2012 Michele Caini  
(C) Copyright Eric Ford 2001  
Copyright 2004-2006 Olaf Krzikalla  
Copyright 2007-2008 CodeRage LLC Author Jonathan Turkanis Contact turkanis at coderage dot com  
Copyright 2009 Mathias Gaunard  
Copyright 2010, 2012-2015 Vicente Botet  
Copyright 2012 Fernando Vilas  
Copyright 2007, 2010 John Maddock and Paul A. Bristow  
(C) Copyright Beman Dawes and Ullrich Koethe 1995-2001  
Copyright 2006 Stephan Diederich  
Copyright 2005 troy  
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)

Copyright 2014 MetaScale SAS  
Copyright 2014 Alexander Lauser. Authors Alexander Lauser  
Copyright (c) 2015 Agustin K-ballo Berge  
Copyright 1990-1992 Synopsys Inc. -- --  
Copyright 2001-2013 Hartmut Kaiser  
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright 1122, 2012, 4477 Flexera Software LLC. All Rights Reserved.  
Copyright (C) 2013 Bjorn Roald  
Copyright 2003 David Abrahams and Nikolay Mladenov  
Copyright 2013 Thomas Sailer  
Copyright 1992-1993, 1995-1996 Jens-Uwe Mager Helios Software GmbH Not derived from  
Copyright 2009 Chris Hoeppler  
Copyright 2011 Simon West. Distributed under the Boost Software License Version  
Copyright 2013 Paul A. Bristow. Added some Quickbook snippet markers  
Copyright 1998-2015 Joel de Guzman  
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Fran cois Pinard <pinard@iro.umontreal.ca>  
Copyright 2010 Georg Fritzsche  
Copyright 2012 Phil Endecott Distributed under the Boost Software License Version  
Copyright Thomas Mang 2012  
Copyright 2002 John Maddock and Dave Abrahams  
Copyright (C) 2005 2009 International Business Machines and others. C All Rights Reserved. C This code is published under the Eclipse Public License.  
Copyright 2010 Nuovation System Designs LLC Grant Erickson <gerickson@nuovations.com>  
Copyright 2003 Rational Discovery LLC Distributed  
Copyright 2001-2004 Peter Dimov and Multi Media Ltd  
Copyright 2004-2006 Ted Ralphs and Lehigh University  
Copyright 2004-2006, 2008-2012 Eric Niebler. Distributed  
Copyright (c) 1999-2003 Boris Fomitchev  
Copyright 2007-2012 Joachim Faulhaber  
Copyright&nbsp;Rene Rivera 2013-2014  
Copyright John Maddock & Paul A. Bristow 2007 - 2012  
Copyright 2003-2011, 2014 LASMEA UMR  
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com)  
Copyright 1997-2006 Easy Software Products All Rights Reserved.  
Copyright (c) 2008 Sven Verdoolaege <skimo@kotnet.org>  
Copyright 2004 Jonathan Graehl  
Copyright 2001-2003 Kevin B. Kenny  
Copyright 2006-2008 Anthony Williams Distributed  
Copyright 2005-2016 Daniel James Distributed  
Copyright 1997-2014 The NetBSD Foundation Inc  
Copyright 2006 Tomas Puerle  
Copyright 2002 Marc Wintermantel (wintermantel@imes.mavt.ethz.ch) ETH Zurich Center of Structure Technologies  
Copyright 2004-2011 Michael Stevens David Bellot  
Copyright 2015-2016 Jakub Szuppe <j.szuppe@gmail.com>  
Copyright 1994-1996 Synplicity Inc  
Copyright&nbsp;Matias Capeletto 2006-2007  
Copyright (c) 1993-94 Lockheed Missile & Space Company  
Copyright 2010 Gordon Woodhull modified from MSMv2.  
(c) Copyright 2005-2011 Ted Ralphs. All Rights Reserved.  
Copyright 2014-2015 NumScale SAS  
Copyright 2002-2005, 2014-2015 Peter Dimov. Distributed  
Copyright 2014 Ahmed Charles  
Copyright 2002-2003 Guillaume Melquiond Sylvain Pion  
Copyright 2011-2012 Vicente J.Botet Escriba. Distributed  
Copyright 2008 CodeRage LLC



Copyright (C) 2006 Marcin Kalicinski Distributed under the Boost Software License Version  
Copyright 1998-2000 Scriptics Corp. Contributions from Don Porter NIST  
Copyright 2001-2002 David Gravereaux  
Copyright (c) Pablo Aguilar 2005  
Copyright (c) 2002 by Andrei Alexandrescu  
Copyright 2014, 2016 Lee Clagett  
Copyright Nasos Iliopoulos Gunter Winkler 2009  
Copyright 2000 Luke Kenneth Casson Leighton <lkcl@samba.org>  
Copyright 2000-2005 Steve Cleary Beman Dawes Howard Hinnant & John Maddock  
Copyright 2009 Yuriy Krasnoschek  
Copyright 2004-2015 Free Software Foundation Inc. Written by Gary V. Vaughan  
Copyright 2011 Jan Frederick Eick  
Copyright (c) 2017 The LLVM Developers  
(C) Copyright Boris Rasin and Antony Polukhin 2014-2015  
Copyright 1988, 1992-1993, 1995-1997 Jens-Uwe Mager Helios Software GmbH Hannover Germany  
Copyright 2013-2017 Louis Dionne  
Copyright 2011-2013 Renato Tegon Forti  
Copyright 2001 University of Notre Dame. Authors Jeremy G. Siek and Lie-Quan Lee  
Copyright 2010-2011 David Bellot  
Copyright 1990-1991 RSA Data Security Inc  
Copyright 2004 The Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2011-2013 Andrew Hundt  
Copyright 2008-2010 Joseph Gauterin Niels Dekker  
Copyright 1993-1994 Lockheed Missile & Space Co AI Center  
Copyright 2014 Erik Erlandson  
Copyright 2008-2016 Tim Blechmann  
Copyright 2007-2017 Barend Gehrels Amsterdam the Netherlands  
Copyright (c) 2010 Thomas Heller For the example  
Copyright 2004-2006 Daniel Wallin  
Copyright 2016 Jason Rice  
Copyright 1996-2007 Julian Seward <jseward@bzip.org>  
Copyright (c) 2014 Chandler Carruth  
Copyright 2008-2016 Vicente J. Botet Escriba  
Copyright 1999 Kevlin Henney and Dave Abrahams  
Copyright 2011-2012 Nathan Ridge  
Copyright 2003, 2005-2009, 2012-2013, 2015, 2017 Google Inc  
Copyright (c) 2000-2013 Joerg Walter Mathias Koch Athanasios Iliopoulos  
(C) Copyright Eric Ford & Hubert Holin 2001  
Copyright (c) 2008 Michael Marcin  
Copyright 2005 Ben Hutchings  
Copyright 2006 Stephen Nutt  
Copyright Jason Rhinelander 2016  
Copyright 2005 Vladimur Prus  
Copyright 2005 David Abrahams Matthias Troyer Michael Gauckler  
Copyright (c) 2001 2002 Expat maintainers.  
Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper  
Copyright 2001 Doug Gregor  
Copyright 1992 Regents of the University of California. --  
Copyright 1982-1991 Mentor Graphics Corp  
Copyright 2013 Pascal Germroth  
Copyright 2014 Benoit Dequidt <benoit.dequidt@gmail.com>  
Copyright (c) 2001-2007 Hartmut Kaiser --  
Copyright 2012 K R Walker  
Copyright 2000 John Maddock (john@johnmaddock.co.uk)  
Copyright 1998-2000 Thai Open Source Software Center Ltd  
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee

Copyright (C) 2001-2007 Joel de Guzman Dan Marsden Tobias Schwinger  
Copyright 2003, 2007-2010, 2012, 2014 Howard Hinnant  
Copyright 2000 Maarten Keijzer  
Copyright 2006 Kirill Simonov  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University (lums@osl.iu.edu)  
Copyright 1998 Scritpics Corp  
Copyright (c) 2013 Paul A. Bristow Doxygen comments changed for new version of documentation.  
Copyright (c) 2001 ActiveState Tool Corp.  
Copyright 1993-1997 Lucent Technologies  
Copyright 1992-2006 by Concept Engineering GmbH. All rights reserved.  
Copyright Jeremy W. Murphy 2015  
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromeey <tromeey@cygnus.com>  
Copyright 2016-2017 Mikhail Maximov  
Copyright (c) 2009-2016 Polly Team All rights reserved.  
Copyright 2010-2012 D. E. Shaw Research. All rights reserved.  
Copyright (c) 2009 ArtVPS Ltd.  
Copyright 2013 Petr Machata Red Hat Inc  
Copyright (c) 2010 Neil Groves Distributed under the Boost Software License Version  
Copyright 2014-2015 Google Inc. contributed by Alexey Sokolov <sokolov@google.com>  
Copyright 2009 Eric Moyer -  
Copyright 2004 Herve Bronnimann  
Copyright (c) 1998-2000 Dr John Maddock  
Copyright 2002-2004 David Abrahams and Aleksey Gurtovoy  
Copyright (c) 2016 Karolin Varner  
Copyright 1997, 2009, 2012 IBM Corp  
Copyright 2011-2015 Akira Takahashi  
Copyright (c) 2008 Beman Dawes Distributed under the Boost Software License Version  
Copyright 1998-2002 The OpenLDAP Foundation  
Copyright 2013 Andrey  
Copyright (c) 2002-2003 Toon Knapen Kresimir Fresl Joerg Walter  
(C) Copyright Daryle Walker and Paul Moore 2001-2002  
Copyright (c) 2014 Kohei Takahashi Distributed under the Boost Software License Version  
Copyright 2001 Boost.org  
Copyright (c) 2003 Institute of Transport Railway Construction and Operation University of Hanover Germany  
Copyright 1997-2001 University of Notre Dame. Authors Jeremy G. Siek Lie-Quan Lee Andrew Lumsdaine  
Copyright 2012, 2015 Joel falcou  
Copyright 2016 Ashish Sadanandan  
Copyright 2002 Indiana University.  
Copyright 2013-2014 Damien Buhl  
Copyright (C) 2005 Igor Chesnokov mailto:ichesnokov@gmail.com  
Copyright 1996-2015 Free Software Foundation Inc. Written by Gordon Matzigkeit  
Copyright 2014 Jessica Hamilton  
Copyright 2006 VeriSign Inc. - For authorized  
(C) Copyright Henry S. Warren 2005  
Copyright 2012 Authors David Doria  
Copyright 2011, 2013-2014 Jamboree  
Copyright (C) 2013 Mateusz Loskot <mateusz@loskot.net>  
Copyright 2016 Raffi Enficiaud. Distributed  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
copyright Gonzalo Brito Gadeschi 2015  
Copyright 2012 Zack Weinberg <zackw@panix.com>  
Copyright 2001 Jeremy Siek Douglas Gregor Brian Osman  
Copyright 2006 Piotr Wyderski  
Copyright 2016 Giel van Schijndel  
Copyright (c) 2011 Paul A. Bristow comments

Copyright (c) 2000-2010 Joerg Walter Mathias Koch Gunter Winkler David Bellot  
Copyright 2002 Brad King and Douglas Gregor  
Copyright 2013-2017 Oracle and or its affiliates  
Copyright 2014 Ben Pope  
Copyright 2002-2004, 2007-2010 Robert Ramey  
Copyright 2005 Daniel Egloff Eric Niebler  
Copyright 2008-2010 Gordon Woodhull Distributed  
Copyright 2008 Roelof Naude  
Copyright 2009-2012 Lorenzo Caminiti  
Copyright 2001 Indiana University. Author Jeremy G. Siek  
Copyright 2002-2011 Lehigh University Matthew Galati Ted Ralphs  
Copyright 2014 Marco Guazzone (marco.guazzone@gmail.com) Distributed under the Boost Software License Version  
Copyright 1996-1997, 1999-2000, 2002-2006, 2008-2012 Free Software Foundation Inc. Originally by Fran cois Pinard  
<pinard@iro.umontreal.ca>  
Copyright (c) 1995-1997 Roger E. Critchlow Jr  
Copyright (C) 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich based on hellp-world  
Copyright 2000-2002 John R. Bandela  
(C) Copyright Runar Undheim Robert Ramey & John Maddock 2008  
Copyright 2003 David Abrahams and Jeremy Siek  
Copyright 2011 Thomas Heller Distributed  
Copyright 1997-2001 University of Notre Dame  
Copyright 2005 Felix H  
Copyright 2013 Maciej Piechotka Authors Maciej Piechotka  
Copyright 2002 Brad King (brad.king@kitware.com)  
copyrighted 1996 by Ronald Van Iwaarden.  
Copyright 1986-2013, 2018 Xilinx Inc  
Copyright 2011 Christopher Jefferson  
Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University and the  
University of Chicago  
Copyright 2015 Paul Norman <penorman@mac.com>  
Copyright 2013 Roy Stogner <roystgnr@ices.utexas.edu>  
Copyright 1995-2010 Jean-loup Gailly and Mark Adler  
Copyright 1999, 2012 Certicom Corp. 1999May  
Copyright 2009 Brian Ravnsgaard and Kenneth Riddile  
Copyright 2007-2009 Andrew Sutton  
Copyright 2000-2003 Gary Powell (powellg@amazon.com)  
Copyright (c) 2000-2013 Joerg Walter Mathias Koch. David Bellot  
Copyright 2001-2002 Caldera International Inc  
Copyright 2013 Mateusz Loskot  
Copyright 2017 Samuli-Petrus Korhonen  
Copyright 1995, 2001-2002 Apple Computer Inc  
Copyright 1993-1998 Lucent Technologies Inc  
Copyright 2009-2011 Frederic Bron  
Copyright 2012-2017 Glen Joseph Fernandes (glenjofe@gmail.com)  
Copyright 2006-2007 Matias Capeletto  
(c) Peter Kankowski 2008  
Copyright 2012 Philipp Moeller  
Copyright (c) 2001-2007 Hartmut Kaiser Revised  
Copyright (C) 2002-2003 David Moore William E. Kempf  
Copyright 2015-2016 Jeremy William Murphy  
Copyright 2004-2005 Trustees of Indiana University Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor  
D. Kevin McGrath  
Copyright 2014 Franz Detoro  
(C) Copyright Vladimir Prus David Abrahams Michael Stevens Hartmut Kaiser Ion Gaztanaga 2007-2008  
Copyright 2008 Gunter Winkler <guwi17@gmx.de> Thanks to Tiago Requeijo for providing this test Distributed under the  
Boost Software License Version

Copyright 2005-2007, 2011, 2015-2016 Stefan Seefeld  
Copyright 1984-2009 The MathWorks Inc. The source code contained in  
Copyright 2008, 2010-2011 Christophe Henry henry UNDERSCORE christophe AT hotmail DOT com  
Copyright 2001-2002 Donal K. Fellows  
Copyright 2009 Gunter Winkler  
Copyright 2001, 2003-2005 Hubert Holin  
Copyright 2005 Jim Douglas  
Copyright 2004-2005 Arkadiy Vertleyb Distributed  
Copyright 2009 Paul A. Britow  
Copyright 2007 Sebastian Ramacher  
Copyright 2011 Francois Margot and Carnegie Mellon University  
Copyright 2013 Ankur Sinha  
Copyright (C) 2001 Gary Powell (gary.powell@sierra.com)  
Copyright 2009-2017 Adam Wulkiewicz Lodz Poland  
Copyright 2013 Eurodecision Authors Guillaume Pinot  
Copyright 1994-1996 Synplicity Inc. -- --  
Copyright (C) 2005 Jong Soo Park  
Copyright 2014-2015 INRIA Rocquencourt  
Copyright (c) 2003 Peter Dimov Distributed under the Boost Software License Version  
&copy; Copyright Fernando Cacciola 2002 - 2010  
Copyright 2012 Michele Caini. Distributed  
Copyright 2002-2003, 2005, 2007 Markus Schoepflin  
Copyright 2010 Alfredo Correa  
Copyright 1994 Borland Intl  
Copyright 2000 Jeremy Siek (jsiek@lsc.nd.edu)  
(C) Copyright 2002-2008 Robert Ramey and Joaquin M Lopez Munoz Use modification and distribution is subject to the  
Boost Software License Version  
Copyright 2006-2009 Dmitry Bufistov and Andrey Parfenov  
Copyright 2010-2012 Jim Bosch & Ankit Daftery  
Copyright 2003-2009 Joaquin M Lopez Munoz. Distributed  
Copyright 2010 Daniel Trebbien  
Copyright Daniel Walker Eric Niebler Michel Morin 2008-2012  
Copyright 2002 Gregory P. Smith  
Copyright 2000 Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock  
Copyright 2005 Niall Douglas  
Copyright 2005 Eric Niebler Michael Gauckler. Distributed  
Copyright 2014 Riccardo Marcangelo  
Copyright 2002 Jeff Westfahl  
Copyright 2015 THL  
Copyright 2007-2009 Ben Hanson  
(C) Copyright David Abrahams Steve Cleary Beman Dawes Howard Hinnant & John Maddock 2000-2002  
Copyright 2012 Flavio De Lorenzi (fdlorenzi@gmail.com)  
Copyright 2015 Gregor de Cillia  
Copyright 1997 American Mathematical Society  
Copyright 1999 Beman Dawes Dave Abrahams  
Copyright 2005 Eric Niebler Daniel Egloff. Distributed under the Boost Software License Version  
Copyright 2005-2008 Dan Marsden  
Copyright 2010 Jeffrey Hellrung. Distributed under the Boost Software License Version  
Copyright (c) 2001-2002 Joel de Guzman MT code  
Copyright 2004 Scott James Remnant <scott@netsplit.com>.  
Copyright 2015 Lingxi Li  
Copyright 2005 Peder Holt Distributed  
Copyright 2005 Daniel Egloff Eric Niebler. Distributed  
Copyright 1999-2001 David Abrahams Jeremy Siek Daryle Walker  
Copyright 2016 Arnaud Kapp Oliver Kowalke  
Copyright 1997 by URW URW Software

Copyright (c) 2002-2011 Bjarni Kristjansson  
Copyright 2010 Barend Gehrels. Distributed under the Boost Software License Version  
Copyright Dave Abrahams 2001-2002  
Copyright Adam D. Walling 2012  
(c) Copyright Mark Rodgers 2000  
Copyright 2007 Alexey Baskakov  
Copyright 2014 Roshan <thisisroshansmail@gmail.com>  
Copyright 2000-2004 Martin C. Shepherd  
Copyright 2010 Felipe Tanus Boris Schaeling  
Copyright 1995-2010 Geodan Amsterdam the Netherlands  
Copyright 2014 Jim Bell  
Copyright 2010-2011 Bryce Lebach  
Copyright 2006-2008 R Oudkerk  
Copyright 2000-2003 Brian McNamara and Yannis Smaragdakis  
Copyright 2008-2016 Bruno Lalande Paris France  
(C) Copyright 2002 Martin Ecker. Use modification and distribution is subject to the Boost Software License Version  
Copyright 2003-2005 Rani Sharoni  
Copyright 1992-2004 P.J. Plauger  
Copyright 2004, 2006, 2008 International Business Machines Corp and Carnegie Mellon University  
Copyright 2000-2002 Darin Adler  
Copyright 2001-2002 Housemarque Oy  
Copyright 1991 the Massachusetts Institute of Technology  
Copyright (c) 2011 Paul Heil  
Copyright (c) 2001 by Andrei Alexandrescu. Distributed under the Boost Software License Version  
Copyright 2002-2003 Eric Friedman Itay Maman  
Copyright (c) 2013 John Maddock Antony Polukhin  
Copyright 1998-2000 Scriptics Corp  
Copyright 2009-2011 Frederic Bron Robert Stewart Steven Watanabe & Roman Perepelitsa  
Copyright David Abrahams Jeremy Siek Vladimir Prus 2006  
Copyright 1994-1996 Synplicity Inc. --  
Copyright 2006-2008 Thorsten Ottosen Neil Groves  
Copyright 2000 Steve Cleary & John Maddock  
Copyright 2007 Lou Hafer and others  
Copyright 2014-2015 Samuel Debionne Grenoble France  
Copyright 2000-2001 Stephen Cleary rem rem Distributed  
Copyright Copyright 2015  
Copyright 2003 Jeremy Siek Authors Lie-Quan Lee Jeremy Siek and Douglas Gregor  
(C) Copyright Daniel K. O. 2005  
Copyright 2009 Chris Lattner  
Copyright 1997 URW  
Copyright 1994 Hewlett-Packard Co  
Copyright 2009-2014 Neil Groves. Distributed  
Copyright 2009, 2013-2017 Oliver Kowalke  
Copyright 2008-2013, 2015-2016 Vicente J. Botet Escriba Distributed  
Copyright 2016 Oracle and or its affiliates. Contributed and or modified by Vissarion Fisikopoulos on behalf of Oracle  
Copyright 2015-2016 Klemens Morgenstern  
Copyright (c) 2000 David Abrahams. Distributed under the Boost Software License Version  
Copyright (c) 2008 Ryan McCabe <ryan@numb.org>  
Copyright (c) 1998-2000 Ajuba Solutions. Contributions from Don Porter NIST  
Copyright 2006-2016 Emil Dotchevski and Reverge Studios Inc  
(c) Copyright Andreas Huber Doenni 2002-2005  
Copyright 2009 Eric Bose-Wolf  
Copyright 2009-2015 Mario Mulansky  
Copyright 2000-2015 The Apache Software Foundation or its licensors as applicable  
Copyright 2013 Andreas Hehn <hehn@phys.ethz.ch> ETH Zurich  
Copyright Christopher Brown 2013

Copyright 2015 Bruno Dutra  
Copyright 2007 David Deakins  
Copyright 2006-2008 Johan Rade  
Copyright 2008 Author Matyas W Egyhazy  
Copyright 2004-2015 Free Software Foundation Inc. Written by Scott James Remnant  
Copyright 2004, 2006-2007 International Business Machines Corp Carnegie Mellon University  
Copyright 2002 Raghavendra Satish  
Copyright 2012-2014 Denis Demidov  
Copyright 2002-2003 Juan Carlos Arevalo-Baeza  
2012 2014 Advanced Micro Devices Inc. All rights reserved.  
Copyright 1999-2001 Dave Carrigan  
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de>  
Copyright 2006 Eric Niebler Olivier Gygi. Distributed  
Copyright 2000-2001 Autonomous Zone Industries  
Copyright (c) 2008-2011 Hartmut Kaiser os  
Copyright 1992 HELIOS Software GmbH  
Copyright 2009-2012 David Abrahams Vicente Botet Ion Gaztanaga  
Copyright 2009 Dmitry Bufistov Andrew Sutton  
Copyright 2013-2014 Agustin Berge  
Copyright 2000 John Maddock and Steve Cleary  
Copyright 2002-2012 Paul Mensonides  
Copyright 1997-2001 University of Notre Dame. Author Jeremy G. Siek  
Copyright 2005-2007 Matthew Calabrese  
Copyright 2001 Daniel C. Nuffer  
Copyright 2012 ohn Maddock  
Copyright (c) 2004 Ralf Mattethat  
Copyright 2002, 2004 Pavel Vozenilek  
Copyright 2002 Aleksey Gurtovoy (agurtovoy@meta-comm.com)  
Copyright 2005 Redshift Software Inc  
Copyright 2004 Bertolt Mildner  
Copyright 2012 Certicom Corp. May  
Copyright 2000 Keld Helsgaun  
Copyright 2003 Giovanni Bajo  
Copyright 2005 Stefan Arentz  
Copyright 2006 Alisdair Meredith  
Copyright 2009-2015 Karsten Ahnert  
Copyright 2008 David Jenkins  
Copyright 2013 Nikhar Agrawal  
Copyright 2012 Martin Husemann  
Copyright 1987-1994 The Regents of the University of California  
Copyright (c) 1997 Moscow Center for SPARC Technology  
Copyright (c) 2001 2002 Python Software Foundation All Rights Reserved  
Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST  
copyrights to 2005  
Copyright 2005-2017 Daniel James. Distributed  
Copyright 2001-2011 Lehigh University Yan Xu and Ted Ralphs  
Copyright 2005, 2008-2016 Rene Rivera  
Copyright 2007-2010 the Sphinx team  
Copyright 2003 Syngé Todo  
Copyright 1984-2015 The MathWorks Inc  
Copyright 2010 Niels Dekker  
Copyright&nbsp;Tobias Schwinger 2005-2007  
Copyright 2014 Ian Forbed  
Copyright 2009, 2013 Sebastian Redl Distributed  
Copyright 2005-2016 Daniel James  
Copyright 2009-2011 Gunter Winkler David Bellot

Copyright 1998-1999 Greg Colvin and Beman Dawes  
Copyright 2001-2008, 2010 Douglas Gregor  
Copyright 2002 Darin Adler. Distributed  
Copyright 2008 Eli Friedman  
Copyright Copyright 2012  
Copyright 1998-1999 Enbridge Pipelines Inc  
Copyright (C) 2010 Paul A. Bristow added Doxygen comments.  
Copyright 2009 Dean Michael Berris <me@deanberris.com>  
Copyright 1999-2006 Cortex Software GmbH Kantstrasse  
Copyright 1987, 2000-2011 International Business Machines Corp and others  
Copyright 1995-2014 The MathWorks Inc. if defined  
Copyright 2012 David Doria Authors David Doria  
Copyright Datasim Education BV 2009-2010  
Copyright 2013 Krzysztof Czainski  
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen  
Copyright 2009-2011 Christopher Schmidt  
Copyright 2010 Daniel Wallin Eric Niebler. Distributed under the Boost Software License Version  
Copyright 2006-2013 Alexander Chemeris  
Copyright 2014-2015 Glen Fernandes  
Copyright 2008 Benjamin Kosnik <bkoz@redhat.com>  
Copyright (c) 2015 Mario Lang  
Copyright 2007 University of Karlsruhe Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Douglas Gregor Jens  
Mueller  
Copyright 2009 Trustees of Indiana University. Authors Michael Hansen Andrew Lumsdaine  
Copyright 2009, 2012 Boris Schaeling  
Copyright 1997-2000 Ajuba Solutions  
Copyright 2004, 2006 Michael Stevens  
Copyright (c) 2015 Robert Ramey Indiana University (garcia@osl.iu.edu) Use modification and distribution is subject to the  
Boost Software License Version 1.0. (See accompanying file LICENSE\_1\_0.txt or copy at  
Copyright 2005-2011 Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the  
University of Chicago  
Copyright (C) 2006 Douglas Gregor scope  
Copyright 2000 Cadenza New Zealand Ltd Distributed  
Copyright 2003-2007 Niklas Een Niklas Sorensson  
Copyright 2005 COIN-OR  
Copyright 2000 Martin Pool <mbp@humblebug.org.au>  
Copyright 2003-2005 Peter Astrand <astrand@lysator.liu.se>  
Copyright 2004-2007, 2010 Peder Holt  
Copyright 2002-2010, 2012 The Trustees of Indiana University  
Copyright 2015 Mario Mulansky <mario.mulansky@gmx.net>  
Copyright 2006 Eric Niebler Olivier Gygi  
1999 Copyright URW Software  
Copyright 2002-2011 Lehigh University Matthew Galati and Ted Ralphs  
Copyright 2011-2012 Ankit Daftery  
Copyright 1999 Xilinx Corp. Xilinx begin  
Copyright 2001 Samuel Krempp krempp@crans.ens-cachan.fr Distributed  
(C) Copyright 2002-2009 Vladimir Prus and Robert Ramey. Use modification and distribution is subject to the Boost  
Software License Version  
Copyright 2013 University of Warsaw. Authors Piotr Wygocki  
Copyright 2015 Kohei Takahshi  
Copyright 2013 Tim Blechmann Linux-specific code by Phil Endecott  
Copyright 2008, 2010-2011 Christophe Henry  
Copyright 2002-2006 Kiyoshi Matsui <kmatsui@t3.rim.or.jp>  
Copyright 2013 Christian Shelton  
Copyright 2006 Olivier Gygi Daniel Egloff. Distributed  
Copyright 2000-2007 CrystalClear Software Inc

Copyright 2003-2004, 2007 Lou Hafer International Business Machines Corp and others  
Copyright 2002 Herv Brnnimann Guillaume Melquiond Sylvain Pion  
Copyright 2005-2006 Ion Gazta  
Copyright 2008-2010 Gordon Woodhull  
Copyright (c) 2010 Ilya Murav'jov  
(C) Copyright 2002-2009 Vladimir Prus Robert Ramey and Takatoshi Kondo. Use modification and distribution is subject to the Boost Software License Version  
Copyright 2011-2012 Brandon Kohn  
Copyright 1998 Mark Harrison  
Copyright 2008 Frank Mori Hess. Distributed under the Boost Software License Version  
Copyright 2000 Dave Abrahams Steve Cleary Beman Dawes Aleksey Gurtovoy Howard Hinnant & John Maddock  
Copyright 2007-2010 Frank Mori Hess  
Copyright 2001-2014 Steven J. Ross  
Copyright 2009 Pablo Halpern  
Copyright 1996-2007 Julian R Seward  
Copyright 1995-2010 Mark Adler  
Copyright (c) 2003 Gunter Winkler Joerg Walter  
Copyright 2005 Terje Sletteb and Kevlin Henney  
Copyright 1999-2004, 2006 Jeremy Siek  
Copyright 2008-2010 Apple Inc  
Copyright 2004 Kristopher Beevers  
Copyright 2015-2017 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle  
Contributed and or modified by Adam Wulkiewicz on behalf of Oracle  
Copyright 2017 Bjorn Reese  
Copyright 2003 Tim Helge Hultberg  
Copyright 2008-2015, 2017 Marshall Clow  
Copyright 2007 Matthias Troyer <troyer@boost-consulting.com>  
Copyright 2011-2017 Antony Polukhin  
Copyright 2006 Ralf W. Grosse-Kunstleve & David Abrahams  
Copyright 2017 Hans Dembinski  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu)  
Copyright 2007-2017 Andrey Semashev  
Copyright 2008 Intel Corp  
Copyright 2014-2016 Andrzej Krzemienski  
Copyright 2009-2011, 2015 Artyom Beilis  
Copyright 2001-2013 Hartmut Kaiser. Distributed  
Copyright 2014 Christoph Weiss  
Copyright 2003-2009 Matthias Christian Schabel  
Copyright 2002, 2004-2009 Trustees of Indiana University  
Copyright 2008 Bruno Lalande  
Copyright 2004 Michael Glassford  
Copyright 2001 Bruce Florman  
Copyright 1999-2003 Jaakko Jarvi  
Copyright 2009 Phil Endecott  
Copyright 1999-2010 Aleksey Gurtovoy  
Copyright 2000, 2002 Gary Powell (gwpowell@hotmail.com)  
Copyright 2011 Boris Schaeling (boris@highscore.de)  
Copyright 2008, 2010 Gunter Winkler <guwi17@gmx.de> Distributed  
Copyright (C) 2013 Cromwell D. Enage Distributed under the Boost Software License Version  
Copyright 2004-2017 Ion Gaztanaga  
Copyright (c) 1997 Phillip F Knaack. All rights reserved. . .  
Copyright 2002-2003 Herv  
Copyright (c) 1992 1993 1995 1996 1997 1988 Jens-Uwe Mager Helios Software GmbH Hannover Germany. Not derived from licensed software. Permission is granted to freely use copy modify and redistribute  
Copyright 2003 Vaclav Vesely  
Copyright 2014-2015, 2017 Glen Joseph Fernandes



Copyright 2001-2002 Daryle Walker and Stephen Cleary  
Copyright 2010-2011 Barend Gehrels  
Copyright 2000 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and you are welcome to change it and or distribute copies of it under certain conditions.  
Copyright (c) 2000 Andreas Kupries. All rights reserved.  
Copyright 1997-2000 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Doug Gregor D. Kevin McGrath  
Copyright 2005 Alexander Nasonov. Distributed  
Copyright 2003-2009 Jan Gaspar  
Copyright 2009-2010 Vicente J. Botet Escriba . Distributed  
Copyright 2009 Trustees of Indiana University Authors Jeremiah J. Willcock Andrew Lumsdaine  
Copyright 1993-2000 Sun Microsystems Inc  
Copyright 2000-2005 Kevlin Henney  
Copyright 2002 Brad King (brad.king@kitware.com) Douglas Gregor (gregod@cs.rpi.edu)  
XjgDKF`LFMXOF`PS 8UpVRYdX~ZB0 Bx]l^nX ~ HpcxldlXfRpmh I@a ROC4VS  
Copyright 2002-2003 Thomas Witt  
Copyright 2009, 2013 Carl Barron  
Copyright 2008 Guido U. Draheim <guidod@gmx.de>  
Copyright 2009 Paul A. Bristow & John Maddock  
Copyright 2009 Edward Grace  
Copyright 2012-2016 Kohei Takahashi  
Copyright 2001 Vladimir Prus <ghost@cs.msu.su>  
Copyright 2001 University of Notre Dame. Author Andrew Janiszewski Jeremy G. Siek  
Copyright 2006-2007 Daniel Walker  
Copyright 1996 Internet Software Consortium  
Copyright 2008-2009 Matteo Frigo  
Copyright 2015 Moritz Klammler <moritz@klammler.eu>  
Copyright 2007-2008 Steven Watanabe Joseph Gauterin Niels Dekker  
Copyright 2002-2004, 2006 Ralf W. Grosse-Kunstleve  
(C) Copyright 2002 Rani Sharoni (rani\_sharoni@hotmail.com) and Robert Ramey Use modification and distribution is subject to the Boost Software License Version  
Copyright 2016 INRIA Paris  
Copyright 2000 Clark Cooper  
Copyright (c) 2013 Paul A. Bristow Doxygen comments changed.  
(C) Giacomo Nannicini 2010  
Copyright 2004-2010 Alexander Nasonov  
Copyright 2005-2012 Anthony Williams  
Copyright 2013 Antony Polukhin Move semantics implementation  
Copyright Borland International  
Copyright 1995-2004 Regents of the University of Colorado  
copyright as the man pages. Sep 14 1996  
(C) Copyright 2012 Boris Schaeling Distributed under the Boost Software License Version  
Copyright (C) 2001-2003 Douglas Gregor (gregod@cs.rpi.edu)  
Copyright 1995-1996, 2008 IEEE  
Copyright 2006 Michael van der Westhuizen  
Copyright 2016 Szabolcs Toth (thszabi@gmail.com)  
Copyright 2009-2012, 2014 Marco Guazzzone  
Copyright 2009-2011 Helge Bahmann  
Copyright (C) 2003 Vesa Karvonen.  
Copyright 2004-2011 International Business Machines and others  
(c) Copyright 1999 - 2015 Verific Design Automation Inc. -- All rights reserved. --  
Copyright 1999 Xilinx Corp  
Copyright (c) 1995 Dave Nebinger.  
Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Northwestern University Dalhousie University and the University of Chicago  
Copyright 1999-2018 Verific Design Automation Inc

Copyright 2008 Ilya Sokolov Boris Schaeling  
Copyright 2002-2007 Michael J. Fromberger  
Copyright 2001-2002 ActiveState Corp  
copyright (c) 2016 Oracle and or its affiliates. Contributed and or modified by Vissarion Fysikopoulos on behalf of Oracle  
Copyright 2010-2013 Thomas Heller  
Copyright 2013 Alain Miniussi <alain.miniussi@oca.eu>  
Copyright Beman Dawes and Daryle Walker 1999  
(C) Copyright Hubert Holin and Daryle Walker 2001-2002  
Copyright 2005, 2007, 2010 Lou Hafer  
Copyright 2012 Oswin Krause  
Copyright (c) 2008 Gennaro Prota Distributed under the Boost Software License Version  
Copyright 2007 John Maddock and Paul A. Bristow. Distributed under the Boost Software License Version  
Copyright 2008-2009 Steven G. Johnson <stevenj@alum.mit.edu>  
Copyright 2003-2007 Jonathan Turkanis Distributed  
Copyright 2003 Rational Discovery LLC  
Copyright 2009-2011 Steven Watanabe Distributed  
Copyright 2010 Thomas Claveirole Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Thomas Claveirole  
(C) Copyright Aaron W. LaFramboise Roland Schwarz Michael Glassford 2004  
Copyright 2004 eXtensible Systems Inc  
Copyright (c) 2008-2016 Emil Dotchevski and Reverge Studios Inc. NL NL Distributed under the Boost Software License  
Version  
Copyright 2004-2006 Arkadiy Vertleyb  
Copyright 1999-2001 Paul Moore  
Copyright 1990-2011 The MathWorks Inc. MathWorks grants  
Copyright 2006 &nbsp; Eric Niebler  
MIME-Version 1.0 To ahd6974-boostorg -at- yahoo.com [Edit - Delete] Subject Re [boost] Reminder Need your permission  
to correct license & copyright issues References <379990.36007.qm@web33507.mail.mud.yahoo.com> In-Reply-To  
<379990.36007.qm@web33507.mail.mud.yahoo.com>  
Copyright 2001 Ronald Garcia Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University  
(lums@osl.iu.edu). Distributed  
Copyright 2014 Glen Joseph Fernandes glenfe at live dot com  
Copyright 1995-2010 Jean-loup Gailly detect  
Copyright 2000 Clark Cooper dnl dnl This file is part of EXPAT.  
Copyright 2000, 2002-2003, 2005-2008 International Business Machines  
Copyright 2009-2010, 2013, 2015 Sebastian Redl  
Copyright 2001, 2006 &nbsp; John Maddock  
Copyright 2001-2003 Mac Murrett  
Copyright 2009-2016 the contributors listed in CREDITS.TXT  
Copyright 2003 Bruce Barr Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2001-2002 Jeremy Siek and John R. Bandela  
Copyright 2011 Garmin Ltd. or its subsidiaries  
Copyright 2015 Jakub Pola <jakub.pola@gmail.com>  
Copyright 2001 Francois Faure  
Copyright (c) 1995 Maarten Hilferink Amsterdam the Netherlands  
Copyright 2006 Thorsten Ottosen. Distributed under the Boost Software License Version  
Copyright 2010, 2012 Christopher Schmidt nathan Ridge  
(C) Copyright 2010 Dean Michael Berris. <mikhailberis@gmail.com> Instead of using std tmpnam we use Boost.Filesystem's  
unique  
Copyright 2005 Gregory P. Smith (greg@krypto.org)  
Copyright 2006-2008 International Business Machines Corp  
Copyright 2002-2003 Martin Wille  
Copyright 2002-2006 Pavol Droba  
Copyright (c) 2010 Eric Jourdanneau Joel Falcou Distributed under the Boost Software License Version  
Copyright (C) 2005-2009 Jongsoo Park  
Copyright 2012 Lee Hodgkinson  
Copyright 2005 Trustees of Indiana University Authors Andrew Lumsdaine Douglas Gregor

Copyright 2007-2008 Anthony Williams ifndef THREAD  
Copyright 2005-2007 Douglas Gregor <doug.gregor@gmail.com>  
Copyright 2012 Benjamin Sobotta  
Copyright 2006-2007, 2009-2010 Andy Tompkins. Distributed  
Copyright 2000-2003, 2006 Jens Maurer  
Copyright 2003 Jonathan de Halleux (dehalleux@pelikhan.com)  
Copyright 2006-2007 Julio M. Merino Vidal  
(C) Copyright Matthias Troyerk 2006  
Copyright 2013-2015 Nat Goodspeed  
Copyright 2013 John Maddock Distributed under the Boost Software License Version  
Copyright 2014 Kyle Lutz <kyle.r.lutz@gmail.com> Distributed  
Copyright 2008, 2014 Thijs van den Berg  
Copyright 2001 Universite Joseph Fourier Grenoble. Author Francois Faure  
Copyright 2009-2016 Mateusz Loskot London UK  
Copyright 2014 Glen Fernandes C  
Copyright 2009-2016 Vladimir Batov  
Copyright 2004-2006, 2008-2012, 2014 Eric Niebler  
Copyright 2009 Francois Barel  
Copyright 2001 Gennadiy Rozental  
Copyright 2000 Jeremy Siek and Andrew Lumsdaine  
(C) Copyright Stephen Silver 2001  
Copyright 2004 Jonathan Brandmeyer  
Copyright 2004 Angus Leeming  
Copyright 1993-1997 Bell Labs Innovations for Lucent Technologies  
Copyright 2008-2009 Katholieke Universiteit Leuven  
Copyright 2006 Xiaogang Zhang  
Copyright 2001 Francois Faure iMAGIS-GRAVIR UJF  
Copyright 2008 N. Musatti  
Copyright 2001-2009 Daniel Nuffer  
Copyright 2002 Robert Ramey-  
Copyright 2000-2005, 2012-2013 Daryle Walker  
Copyright 2007 Douglas Gregor and Matthias Troyer  
(C) Copyright Jens Mauer 2001  
Copyright 2007 Noel Belcourt  
Copyright 2001 Dietmar Kuehl  
Copyright 2005-2006 Shunsuke Sogame  
Copyright 2002 Craig Henderson  
Copyright 2012 Qualcomm Innovation Center Inc  
Copyright 2002 Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright 2001-2012, 2014 Thomas Bernard  
Copyright 2006 Dean Edwards License  
Copyright 20142014 Matei David  
Copyright 2005-2006 Michael Drexl  
Copyright 2003-2007 Jonathan Turkanis  
Copyright 2009-2010 Tim Blechmann Distributed  
Copyright 2009 Troy D. Straszheim  
Copyright 2003-2004 Jeremy B. Maitin-Shepard  
Copyright 2011 Francois Mauger  
Copyright 2012 define XSTR  
Copyright 2003 Rational Discovery LLC. Distributed  
Copyright 2002-2006 Gennaro Prota  
Copyright 2007-2008 Joseph Gauterin  
&copy Copyright Gavin Collings 2000  
Copyright (c) 2004 Robert Ramey Indiana University (garcia@osl.iu.edu) Andrew Lumsdaine Indiana University  
(lums@osl.iu.edu). Use modification and distribution is subject to the Boost Software  
Copyright (C) 2008 2009 2016 Tim Blechmann based on code by Cory Nelson

(C) Copyright 2006 Boris Gubenko. HP-UX has  
Copyright 2004 Robert Ramey and Martin Ecker  
Copyright 2009 Trustees of Indiana University. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek Michael Hansen  
Copyright 1984, 1989-1990, 1992-2016 Free Software Foundation Inc  
Copyright 2001-2002 Jeremy G. Siek Andrew Lumsdaine Lie-Quan Lee  
Copyright 2000-2008 Fernando Luis Cacciola Carballal  
Copyright 2005-2008 Adobe Systems Inc  
(C) Copyright 2010 Dean Michael Berris. Instead of using the potentially dangerous tempnam function that's part of the C  
standard library on Unix Linux we use the more portable and  
Copyright 2012-2013 Andreas Angelopoulos  
Copyright 2002 Marc Wintermantel (wintermantel@even-ag.ch) ETH Zurich Center of Structure Technologies  
Copyright 2001 Lie-Quan Lee  
Copyright 2006 Trustees of Indiana University Authors Douglas Gregor and Jeremy Siek  
Copyright 2003-2014 Neil Groves  
Copyright 2001, 2003 Samuel Krempp  
Copyright 1992-1996 Regents of the University of Michigan  
Copyright (c) 2013 Agust  
Copyright 2014-2015 John Fletcher Distributed  
(C) Copyright 2007 Andreas Kloeckner  
Copyright 2013 Paul Bristow Distributed  
Copyright 2015 Oliver Kowalke Nat Goodspeed  
Copyright 2001 Mat Marcus Jesse Jones and Adobe Systems Inc  
Copyright 2000, 2010 Dave Abrahams Steve Cleary Beman Dawes Howard Hinnant and John Maddock  
Copyright 2000 Cadenza New Zealand Ltd  
Copyright 2013-2014 Rastko Anicic <anicic.rastko@gmail.com>  
Copyright 2012 Lucanus Simonson  
Copyright 2006-2012, 2014-2015 Steven Watanabe  
Copyright 1993-1994 Exemplar Logic Inc  
Copyright 2013 Eurodecision  
Copyright 2000-2017 Peter Dimov  
Copyright 2005-2010 Niklas Sorensson  
Copyright (c) 2002 Lars Gullik Bj  
Copyright 2001-2003 William E. Kempf  
Copyright 2013 Pascal Germroth Distributed  
Copyright 2011 Stefan Seefeld. Distributed under the Boost Software License Version  
Copyright 2001-2002 Chuck Allison and Jeremy Siek  
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock  
Copyright 2011-2012 Jeff Flinn Boris Schaeling  
Copyright 2001-2002 Bill Kempf  
Copyright 2009 Trustees of Indiana University Author Jeremiah Willcock  
Copyright 1995-2010 Jean-loup Gailly  
Copyright 2013-2014 Anton Bikineev  
Copyright 2014, 2804 Fabian Khler <fabian2804@googlemail.com>  
Copyright 2006-2007 Roland Schwarz  
Copyright 2010 Nuovation System Designs LLC  
Copyright 2002-2013 Thorsten Ottosen  
(C) Copyright 2006 David Abrahams - <http://www.boost.org>. implementation of class export functionality. This is an  
alternative to forward declaration method to provoke instantiation of derived classes  
(C) Copyright 2015 Kyle Lutz Distributed under the Boost Software License Version  
Copyright 2002-2014 Christopher Kormanyos  
Copyright 2010 Pietro Belotti  
Copyright 2006-2007 Boris Gubenko  
(C) Copyright Dave Abrahams and Daniel Walker 1999-2003  
Copyright Sebastian Redl 2009  
Copyright 2007 Frank Birbacher  
Copyright 2015 Seth Heeren

Copyright (c) 2011 Paul A. Bristow incorporated Boost.Math  
Copyright 1997-2001 University of Notre Dame. Authors Andrew Lumsdaine Lie-Quan Lee Jeremy G. Siek  
Copyright (c) 2016 Jason Rhinelander <jason@imaginary.ca>  
Copyright 2012-2016 Yann Collet  
Copyright 2002-2007, 2009 Marcin Kalicinski  
Copyright 2005-2006 Alain Miniussi  
Copyright 2009-2012 Vicente J.Botet Escriba.  
Copyright 2004-2005, 2012 Eric Niebler Distributed  
Copyright 2013 Rene Rivera Distributed under the Boost Software License Version  
Copyright 2000-2001 Stephen Cleary  
Copyright 2010 Gaetano Mendola  
Copyright 2012-2013 Karsten Ahnert Distributed  
Copyright 2005-2007, 2012 Universiteit Leiden  
Copyright 1999-2006, 2009 David Abrahams  
Copyright 2013 Sergue E. Leontiev  
Copyright 2003 David Abrahams and Gottfried Ganssauge  
Copyright 2000-2004 Joerg Walter Mathias Koch  
Copyright (c) 2003 Jonathan de Halleux <http://spirit.sourceforge.net> <http://www.boost.org> libs spirit  
Copyright (c) 2009 Spirent Communications Inc.  
Copyright 2000-2001, 2003 Synopsys  
Copyright 2004-2006 David Abrahams & Ralf W. Grosse-Kunsteve  
Copyright 2006 Tiago de Paula Peixoto <tiago@forked.de>  
Copyright Jan Langer 2002  
Copyright 2005-2011 Robert Fourer Horand Gassmann Jun Ma Kipp Martin Dalhousie University Northwestern University  
and the University of Chicago  
Copyright 2006 Andy Tompkins  
Copyright 2002-2005 Guillaume Melquiond  
Copyright 2007, 2011 Emil Dotchevski  
Copyright 2005 Arkadiy Vertleyb Peder Holt  
Copyright 2002-2006 The Apache Software Foundation or its licensors as dnl applicable. dnl  
Copyright 2011 Aaron Graham  
Copyright 2000-2011 Joerg Walter Mathias Koch David Bellot  
Copyright 2010-2012 Jim Bosch  
Copyright 2003-2009 Joaquin M Lopez Munoz  
Copyright 1998-2011 Solar Designer and it is hereby released to the general public  
Copyright (c) 2016 Klemens D. Morgenstern klemens.morgenstern at gmx dot net  
Copyright 1997 Cadence Design Systems Inc  
Copyright 2016 Klemens Morgenstern Antony Polukhin  
Copyright (c) 1998 Sun Microsystems Inc. puts  
Copyright 2003 Francois Margot International Business Machines Corp and others  
Copyright (C) 2016 K. Noel Belcourt  
Copyright Daryle Walker Hubert Holin and John Maddock 2006  
Copyright 2010 Nicolas Lelong  
Copyright 2012, 2015 INRIA Paris-Rocquencourt  
Copyright 2002-2014 Robert Ramey -  
Copyright (c) Christopher Diggins 2005  
Copyright 2013 Jakob Lykke Andersen University of Southern Denmark (jlandersen@imada.sdu.dk)  
Copyright 2000-2009 Joerg Walter Mathias Koch Gunter Winkler  
Copyright (c) 2005 Peter Dimov For Boost Phoenix  
Copyright 1994 X Consortium  
Copyright 2011 Simon West  
Copyright 2011 Andrew Ross  
Copyright 2009-2016 Abel Sinkovics (abel@sinkovics.hu)  
Copyright 2010-2016 Edward Diener  
Copyright 2016 Raffi Enficiaud  
Copyright Copyright Xilinx Inc. All Rights Reserved.



FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

=====  
Copyrights and Licenses for Third Party Software Distributed with LLVM:  
=====

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:

| Program           | Directory                                                |
|-------------------|----------------------------------------------------------|
| Google Test       | llvm/utils/unittest/googletest                           |
| OpenBSD regex     | llvm/lib/Support/{reg*, COPYRIGHT.regex}                 |
| pyyaml tests      | llvm/test/YAMLParse/*.*.data, LICENSE.TXT                |
| ARM contributions | llvm/lib/Target/ARM/LICENSE.TXT                          |
| md5 contributions | llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h |

```
>>>>regex
$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp $
```

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.  
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

```
-----
/*-
 * Copyright (c) 1994
 *   The Regents of the University of California. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *   notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *   notice, this list of conditions and the following disclaimer in the
 *   documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the University nor the names of its contributors
 *   may be used to endorse or promote products derived from this software
 *   without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
 *   @(#)COPYRIGHT 8.1 (Berkeley) 3/16/94
 */
```

```
>>>> gmock
 / Copyright 2007, Google Inc.
 // All rights reserved.
 //
 // Redistribution and use in source and binary forms, with or without
 // modification, are permitted provided that the following conditions are
 // met:
 //
 //   * Redistributions of source code must retain the above copyright
 //   notice, this list of conditions and the following disclaimer.
 //   * Redistributions in binary form must reproduce the above
 //   copyright notice, this list of conditions and the following disclaimer
 //   in the documentation and/or other materials provided with the
 //   distribution.
 //   * Neither the name of Google Inc. nor the names of its
 //   contributors may be used to endorse or promote products derived from
 //   this software without specific prior written permission.
 //
 // THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
 // "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
 // LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
 // A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
 // OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 // SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
```



```
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
//  
// Author: wan@google.com (Zhanyong Wan)
```

```
// Google Mock - a framework for writing C++ mock classes.
```

```
>>>> googletest  
Copyright 2008, Google Inc.  
All rights reserved.
```

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
>>>> benchmark
```

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>

## TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

### 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the

Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
  - (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use,

reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

**END OF TERMS AND CONDITIONS**

**APPENDIX: How to apply the Apache License to your work.**

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include

the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

```
>>>> md5.h, md5.cpp
```

```
/* -*- C++ -*-
```

```
* This code is derived from (original license follows):
```

```
*
```

```
* This is an OpenSSL-compatible implementation of the RSA Data Security, Inc.
```

```
* MD5 Message-Digest Algorithm (RFC 1321).
```

```
*
```

```
* Homepage:
```

```
* http://openwall.info/wiki/people/solar/software/public-domain-source-code/md5
```

```
*
```

```
* Author:
```

```
* Alexander Peslyak, better known as Solar Designer <solar at openwall.com>
```

```
*
```

```
* This software was written by Alexander Peslyak in 2001. No copyright is
```

```
* claimed, and the software is hereby placed in the public domain.
```

```
* In case this attempt to disclaim copyright and place the software in the
```

```
* public domain is deemed null and void, then the software is
```

```
* Copyright (c) 2001 Alexander Peslyak and it is hereby released to the
```

```
* general public under the following terms:
```

```
*
```

```
* Redistribution and use in source and binary forms, with or without
```

```
* modification, are permitted.
```

```
*
```

```
* There's ABSOLUTELY NO WARRANTY, express or implied.
```

```
*
```

```
* See md5.c for more information.
```

```
*/
```

```
>>>> config.guess
```

```
# Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999,
```

```
# 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010,
```

```
# 2011 Free Software Foundation, Inc.
```

```
timestamp='2011-08-20'
```



software that is licensed under the GPLv2 ("Combined Software") and if a court of competent jurisdiction determines that the patent provision (Section 3), the indemnity provision (Section 9) or other Section of the License conflicts with the conditions of the GPLv2, you may retroactively and prospectively choose to deem waived or otherwise exclude such Section(s) of the License, but only in their entirety and only with respect to the Combined Software.

---

---

Software from third parties included in the LLVM Project:

---

---

The LLVM Project contains third party software which is under different license terms. All such code will be identified clearly using at least one of two mechanisms:

- 1) It will be in a separate directory tree with its own `LICENSE.txt` or `LICENSE` file at the top containing the specific license and restrictions which apply to that software, or
- 2) It will contain specific license and restriction terms at the top of every file.

---

---

Legacy LLVM License (<https://llvm.org/docs/DeveloperPolicy.html#legacy>):

---

---

University of Illinois/NCSA  
Open Source License

Copyright (c) 2007-2019 University of Illinois at Urbana-Champaign.  
All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

>>>>

LLVM System Interface Library

-----  
The LLVM System Interface Library is licensed under the Illinois Open Source License and has the following additional copyright:

Copyright (C) 2004 eXtensible Systems, Inc.

>>>> Google

Copyright 2008, Google Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- \* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>

/\*\*\*\*\*

- \* Copyright 2019-2020 Xilinx, Inc.

\*

- \* Licensed under the Apache License, Version 2.0 (the "License");

- \* you may not use this file except in compliance with the License.

- \* You may obtain a copy of the License at

\*

- \* <http://www.apache.org/licenses/LICENSE-2.0>

\*

- \* Unless required by applicable law or agreed to in writing, software

- \* distributed under the License is distributed on an "AS IS" BASIS,

- \* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.



\* See the License for the specific language governing permissions and  
\* limitations under the License.

\*\*\*\*\*/

>>> \$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp \$

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.  
This software is not subject to any license of the American Telephone  
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on  
any computer system, and to alter it and redistribute it, subject  
to the following restrictions:

1. The author is not responsible for the consequences of use of this  
software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by  
explicit claim or by omission. Since few users ever read sources,  
credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be  
misrepresented as being the original software. Since few users  
ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

-----

/\*-

- \* Copyright (c) 1994
- \* The Regents of the University of California. All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the University nor the names of its contributors
- \* may be used to endorse or promote products derived from this software
- \* without specific prior written permission.
- \*

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*







in the documentation and/or other materials provided with the distribution. 3.

The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2001-2004, 2018 Swedish Institute of Computer Science. All rights reserved.

Copyright (c) 2017 Joel Cunningham, Garmin International, Inc. <joel.cunningham@garmin.com> All rights reserved.

Copyright (c) 2014, 2017, 2018 Simon Goldschmidt All rights reserved.

Copyright (c) 2007-2009 Frédéric Bernon, Simon Goldschmidt All rights reserved.

Copyright (c) Deltatee Enterprises Ltd. 2013 All rights reserved.

Copyright (c) 2007 Dominik Spies <kontakt@dspies.de> All rights reserved.

Copyright (c) 2001-2004 Leon Woestenberg leon.woestenberg@gmx.net. All rights reserved.

Copyright (c) 2001-2004, 2006 Axon Digital Design B.V., The Netherlands. All rights reserved.

Copyright (c) 2010, 2015 Inico Technologies Ltd. All rights reserved.

Copyright (c) 2002-2003, Adam Dunkels. All rights reserved.

Copyright (c) Deltatee Enterprises Ltd. 2013 All rights reserved.

Copyright (c) 2015 Verisure Innovation AB All rights reserved.

Copyright (c) 2016 Erik Andersson <erian747@gmail.com> All rights reserved.

Copyright (c) 2016 Elias Oenal. All rights reserved.

Copyright (c) 2015, 2017 Dirk Ziegelmeier All rights reserved.

Copyright (c) 2002 CITEL Technologies Ltd. All rights reserved.

Copyright (c) 2007 Dominik Spies <kontakt@dspies.de> All rights reserved.

Copyright (c) 2017 The MINIX 3 Project. All rights reserved.

Copyright (c) 2002 Google, Inc. All rights reserved.

Copyright (c) 2017 Benjamin Aigner Technologies Ltd., Author: Ivan Delamer <delamer@inicotech.com> All rights reserved.

Copyright (c) 1994-2002, 2003, 2008 Paul Mackerras. All rights reserved.

Copyright (c) 1995 Eric Rosenquist. All rights reserved.

Copyright (c) 2001 by Sun Microsystems, Inc. All rights reserved.

Copyright (c) 2002 Google, Inc. All rights reserved.

Copyright (c) 1999 Tommi Komulainen. All rights reserved.

Copyright (c) 1999 Tommi Komulainen. All rights reserved. / Original version, based on RFC2023: Copyright (c) 1995, 1996, 1997 Francis.Dupont@inria.fr, INRIA Rocquencourt, Alain.Durand@imag.fr, IMAG, Jean-Luc.Richier@imag.fr, IMAG-LSR. Copyright (c) 1998, 1999 Francis.Dupont@inria.fr, GIE DYADE, Alain.Durand@imag.fr, IMAG, Jean-Luc.Richier@imag.fr, IMAG-LSR.

Copyright (c) 1984-2000 Carnegie Mellon University. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name "Carnegie Mellon University" must not be used to endorse or promote products derived from this software without prior written permission. For permission or any legal details, please contact Office of Technology Transfer Carnegie Mellon

University 5000 Forbes Avenue Pittsburgh, PA 15213-3890 (412) 268-4387, fax: (412) 268-7395 tech-transfer@andrew.cmu.edu 4. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by Computing Services at Carnegie Mellon University (<http://www.cmu.edu/computing/>)." **CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.**

Copyright (c) 2003 by Marc Boucher, Services Informatiques (MBSI) inc. portions Copyright (c) 1997, 1998 Global Election Systems Inc. The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice and the following disclaimer are included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. **THIS SOFTWARE IS PROVIDED BY THE CONTRIBUTORS AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

Copyright (c) 2006 by Marc Boucher, Services Informatiques (MBSI) inc. The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice and the following disclaimer are included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. **THIS SOFTWARE IS PROVIDED BY THE CONTRIBUTORS AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.** REVISION HISTORY 06-01-01 Marc Boucher <marc@mbsi.ca> Ported to lwIP. based on NetBSD: if\_pppoe.c,v 1.64 2006/01/31 23:50:15 martin Exp / Copyright (c) 2002 The NetBSD Foundation, Inc. All rights reserved. This code is derived from software contributed to The NetBSD Foundation by Martin Husemann <martin@NetBSD.org>. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions

and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the NetBSD Foundation, Inc. and its contributors. 4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 1989 Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Copyright (C) 2006-2008 Christophe Devine Copyright  
(C) 2009 Paul Bakker <polarssl\_maintainer at polarssl dot org> All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. Neither the names of PolarSSL or XySSL nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. /

Copyright (c) 2013-2017, tinydir authors: Cong Xu Lautis Sun Baudouin Feildel Andargor <andargor@yahoo.com> All rights reserved. Redistribution and use in

source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1993-2002 Paul Mackerras. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. The name(s) of the authors of this software must not be used to endorse or promote products derived from this software without prior written permission. 3.

Redistributions of any form whatsoever must retain the following acknowledgment:

"This product includes software developed by Paul Mackerras <[paulus@samba.org](mailto:paulus@samba.org)>".

THE AUTHORS OF THIS SOFTWARE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. Derived

from main.c, which is: Copyright (c) 1984-2000 Carnegie Mellon University. All

rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are

met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in

binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials

provided with the distribution. 3. The name "Carnegie Mellon University" must

not be used to endorse or promote products derived from this software without

prior written permission. For permission or any legal details, please contact

Office of Technology Transfer Carnegie Mellon University 5000 Forbes Avenue

Pittsburgh, PA 15213-3890 (412) 268-4387, fax: (412) 268-7395 tech-

transfer@andrew.cmu.edu 4. Redistributions of any form whatsoever must retain

the following acknowledgment: "This product includes software developed by

Computing Services at Carnegie Mellon University

(<http://www.cmu.edu/computing/>)." CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL

WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE

LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES

WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF

CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION

WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. /



Copyright (c) 2002,2003,2004 Google, Inc. All rights reserved. License: Permission to use, copy, modify, and distribute this software and its documentation is hereby granted, provided that the above copyright notice appears in all copies. This software is provided without any warranty, express or implied.

Copyright (c) 1994 The Australian National University. All rights reserved. Permission to use, copy, modify, and distribute this software and its documentation is hereby granted, provided that the above copyright notice appears in all copies. This software is provided without any warranty, express or implied. The Australian National University makes no representations about the suitability of this software for any purpose. IN NO EVENT SHALL THE AUSTRALIAN NATIONAL UNIVERSITY BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE AUSTRALIAN NATIONAL UNIVERSITY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE AUSTRALIAN NATIONAL UNIVERSITY SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE AUSTRALIAN NATIONAL UNIVERSITY HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

Copyright (c) 1989 Carnegie Mellon University. All rights reserved. Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by Carnegie Mellon University. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Copyright (c) 1989 Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.





online forms, and in one or more languages.

1.3. "Licensor" means any person who, or entity which, grants a license to MathWorks to redistribute that person's or entity's intellectual property.

1.4. "Materials" means the computer software delivered and licensed hereunder, including Documentation, enhancements and error corrections.

1.5. "Third Party" means any person or legal entity that is not MathWorks or the Licensee.

2. LICENSE GRANT. MathWorks hereby grants to Licensee, subject to the terms of this Agreement, a nonexclusive, nontransferable, revocable license (the "License") to use the Materials internally or for the purpose of providing to MathWorks engineering feedback on the Materials, as the context may require. In all cases, the Materials are licensed to you solely for use in conjunction with MathWorks products and services.

3. LICENSE RESTRICTIONS. The License is subject to the express restrictions set forth below. Licensee shall not, and shall not permit any Third Party to:

3.1. modify, or create any derivative work of, any part of the licensed Materials

3.2. adapt, translate, copy, or convert all or any part of the Materials in order to create software or other materials, a principal purpose of which is (a) to perform the same or similar functions as the Materials or any other technology or materials licensed by MathWorks, or (b) to replace any component of the Materials or any other technology or materials licensed by MathWorks;

3.3. rent, lease, or loan the Materials; use the Materials for supporting Third Parties' use of the Materials, time share the Materials, or provide service bureau use;

3.4. disassemble, decompile, reverse engineer the Materials or otherwise attempt to gain access to its method of operation or source code (other than files provided for convenience in source code form by MathWorks);

3.5. sell, license, sublicense, publish, display, distribute, disseminate, assign, or otherwise transfer (whether by sale, exchange, lease, gift, or otherwise) to a Third Party the Materials, any copy or portion thereof, or any License or other rights thereto, in whole or in part, without MathWorks' prior written consent;

3.6. alter, remove, or obscure any copyright, trade secret, patent, trademark, logo, proprietary and/or other legal notices on or in copies of the Materials;

3.7. use MathWorks' name, trade names, logos, or other trademarks of MathWorks or any of its affiliates or Licensors in any advertising, promotional literature or any other material, whether in written, electronic, or other form, distributed to any Third Party, except in the form provided by MathWorks, and then solely for purposes of identifying

MathWorks' Materials;

3.8. provide access (directly or indirectly) to the Materials via a web or network application other than the licensee's internal network;

3.9. copy, make available for copy, or otherwise reproduce the Materials, in whole or in part, except either (a) as may be required for their installation into computer memory for the purpose of executing the Materials in accordance with this Agreement; or (b) to make a reasonable number of copies solely for back-up purposes provided that any such permitted copies shall reproduce all copyright, trade secret, patent, logo, proprietary and/or other legal notices contained in the original copy obtained from MathWorks; and/or

3.10. republish the Documentation.

#### 4. RETENTION OF RIGHT, TITLE AND INTEREST BY MATHWORKS AND ITS LICENSORS;

**CONFIDENTIALITY.** The Materials shall at all times remain the property of MathWorks and/or its Licensors and Licensee shall have no right, title, or interest therein, except as expressly set forth in this Agreement. The Materials are a commercially valuable product of MathWorks, the design and development of which reflect the efforts of skilled development experts and the investment of considerable time and expense. MathWorks claims and reserves all rights and benefits afforded under all relevant laws and regulations. Licensee shall take appropriate action by instruction, agreement, or otherwise with any persons permitted access to the Materials, so as to enable Licensee to satisfy its obligations under the terms of this Agreement. The Materials are proprietary information of MathWorks, and are protected by copyright law, trade secret law and other applicable law. Although MathWorks may consider a commercial release of the Materials, it is under no obligation to do so and MathWorks reserves the right to alter features, licensing terms, or other characteristics of any such commercial release.

**5. LICENSES FOR THIRD PARTY SOFTWARE.** MathWorks has been granted licenses to distribute certain Third Party software. Certain MathWorks Materials require the use of Third Party software products that may require a separate license from such Third Parties to use those Third Party products. Licensee agrees and acknowledges that, to the extent that the Materials contain any Third Party software: (i) such Third Party software is provided on an "as-is", pass-through basis, and as such is provided to Licensee without warranty, indemnification, support or other representation by MathWorks; and (ii) MathWorks bears no liability with respect to such Third Party software.

**6. TERM AND TERMINATION.** This Agreement shall continue until termination by MathWorks or Licensee as provided below. Either party may terminate this Agreement at any time, for any reason, upon written notice to the other party. Upon termination, Licensee shall promptly return all but archival copies of the Materials in Licensee's possession or control, or promptly provide written certification of their destruction.

**7. EXPORT CONTROL.** The Materials may be subject to U.S. export control laws or other (U.S. and non-U.S.) governmental export and import laws and regulations. Notwithstanding any other term of this Agreement or Third Party agreement, Licensee's rights under this Agreement may not be

exercised by Licensee or any Third Party in violation of such laws and regulations, nor may this Agreement be transferred to any party where doing so would result in such a violation. The terms of any limitation on the use, transfer or re-export of the Materials imposed by MathWorks in any Destination Control Statement or other document for the purpose of export control shall prevail over any term in this Agreement. It shall be Licensee's responsibility to comply with the latest United States or other governmental export and import regulations.

8. **FEDERAL ACQUISITION.** This provision applies to all acquisitions of the Materials and Documentation by, for, or through the federal government of the United States. By accepting delivery of the Materials or Documentation, the government hereby agrees that this software or documentation qualifies as commercial computer software or commercial computer software documentation as such terms are used or defined in FAR 12.212, DFARS Part 227.72, and DFARS 252.227-7014. Accordingly, the terms and conditions of this Agreement and only those rights specified in this Agreement, shall pertain to and govern the use, modification, reproduction, release, performance, display, and disclosure of the Materials and Documentation by the federal government (or other entity acquiring for or through the federal government) and shall supersede any conflicting contractual terms or conditions. If this License fails to meet the government's needs or is inconsistent in any respect with federal procurement law, the government agrees to return the Materials and Documentation, unused, to MathWorks.

9. **FOR EUROPEAN UNION LICENSEES ONLY.** Any contractual provisions of this Agreement contrary to laws implemented under Article 6 of Appendix V of the European Union Software Directive or to the exceptions provided for in Article 5(2) and (3) of such Appendix shall be null and void solely to the extent decompiling, disassembling, or otherwise reverse-engineering of the Materials is necessary to enable the Licensee to create an independent program that is interoperable with the Materials or any other permitted objectives specified by such laws implemented under such directive (collectively, the "Permitted Objectives"), provided that any such information gained is used solely for such Permitted Objectives.

10. **ASSIGNMENT.** Licensee may not assign or otherwise transfer this Agreement and its rights and obligations hereunder, in whole or in part, by operation of law or otherwise, without the written consent of MathWorks. In the case of any permitted assignment or transfer of or under this Agreement, this Agreement or the relevant provisions shall be binding upon, and inure to the benefit of, the successors, executors, heirs, representatives, administrators and assigns of the parties hereto. MathWorks may charge Licensee an administrative fee for any permitted assignment.

11. **LIMITATION OF LIABILITY.** The Materials should not be relied on as the sole basis to solve a problem or implement a design whose incorrect solution or implementation could result in injury to person or property. If the Materials are employed in such a manner, it is at the Licensee's own risk and MathWorks and its Licensors explicitly disclaim all liability for such misuse to the extent allowed by law. MathWorks' and its Licensors' liability for death or personal injury resulting from negligence or for any other matter in relation to which liability by law cannot be excluded or limited shall not be excluded or limited. Except as aforesaid, (a) any

other liability of MathWorks and its Licensors (whether in relation to breach of contract, negligence or otherwise) shall not in total exceed one hundred dollars (\$100.00); and (b) MathWorks and its Licensors shall have no liability for any indirect or consequential loss (whether foreseeable or otherwise and including loss of profits, loss of business, loss of opportunity, and loss of use of any computer hardware or software). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to Licensee.

12. **DISCLAIMER OF WARRANTIES.** The Materials are delivered "as is" and MathWorks makes and the Licensee receives no additional express or implied warranties. MathWorks and its Licensors hereby expressly disclaim any and all other conditions, warranties, or other terms of any kind or nature concerning the Materials (including, without limitation, any with regard to infringement, merchantability, quality, accuracy, or fitness for a particular purpose or Licensee's purpose). MathWorks also expressly disclaims any warranties that may be implied from usage of trade, course of dealing, or course of performance. The Materials are provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with Licensee. MathWorks does not warrant that the Materials will operate without interruption or be error free. Some states and countries do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to Licensee. Licensee may also have other rights which vary from state to state and country to country. Licensee accepts responsibility for its use of the Materials and the results obtained therefrom.

13. **GOVERNING LAW; JURISDICTION.** This Agreement shall be interpreted, enforced and construed and the rights of the parties hereunder governed in all respects by the laws of the Commonwealth of Massachusetts, United States of America, without regard to its conflicts of law provisions, and both parties consent to the jurisdiction of the federal and state courts located in said Commonwealth and consent to the service of process, pleadings and notices in connection with any and all actions initiated in such courts. The parties agree that a final judgment in any such action or proceeding shall be conclusive and binding and may be enforced in any other jurisdiction. To the extent any governing law, treaty, or regulation is in conflict with this Agreement, the conflicting terms of this Agreement shall be superseded only to the extent necessary by such law, treaty, or regulation. If any provision of this Agreement shall be otherwise unlawful, void, or otherwise unenforceable, that provision shall be enforced to the maximum extent permissible. In either case, the remainder of this Agreement shall not be affected. The parties agree that the U.N. Convention on Contracts for the International Sale of Goods shall not apply to this Agreement. The parties further agree that the Uniform Computer Information Transactions Act, or any version thereof, adopted by any state, in any form ("UCITA"), shall not apply to this Agreement. To the extent that UCITA is applicable, the parties agree to opt out of the applicability of UCITA pursuant to the Opt-Out provision(s) contained therein.

14. **HEADINGS.** The inclusion of headings is for convenience of reference only and shall not affect the construction or interpretation of this Agreement.





FROM WHOM YOU ACQUIRED THE PROGRAMS, OR FROM MATHWORKS IF YOU ACQUIRED THE PROGRAMS DIRECTLY FROM MATHWORKS.

1. **CAPITALIZED TERMS.** Capitalized terms used in this Agreement and not otherwise defined in this Agreement shall have the definitions ascribed to them in Article 23 below.

2. **LICENSE GRANT.** MathWorks hereby grants to Licensee, subject to the terms of this Agreement, a nonexclusive license (the "License") to:

2.1. install and use the Programs solely on Computers controlled by Licensee, in accordance with the License Offering acquired, and solely for Internal Operations;

2.2. use the Programs as expressly allowed in the Program Offering Guide, for instance to deploy Applications, consistent with the terms of the License Offering acquired;

2.3. provide reasonable access to online Documentation on Licensee's intranet, provided it is not accessible over the open Internet; and

2.4. print portions of the online Documentation for reasonable use by Licensed Users.

3. **LICENSE RESTRICTIONS.** The License granted is subject to the express restrictions set forth below and any other restrictions set forth in any signed agreement between MathWorks and Licensee. Licensee shall not, and shall not cause or permit any other individual or entity to, directly or indirectly:

3.1. modify or create any derivative work of a Program, except as expressly permitted in the Program Offering Guide;

3.2. use a Program for any act which infringes copyright of a Program, for instance, by developing, producing, or testing a computer program containing a feature or functionality that is substantially similar in its expression to the expression contained in a Program;

3.3. disassemble, decompile, or reverse engineer a Program, or attempt to gain access to its method of operation or source code;

3.4. adapt, translate, copy, convert, use, test, benchmark, or determine the expression or design of, a Program or any materials derived from or generated by a Program, in order to make or distribute an application or software, a principal purpose of which, as reasonably determined by MathWorks, is to perform the same or similar functions as a Program or other MathWorks product or service or which replaces any component of a Program or other MathWorks product or service. Licensee shall not use a Program to compete with the products or businesses of MathWorks, including by distributing libraries or any form of an entire Program or Program Component;

3.5. rent, lease, or loan the Programs, use the Programs for supporting Third Parties' use of the Programs, time share the Programs, or provide service bureau or similar service use;

3.6. sell, license, sublicense, provide access, publish, display, distribute, disseminate, assign, or otherwise transfer to a Third Party the Programs or any copy thereof, or any license or other rights thereto, in whole or in part, without MathWorks' prior written consent, except as expressly permitted in the Program Offering Guide;

3.7. alter, remove, or obscure any copyright, trade secret, patent, trademark, logo, proprietary and/or other legal notices or license files on or in copies of a Program or Program Component, including copies made for backup purposes;

3.8. provide access (directly or indirectly) to any Program via a web or network interface, except as expressly permitted in the License Offering;

3.9. copy, make available for copy, or otherwise reproduce the Programs except either (a) as may be required for their installation for the purpose of executing the Program in accordance with the License Offering, or (b) to make a reasonable

number of copies solely for back-up purposes;

3.10. access or use MathWorks products or services that Licensee is not currently licensed to access or to use;

3.11. allow the Programs to be accessed or used by a Third Party except as expressly permitted in the Program Offering Guide;

3.12. disclose or transfer the activation key, login credentials, and/or license file to a Third Party, or allow them to be used by a Third Party without written authorization from MathWorks or as permitted by the License Offering acquired;

3.13. republish the Documentation, except as expressly permitted in Article 2 of this Agreement;

3.14. create a server or automated system for the Transformation Programs without obtaining a license from MathWorks that expressly allows such use (see the Program Offering Guide);

3.15. disable, circumvent, or workaround any technical limitations in the Programs;

3.16. access, enable access to, modify, translate, use or otherwise make available temporary intermediate files produced by a Program;

3.17. make any use of the License on behalf of or for the benefit of a Third Party or Affiliate in any manner that would constitute a violation of the License if such use were directly made by such person, or cause any Third Party or Affiliate to make any use of the License on behalf of or for the benefit of Licensee or an Affiliate in any manner that would constitute a violation of this License if such use were directly made by Licensee;

3.18. acquire the License if a principal purpose of the acquisition is to transfer or assign the License to a Third Party or Affiliate unless expressly permitted by MathWorks;

3.19. mechanize or automate the process of checking out or in license keys for one or more Programs, including by running a second session of a Program, running a Program to serve multiple users, or rebooting the License Manager, for a principal purpose of minimizing the License check out time of any Programs, or otherwise circumventing the intended License Manager operation;

3.20. use a License Manager other than the one which was provided with the most recent version of the Programs Licensee is using;

3.21. take any action that requires any portion of the Programs to be subject to end-user rights incompatible or inconsistent with the restrictions set forth in this Agreement;

3.22. allow access to the Programs by an individual who is under 13 years old or otherwise is under the lawful age for providing consent without obtaining the advance written consent of a parent or guardian and storing such consent in a retrievable way;

3.23. create an Application (a) providing capability similar to the capabilities of any of the Programs; (b) providing functionality or behavior similar to that of the MATLAB command line or scripting and programming capabilities; (c) allowing operation of the code generation capabilities of Programs; (d) providing access to an entire Program or a substantial portion of a Program; or (e) enabling evaluation of end-user code or expressions;

3.24. distribute an Application that includes library header files from any of the Programs or any Program Component;

3.25. distribute an Application that reads MAT-files (i.e., files in the MATLAB MAT data file format) using the MAT file API to Third Parties, unless such Application also allows such Third Parties to write MAT-files for the same data;

3.26. distribute an Application without an Application License, unless the Application is solely for Internal Operations or is part of an embedded system that has no provision for licensing to its end-users;

3.27. distribute an Application unless all copyright and proprietary notices for the Programs are duplicated and included with Licensee's own copyright notices for the Application, wherever they appear; and

3.28. make copies of the MATLAB Runtime accessible to any Third Party separate from or for use other than with an Application, or provide the MATLAB Runtime for service bureau or similar service use.

4. PROGRAM TRIAL EVALUATION; COMPLIMENTARY LICENSES. Licensee agrees to use any Program provided to Licensee as a trial evaluation only for the period of the trial evaluation which may be controlled by a license key code, only to evaluate it individually for potential purchase of a license to the Program as an end-user, to conduct no business with it, to remove it and all result files produced from any of Licensee's Computers at the end of the trial evaluation period and to comply with all other obligations and restrictions in this Agreement. Licensee agrees to use any Program awarded to Licensee on a complimentary basis for student engineering competitions and similar competitions, course support, research, fellowship participation, and teaching assistance only for the specific purpose and period of the award, to conduct no business with it, and to comply with all other obligations and restrictions in the award letter and in this Agreement.

5. ADDITIONAL FEES. The fees for the License are determined based upon the country where all Licensed User(s) are principally located. Additional fees may apply to a transfer of the License, or the principal location of any Licensed User, to another country, or to a contract for global use.

6. RETENTION OF RIGHT, TITLE AND INTEREST BY MATHWORKS AND ITS LICENSORS; THIRD PARTY LICENSORS. The Programs are licensed not sold. The Programs, including Derivative Forms of the Programs and MATLAB Runtime, shall at all times remain the property of MathWorks and/or MathWorks' Licensors. Licensee shall have no right, title, or interest therein, except as expressly set forth in this Agreement. Licensee shall take appropriate action by instruction, agreement, or otherwise with any persons permitted access to the Programs, so as to enable Licensee to satisfy its obligations under the terms of this Agreement, including disabling access to the Programs, in the event of a transfer of the License. Licensee shall include the following notice in the About Box, or similar visible location, of any Application it distributes, and in the applicable documentation distributed with each copy of the Application: "MATLAB(r). (c) 1984-[INSERT YEAR MATLAB VERSION PUBLISHED] The MathWorks, Inc." Licensee agrees to employ the same security measures to protect the Programs, Derivative Forms, and MATLAB Runtime as it uses to safeguard Licensee's own proprietary intellectual property, but in no event less than reasonable care. Programs may include Third Party software licensed to Licensee under these terms or under separate terms of Licensors that are accessible within the relevant Programs in the thirdpartylicenses.txt file. Should such Third Party software be provided under the Lesser General Public License, Licensee may make modifications of the work identified in Section 6 of the Lesser General Public License for Licensee's own use and reverse engineering for debugging such modifications. Any Third Party services or data accessible through an interface in a Program are governed solely by the Third Party's terms of use or Licensee's own agreement with the Third Party.

7. SOFTWARE MAINTENANCE SERVICE. During any Software Maintenance Service term, MathWorks shall provide its customary Software Maintenance Service for the Programs. As further described in the Program Offering Guide, Software Maintenance Service consists of: delivering subsequent releases of the Programs, if any, that are not charged for separately; exerting reasonable efforts to both (a) provide, within a reasonable time, workarounds for any material programming errors in the current release of the Programs that are directly attributable to MathWorks, and (b) correct such errors in subsequent releases, provided Licensee gives MathWorks sufficient information to identify the errors; and technical support for the current release. Technical support means assistance by telephone, web, and e-mail with the installation and/or use of the then-current release of the licensed Programs, including all available bug fixes and patches, and their interaction with supported hardware and operating systems ("Platforms"). Software Maintenance Service may include additional administrative support services for the licensed Programs and access to certain online features and services made available by MathWorks from time to time. Levels of support and services available may vary by License Offering. If Licensee's Software Maintenance Service expires, Licensee must pay applicable fees to resume lapsed Software Maintenance Service. MathWorks reserves the option to discontinue, in whole or in part, and at any time, offering Software Maintenance Service and/or technical support for any Program, feature of a Program, or Platform or to refuse to provide Software Maintenance Service to a Licensee whom it reasonably believes is in breach of this Agreement.

## 8. TERM AND TERMINATION.

8.1. Term. This Agreement shall continue until the earlier of termination by MathWorks or Licensee as provided below or the expiration of the term of all Licenses granted hereunder.

8.2. Termination by Licensee. Licensee may terminate a License at any time, for any reason. Licensee shall not be entitled to any refund if a License is terminated, except for License fees paid for any Programs for which the Acceptance Period has not expired at the time of termination.

8.3. Termination by MathWorks. MathWorks may terminate this Agreement and all Licenses granted hereunder by written notice to Licensee if Licensee breaches any material term of this Agreement, including failure to pay any License fees due, and Licensee has not cured such breach within sixty (60) days of written notification. MathWorks may immediately terminate this Agreement and all Licenses granted hereunder if, after requesting and failing to receive from the Licensee adequate assurances of compliance with the terms of this Agreement, MathWorks reasonably believes that Licensee is or is intending to breach any material term of this Agreement. MathWorks may immediately terminate upon notice this Agreement and all Licenses granted hereunder should Licensee breach the terms and conditions of Articles 2, 3, 6, and/or 10. If Licensee or any of its Affiliates commences or participates in any legal proceeding against MathWorks or any of MathWorks' Affiliates challenging or asserting any intellectual property rights in or against any of the Programs licensed hereunder, then MathWorks may, without waiving any other legal rights or remedies available to it, immediately terminate this License. The foregoing sentence only applies to (a) a Licensee who has as its principal business the holding of patents and who does not engage, either directly or through an Affiliate, in any material active business of making products that embody the patents or (b) a Licensee who engages, either directly or through an Affiliate, in a principal business of licensing or making available commercial off the shelf software to Third Parties. The provisions of this Article 8.3 apply to all Licenses, including Perpetual Licenses.

8.4. Effect of Termination. Upon termination for any reason, Licensee shall promptly return all but archival copies of the Programs in Licensee's possession or control, or promptly provide written certification of their destruction.

8.5. Survival. The following provisions survive any termination of this Agreement: Articles 1, 3, 6, 8-11, and 13-23.

8.6. Effect of Termination on Applications. Termination of this Agreement will not affect the terms of any Application Licenses for Applications that have been placed in use prior to the effective date of termination.

9. PUBLICITY. Licensee may not use MathWorks' name, trade names, logos, or other trademarks of MathWorks or any of its Affiliates or Licensors in any advertising, promotional literature or any other material, whether in written, electronic, or other form, distributed to any Third Party, except in the form provided by MathWorks, and then solely for purposes of identifying MathWorks' Programs.

10. EXPORT CONTROL. The Programs are subject to U.S. export control laws and may be subject to applicable export and import laws and regulations in other jurisdictions. Notwithstanding any other term of this Agreement or Third Party agreement, Licensee's rights under this Agreement may not be exercised by Licensee or any Third Party in violation of such laws and regulations, nor may this Agreement be transferred to any party where doing so would result in such a violation. The terms of any limitation on the use, transfer or re-export of the Programs included in any Destination Control Statement or other document provided by MathWorks for the purpose of export control shall prevail over any term in this Agreement. It shall be Licensee's responsibility to comply with the latest United States or other governmental export and import regulations with respect to all use of the Programs and Applications.

11. FEDERAL ACQUISITION. This provision applies to all acquisitions of the Programs and Documentation by, for, or through the federal government of the United States. By accepting delivery of the Programs or Documentation, the government hereby agrees that this software or documentation qualifies as commercial computer software or commercial computer software documentation as such terms are used or defined in FAR 12.212, DFARS Part 227.72, and DFARS 252.227-7014. Accordingly, the terms and conditions of this Agreement and only those rights specified in this Agreement, shall pertain to and govern the use, modification, reproduction, release, performance, display, and disclosure of the Programs and Documentation by the federal government (or other entity acquiring for or through the federal government) and shall supersede any conflicting contractual terms or conditions. If this License fails to meet the government's needs or is inconsistent in any respect with federal procurement law, the government agrees to return the Programs and Documentation, unused, to MathWorks.

12. EUROPEAN UNION SOFTWARE DIRECTIVE. For any Licensed User properly licensed to use the Programs within the European Union, any contractual provisions of this Agreement contrary to laws implemented pursuant to Article 6 of Directive 2009/24/EC of the European Parliament and of the Council of 23 April 2009 on the legal protection of computer

programs or to the exceptions provided for in Article 5(2) and (3) of such Directive shall be null and void solely to the extent decompiling, disassembling, or otherwise reverse-engineering of the Programs is necessary to enable the Licensee to achieve the interoperability of an independently created program with the Programs or any other permitted objectives specified by such laws implemented under such Directive (collectively, the "Permitted Objectives"), consistent with the Directive, provided that any such information gained is used solely for such Permitted Objectives and solely in the European Union.

13. **TAXES, DUTIES, CUSTOMS.** Absent appropriate exemption certificates or other conclusive proof of tax exempt status, Licensee shall pay all applicable sales, use, excise, value-added, and other taxes, duties, levies, assessments, and governmental charges payable in connection with this Agreement or the Licenses granted hereunder, excluding taxes based on or measured by MathWorks' income, for which MathWorks shall be solely responsible.

14. **ASSIGNMENT.** Licensee may not assign or otherwise transfer this Agreement or any License hereunder, by operation of law or otherwise, without the written consent of MathWorks. Licensee agrees that MathWorks may withhold such consent if it reasonably believes that Licensee is in breach of this Agreement or that the proposed assignment or transfer will cause a breach of this Agreement. In the case of any permitted or other lawful assignment or transfer, the terms of this Agreement including any License hereunder shall be binding upon, and inure to the benefit of, the transferee or assignee.

15. **LIMITATION OF LIABILITY.** The Programs should not be relied on as the sole basis to solve a problem or implement a design whose incorrect solution or implementation could result in injury to person or property. If a Program is employed in such a manner, it is at the Licensee's own risk and MathWorks and its Licensors explicitly disclaim all liability for such misuse to the extent allowed by law. MathWorks' and MathWorks' Licensors' liability for death or personal injury resulting from negligence or for any other matter in relation to which liability by law cannot be excluded or limited shall not be excluded or limited. Except as aforesaid, (a) any other liability of MathWorks and its Licensors (whether in relation to breach of contract, negligence or otherwise) shall not in total exceed the amount paid to MathWorks under this Agreement in the twelve month period preceding the claim in question, for the Program with respect to which the liability in question arises; and (b) MathWorks and its Licensors shall have no liability for any indirect or consequential loss (whether foreseeable or otherwise and including loss of profits, loss of business, loss of opportunity, and loss of use of any computer hardware or software). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to Licensee. Licensee agrees that prior to using or distributing any Application, it will thoroughly test and validate the Application and will be solely responsible for any problems or failures.

16. **LIMITED WARRANTY/LIMITATION OF REMEDIES.** MathWorks warrants that MathWorks, on its own behalf or through its Licensors, has the right to grant the License rights hereunder. MathWorks warrants that the physical media provided shall be free from defects in material and workmanship for a period of ninety (90) days from delivery, or it will be replaced by MathWorks at no cost to Licensee. MathWorks further warrants, for a period of one (1) year from delivery or for the term of the License, whichever is less, that each copy of each Program will conform in all material respects to the description of such Program's operation in the Documentation. In the event that a Program does not operate as warranted, Licensee's exclusive remedy and MathWorks' sole liability under this warranty shall be the correction or workaround by MathWorks of major defects within a reasonable time. Should such correction or workaround be impractical, MathWorks may, at its option, terminate the relevant License and refund the initial License fee paid to MathWorks for such Program. All requests for warranty assistance should be directed to The MathWorks, Inc., 3 Apple Hill Drive, Natick, MA 01760-2098, U.S.A.

17. **DISCLAIMER OF WARRANTIES.** Except for warranties expressly set forth in Article 16 of this Agreement (or as implied by law where the law provides that the particular terms implied cannot be excluded by contract), any and all Programs, Documentation, and Software Maintenance Service are delivered "as is" and MathWorks makes and the Licensee receives no additional express or implied warranties. MathWorks and its Licensors hereby expressly disclaim any and all other conditions, warranties, or other terms of any kind or nature concerning the Programs, Documentation, and Software Maintenance Service (including, without limitation, any with regard to infringement, merchantability, quality, accuracy, or fitness for a particular purpose or Licensee's purpose). MathWorks also expressly disclaims any warranties that may be implied from usage of trade, course of dealing, or course of performance. Except for the express warranties stated in Article 16 of this Agreement, the Programs, Documentation, and Software Maintenance Service are provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with Licensee. MathWorks does not warrant that the Programs and Documentation will operate without interruption or be error free. Some states and countries do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to Licensee. The warranty in Article 16 gives Licensee specific legal rights and Licensee may also have other rights which vary from state to state and country to

country. Licensee accepts responsibility for its use of the Programs and the results obtained from their use. MathWorks shall have no support or warranty obligations, and disclaims all liability, for Applications developed or distributed by Licensee. Licensee will defend, indemnify, and hold harmless MathWorks and its Licensors, officers, directors, employees, agents and resellers from and against any damages, liabilities, costs and expenses (including reasonable fees of MathWorks' attorneys) arising out of any Third Party claim or demand based on or arising from, out of or in connection with (i) the creation, use, or distribution of any Applications by Licensee or any of its Affiliates or (ii) the use of the Programs by Licensee or any of its Affiliates in breach of this Agreement.

18. **GOVERNING LAW; JURISDICTION.** This Agreement shall be interpreted, enforced and construed and governed in all respects by the laws of the State of Delaware, United States of America, without regard to its conflicts of law provisions. Both parties consent to the jurisdiction of the federal and state courts located in the State of Delaware and consent to the service of process, pleadings and notices in connection with any and all actions initiated in such courts. The parties agree that a final judgment in any action or proceeding in Delaware shall be conclusive and binding and may be enforced in any other jurisdiction. To the extent that the acceptance of a contractual term contained in this Agreement is prohibited by reason of Licensee's sovereign immunity or any foreign, federal or state constitution, law, treaty, or regulation, the conflicting term of this Agreement shall be superseded only to the extent required. If any provision of this Agreement shall be otherwise unlawful, void, or unenforceable, that provision shall be enforced to the maximum extent permissible. In either case, the remainder of this Agreement shall not be affected. The parties agree that neither the U.N. Convention on Contracts for the International Sale of Goods nor the Uniform Computer Information Transactions Act, or any version thereof, in any form ("UCITA"), shall apply to this Agreement. To the extent that UCITA is applicable by reason of its adoption in a state, the parties agree to opt out of the applicability of UCITA pursuant to their Opt-Out provision(s).

19. **COMPLIANCE WITH LICENSES.** Licensee agrees to notify MathWorks promptly upon discovery of any failure to comply with this Agreement. Licensee agrees that, no more than once every twelve (12) months or within a reasonable time after a transfer, in addition to any other remedies at law or in equity, MathWorks or its authorized representative shall, upon reasonable prior notice, have the right to inspect Licensee's and Licensee's Affiliates' records, systems, and facilities, during normal business hours, to verify that Licensee's and its Affiliates' use of the Programs is in conformity with valid licenses and otherwise complies with this Agreement. If a verification discloses that Licensee's or any of its Affiliates' use is not in conformity with a valid license, Licensee shall immediately take all necessary steps to cure any past defaults, including paying any unpaid license fees, to bring Licensee's or any of its Affiliates' use into conformity.

20. **LICENSE MANAGEMENT AND USAGE INFORMATION.** The Programs contain technology for license management and for the prevention of unlicensed use. When Programs are activated, installed, or first used by a Licensed User, and periodically for license management and product improvement purposes, information about the License, use of the Programs, and the Computer will be transmitted to MathWorks. This data includes the License information, Computer identification, and location. Some License Offerings also require the MathWorks Account information and the operating system user name for the Licensed User. See MathWorks privacy policy at [www.mathworks.com/privacy](http://www.mathworks.com/privacy).

21. **HEADINGS.** The inclusion of headings is for convenience of reference only and shall not affect the construction or interpretation of this Agreement.

22. **ENTIRE AGREEMENT.** This Agreement contains the entire understanding of the parties and may not be modified, amended, or superseded except by a written agreement signed by MathWorks and Licensee. In the event of any conflict between this Agreement and any purchase order executed by Licensee (whether executed before or after this Agreement), this Agreement shall prevail.

23. **DEFINITIONS.** The definitions are an integral part of this Agreement.

23.1. "Affiliate" means a legal entity which is controlled by, or controls, or is under common control with Licensee. Control means (i) beneficial ownership of at least fifty percent (50%) of the voting securities of a corporation or other business organization with voting securities, or (ii) a fifty percent (50%) or greater interest in the profits and capital of a partnership or other business organization without voting securities, provided that no other individual or entity other than the Licensee also has an equal fifty percent (50%) ownership or interest in the legal entity. Notwithstanding the foregoing, unless MathWorks provides its express written consent to treat the entity as an Affiliate, an Affiliate shall not include any entity to which MathWorks has expressly refused to license (or grant access under a license to) its software products or any entity that had a license for MathWorks software products that MathWorks expressly terminated.

23.2. "Application" means binary executable software that runs independently of the Programs, consisting of one or more software files that Licensee has created by either (a) using a Program to compile or translate Licensee created Source Code or (b) incorporating or linking any part of any compiled Source Code, library file, or other Program Component provided with the Program. An Application must contain original code developed by Licensee and must provide substantial functionality not contained in, or provided by, the Program Components that are incorporated into such Application. If a software file created by a Licensee incorporates Program Components, but does not meet the requirements of the previous two sentences, then it is a Derivative Form (as defined below). An Application may contain Linked Object Code which, if such Object Code was not Linked to the Application and was a standalone file, would otherwise have been deemed a Derivative Form.

23.3. "Application License" means a license for an Application that contains terms and conditions that (a) are at least as restrictive as the terms and conditions of this Agreement; (b) explicitly exclude MathWorks and its Licensors from all liability for damages or remedies; (c) do not provide a warranty for any Program; (d) do not transfer or convey any use or deployment rights for any Program without MathWorks' consent; and (e) prohibit the removal of any copyright, trademark, logo, proprietary rights, disclaimer or warning notice included on or embedded in any part of the deployed Application. Further, if Licensee's Application is generated with the MATLAB Compiler, then Licensee's Application License shall include or incorporate by reference the terms of the MATLAB Runtime License included in a text file at [MCR Install Directory]\[version\_number]\MCR\_license.txt located within the installation for the MATLAB Runtime.

23.4. "Computer" means either (i) a single physical hardware system containing a single motherboard running an operating system, or (ii) a virtual machine running an operating system.

23.5. "Derivative Form" means one or more software files that Licensee has derived from one or more Program Components (including without limitation by incorporating, translating, or modifying, in whole or in part, any Program Component), and which, if modified or copied without MathWorks' authorization, would constitute a copyright infringement or breach of the Agreement. A software file created by Licensee which qualifies as an "Application" under the above definition shall not be deemed a Derivative Form.

23.6. "Documentation" means the user guides, if any, accompanying delivery of a Program or made available at [mathworks.com/help](http://mathworks.com/help), as may be updated from time to time, including the bug reports made available at [mathworks.com/support/bugreports](http://mathworks.com/support/bugreports) and the Program Offering Guide. Documentation may be delivered in any medium or language.

23.7. "Internal Operations" means the use of a Program by employees, consultants, student interns, and software administration contractors of Licensee or an Affiliate on behalf of the Licensee or Affiliate.

23.8. "License Manager" means the license management software provided for use with the Program(s).

23.9. "License Offering" means the specific rights, restrictions, and obligations under which Licensee may install and use a Program for the applicable License term as further described in the Program Offering Guide.

23.10. "Licensed User" means an individual authorized by MathWorks, Licensee or an Affiliate to use the Programs for Licensee's Internal Operations, to the extent permitted by the License Offering acquired.

23.11. "Licensee" means you, whether an individual or an entity, to whom MathWorks grants the License, and who is responsible for complying with the contractual obligations of this Agreement and ensuring that anyone permitted access to the Programs also complies with such obligations.

23.12. "Licensor" means the person who, or entity which, grants a license to MathWorks to redistribute that person's or entity's intellectual property.

23.13. "Linked" means an executable or loadable file created by a compiler or linker program combining Object Code module files.

23.14. "MATLAB Runtime" means MATLAB Runtime support libraries and other files for deployment of Applications.

23.15. "Object Code" means the code created by a system compiler from source code; also called "machine-readable code."

Object Code can be Linked with an appropriate linker to resolve address references and may be combined with other Object Code for targeted execution on a specific processor. Object Code includes "Object Code libraries" and "shared libraries," which are groupings of Object Code for specific purposes.

23.16. "Perpetual License" means the right to use the License indefinitely provided that the Licensee always remains in compliance with the terms of this Agreement.

23.17. "Program" means the software licensed hereunder, including Program Components, Documentation, enhancements, and error corrections. Each product licensed hereunder is a separate Program.

23.18. "Program Component" means any portion of, or file provided with, a Program.

23.19. "Program Offering Guide" means the Program Offering Guide for this release, presented after this Agreement.

23.20. "Source Code" means human-readable code written in a higher-level language such as C, C++, Java, MATLAB, MDL, SLX, VHDL, Verilog, or Fortran, which must be translated or compiled into machine-readable code before it can be executed by a computer. Source Code also includes header files and other human-readable files necessary for a Program to be compiled in the higher-level language.

23.21. "Third Party" means any person or legal entity that is not MathWorks, the Licensee, or an Affiliate.

23.22. "Transformation Program" means a Program whose primary purpose is to transform input files into output files without user interaction, including Programs used for the principal purpose of compiling, translating, or generating Source Code and Programs used for the principal purpose of verification, validation or inspection of design or Source Code, or report generation. See the Program Offering Guide for a full list of Transformation Programs.

03/2017

20365

## PROGRAM OFFERING GUIDE

RELEASE 2017b

---

This Program Offering Guide is an integral part of the Documentation for Release 2017b.

\* Part One describes each of the different License Offerings.

\* Part Two explains your limited rights to modify Program Components and distribute Applications that are made using the Programs that you license from MathWorks.

\* Part Three identifies the Transformation Programs for which a separate license is required to provide server access or system automation.

\* Part Four provides information about MathWorks Software Maintenance Service.

\* Part Five contains a Glossary of definitions of capitalized terms used in this Program Offering Guide. Any capitalized terms used in this Program Offering Guide that are not in the Glossary are defined in The MathWorks, Inc. Software License Agreement (the "Software License Agreement").

The Software License Agreement contains additional rights, restrictions, and obligations that apply to your licensed Programs



and Applications.

-----

## Part One: License Offerings

### 1. License Options

#### 1.1. Individual License Option

#### 1.2. Designated Computer License Option

#### 1.3. Network Named User License Option

#### 1.4. Concurrent License Option

#### 1.5. Total Headcount License Option

#### 1.6. Remote Desktop, Shared Desktop, and Web Applications

### 2. License Uses

#### 2.1. Standard

#### 2.2. Educational Institutions

##### 2.2.1. Academic

##### 2.2.2. Classroom

##### 2.2.3. Total Academic Headcount

##### 2.2.4. Total Student Headcount

##### 2.2.5. Primary and Secondary School

#### 2.3. Student

#### 2.4. Home

### 3. Specific Program Use Rights

#### 3.1. MATLAB Distributed Computing Server ("MDCS")

##### 3.1.1. General MDCS Use Rights

##### 3.1.2 MDCS On-Demand Use Rights

#### 3.2. MATLAB Production Server

## Part Two: Deployment Rights

### 1. Deployment Rights for User Files

### 2. Deployment Rights for Derivative Forms

### 3. Deployment Rights for Generated Forms and Applications

#### 3.1. MATLAB Compiler

#### 3.2. Coder Programs

#### 3.3. Simulink Real-Time

#### 3.4. API Code

#### 3.5. MAT-Files

### 4. Application License

Part Three: Transformation Programs

Part Four: Software Maintenance Service

Part Five: Glossary of Terms

-----

## PART ONE: LICENSE OFFERINGS

A License Offering is comprised of:

- (i) a License Option that specifies principally how the License Offering works and is measured or counted;
- (ii) a License Use that specifies who can use the Programs in terms of the types of organizations, individuals, or activities eligible to use the License Offering; and, if applicable,
- (iii) Specific Program Use Rights for MATLAB Distributed Computing Server ("MDCS") and MATLAB Production Server.

Each License Offering is subject to the applicable term of the License: Perpetual, Annual, or other specific term.

The sections below provide the specific details of each License Option, License Use, and the Specific Program Use Rights.

### 1. License Options

#### 1.1. Individual License Option

- (i) The Individual License Option provides for use of Programs by a single Named User.
- (ii) A Named User may install the Programs on up to four (4) different Computers but may not use a Program on more than two (2) Computers simultaneously, except that Student and Home Licenses are limited to a single Computer.
- (iii) The Licensee may redesignate the Named User authorized to use a Program, whether temporarily or not, up to four (4) times in any twelve (12) month period, except that Student and Home Licenses are not transferable.
- (iv) The Computer login of the Named User may not be shared with any other individual.

#### 1.2. Designated Computer License Option

- (i) The Designated Computer License Option provides for use of Programs on a single, physical (not virtual) designated Computer.

(ii) The Programs may be operated by only one Licensed User at any given time.

(iii) The Programs must be operated from the Designated Computer's console, except for remote access as allowed in Section 1.6 below.

(iv) The Licensee may redesignate the Computer, whether temporarily or not, up to four (4) times in any twelve (12) month period.

### 1.3. Network Named User License Option

(i) The Network Named User License Option provides for a specified number of designated Named Users to use the Programs on any Computer that is connected to the same, single License Manager.

(ii) The License Manager must be activated on a single Computer.

(iii) The Programs may be operated by Named Users on Computers served by the same, single License Manager up to the maximum number of Named Users licensed for each Program.

(iv) A Named User may not use a Program on more than two (2) Computers simultaneously.

(v) The Programs may be installed in a central location or on individual Computers to accelerate startup times as long as the use on all Computers is controlled by the same, single License Manager.

(vi) The Licensee may redesignate the Named Users for a Program, whether temporarily or not, up to four (4) times in any twelve (12) month period.

(vii) A Computer login of a Named User may not be shared with any other individual.

(viii) The Network Named User License Option is only available for Standard License Use.

### 1.4. Concurrent License Option<sup>[fn1]</sup>

(i) The Concurrent License Option provides for a specified number of concurrent keys for each Program on the License that may be used simultaneously by Licensed Users on any Computer that is connected to the same, single License Manager.

(ii) Before using a Program on any Computer, the Licensed User must check out a separate concurrent key from the License Manager for that Computer.

(iii) The License Manager must be activated on a single Computer.

(iv) The Programs may be installed in a central location or on individual Computers to accelerate startup times as long as the use on all Computers is controlled by the same, single License Manager.

(v) Licensees are prohibited from providing Program access to users located outside the Country<sup>[fn2]</sup> for which the Program is licensed unless Licensee has contracted for global use.

(vi) For Academic and Classroom License Uses, installation of the Programs on students' own Computers is not permitted.

### 1.5. Total Headcount License Option

(i) The Total Headcount License Option provides for use of the Programs by a certain institution, organization, location, or other identified group of users, in accordance with the Total Academic Headcount, Total Student Headcount, and Primary and Secondary Schools License Uses described in Section 2 below.

### 1.6. Remote Desktop, Shared Desktop, and Web Applications This section applies to all License Options above.

(i) Remote Desktop: A Licensed User may remotely access Programs using the Microsoft(r) Remote Desktop connection feature or similar technologies. For the Designated Computer License Option, only one named Licensed User may remotely access the Programs, such Licensed User not to be redesignated more than four (4) times in any twelve (12) month period.

(ii) Shared Desktop: A Licensed User may share remotely the desktop view of a Program session with another individual for assistive or demonstrative purposes only, using Microsoft(r) Remote Assistance technology, Skype(r) conferencing software, or similar technologies.[fn3]

(iii) Web Applications: Programs licensed under the Individual, Network Named User, Concurrent, and Total Headcount License Options may be called by means of a web interface or web application in accordance with the conditions in this section. Programs licensed under the Designated Computer License Option may not be called by means of a web interface or web application. For Individual and Network Named User License Options, web applications may be accessed only by the Named Users for the licensed Programs. For the Concurrent and Total Headcount License Options, web applications may be provided to an unlimited number of web browser clients, at no additional cost, for Licensee's own use for its Internal Operations, and for use by Third Parties. Web applications must not: provide access to the MATLAB command line or any Transformation Program; provide access to an entire Program or a substantial portion of a Program; or enable evaluation of end-user code or expressions.

## 2. License Uses

### 2.1. Standard

(i) Standard Licenses are available for commercial, government, or other organizational use and are restricted to Internal Operations.

(ii) The Standard License is available under any of the License Options described above except for the Total Headcount License Option.

### 2.2. Educational Institutions

(i) Educational Institution Licenses are available solely to degree-granting educational institutions and primary and secondary schools licensing the Programs for Academic Internal Operations.

(ii) Use rights and associated License Options are determined based on the type of License acquired: Academic, Classroom, Total Academic Headcount, Total Student Headcount, or Primary and Secondary Schools.

(iii) Technical support and installation support are available for faculty and academic staff. Installation support is available for students.

#### 2.2.1. Academic

(i) Program use is restricted to individuals listed in the definition of Academic Internal Operations (see Glossary).

(ii) The Academic License is available under any of the Individual, Designated Computer or Concurrent License Options.

#### 2.2.2. Classroom

(i) Program use is restricted to students, instructors, and software administrators in on-campus facilities that are used solely in support of classroom instruction of students.

(ii) The Classroom License is available under either the Designated Computer or Concurrent License Option.

(iii) Research use is not permitted.

#### 2.2.3. Total Academic Headcount

(i) Program use is restricted to all faculty, researchers, and students on institution-owned or leased Computers as well as personally-owned or leased Computers and solely under the Total Headcount License Option.

#### 2.2.4. Total Student Headcount

(i) Program use is restricted to all students of the institution on student-owned Computers and solely under the Total Headcount License Option.

#### 2.2.5. Primary and Secondary School

(i) Program use is restricted to all faculty, academic staff, and students of the school on teachers' Computers, school-owned Computers or student-owned Computers.

(ii) Primary and Secondary School Licenses are available solely to primary and secondary schools under the Total Headcount License Option.

(iii) Each Primary and Secondary School License is limited to a single physical address.

#### 2.3. Student

(i) Student Licenses may be licensed by students enrolled in degree-granting educational institutions, or primary and secondary schools, or those participating in a continuing education program at a degree-granting educational institution. A Licensee may use the Programs only on a single physical (not virtual) Computer owned or leased by the student.

(ii) A Student License may also be licensed by teachers at primary and secondary schools for course preparation and teaching, and the Student License may be installed on the teacher's own Computer or school-owned Computers.

(iii) A Student License may not be used for activities that are commercial, for profit, professional (except for primary and secondary school teachers using the License for the purpose of teaching at such schools), government, or revenue-generating.

(iv) The Programs may only be accessible to, and used by, the Licensee.

(v) Technical support for Student Licensees is limited to installation support.

(vi) A Student License is not transferable.

(vii) Returns and refunds of Student License purchases are subject to the refund policies at the time and point of purchase.

#### 2.4. Home

(i) A Home License may be licensed by an individual and may be used only for personal use. A Home License may not be used for activities that are commercial, for profit, professional, academic, government, or revenue-generating.

(ii) A Licensee of a Home License may use the Programs only on a single physical (not virtual) Computer owned or leased by the Licensee.

(iii) The Programs may only be accessible to, and used by, the Licensee.

(iv) Technical support for Home Licensees is limited to installation support.

(v) A Home License is not transferable.

(vi) Returns and refunds of Home License purchases are subject to the refund policies at the time and point of purchase.

### 3. Specific Program Use Rights

### 3.1. MATLAB Distributed Computing Server ("MDCS")

#### 3.1.1. General MDCS Use Rights

Licensed Users of MDCS may run simultaneous sessions of certain Programs on one or more Computers through MDCS, subject to the restrictions below:

- (i) For all License Uses except Total Academic Headcount: (1) all Programs being run on each MDCS must be controlled by the same, single License Manager, and (2) the number of simultaneous Program sessions by all Licensed Users may not exceed the number of MDCS workers licensed. (MDCS On-Demand allows you to scale the number of MDCS workers licensed. See Section 3.1.2 below for details.)
- (ii) If you have a Total Academic Headcount License: (1) the Programs may be controlled by separate License Managers, and (2) the number of simultaneous Program sessions by each Licensed User may not exceed the number of MDCS workers licensed.
- (iii) You must have access to a valid license to Parallel Computing Toolbox and any Programs you wish to use with MDCS in order to be able to run sessions of such Programs through MDCS. Access to the MDCS worker must be enabled through a validly licensed use of Parallel Computing Toolbox.
- (iv) Access to MDCS may not be made available to any user outside the country for which MDCS is licensed, unless the Licensee has contracted for global use or is using an Educational Institution License.
- (v) Access to MDCS may not be made available to any Third Party unless expressly allowed by your License Use.

#### 3.1.2 MDCS On-Demand Use Rights

On-demand use of MDCS allows you to pay based on usage. Subject to all other restrictions in Section 3.1.1 above, Licensed Users of MDCS may also scale the number of MDCS workers on the following additional terms: (1) Licensee employs the MathWorks Hosted License Manager ("MHLM") for its license management; and (2) Licensee agrees, on behalf of its Licensed Users, to the terms of use at [mathworks.com/cloudcenterandondemandtermsofuse](https://mathworks.com/cloudcenterandondemandtermsofuse), including the obligation to pay all MDCS on-demand fees incurred by its Licensed Users applicable to their on-demand use, if any, of MDCS workers. Any fees that may be due to any cloud providers for use of their platforms, programs, or services are separate and are the responsibility of the Licensee.

### 3.2. MATLAB Production Server

Licensed Users of MATLAB Production Server (MPS) are permitted to install and use MPS for the sole purpose of scheduling and running Applications generated with Licensee's validly licensed MATLAB Compiler Program, provided that the number of workers running simultaneously on one or more Computers does not exceed the number of MPS workers acquired. Licensee may make the Applications running on MPS accessible to end-users globally, including Third Parties, via a web interface, or other interface provided by Licensee, subject to the restrictions of Part Two, Section 3.1 of this document (Deployment Rights; MATLAB Compiler).

## PART TWO: DEPLOYMENT RIGHTS

The Software License Agreement grants a Licensee and its Licensed Users ("you") the limited rights to install and use Programs in accordance with the License Offering you acquire. The Software License Agreement does not grant you the right to modify or distribute Programs or Program Components or create derivative works. This Part Two sets forth additional limited rights to modify, create derivative works of, and/or distribute certain Program Components as specifically set forth below.

Certain Programs, such as the MATLAB Compiler and the Coder Programs, generate output in the form of Source Code, Object Code, or other files and materials. For example, the MATLAB Compiler can be used to create an executable program,

and MATLAB Coder and other Coder Programs can be used to generate Source Code in C and C++. Under certain circumstances described below, you are permitted to use and distribute the files, models, Applications, and Generated Forms that you create using the Programs.

Some Programs are technically prevented from being compiled, distributed, called from a web application, or used with MDCS.

All rights described below are limited by the restrictions of your License Offering, this Program Offering Guide, and the Software License Agreement.

### 1. Deployment Rights for User Files

You may distribute or sublicense User Files without restriction, provided that a principal purpose of the distribution or sublicense is not to replace or replicate a Program or any part of a Program and you otherwise comply with the general restrictions of the Software License Agreement and your License Offering. "User Files" are MATLAB code files, Simulink model files, MEX-files, MAT-files, VHDL-files, Verilog-files, FIG-files or P-files that you create and that do not include any code obtained from MATLAB code files, Simulink model files, MAT-files, VHDL-files, Verilog-files, TLC-files, P-code, C/C++ files or other Source Code files supplied with the Programs.

### 2. Deployment Rights for Derivative Forms

Your rights to create, use and distribute Derivative Forms are limited to those rights expressly set forth in this Section 2.

You may distribute Derivative Forms to Third Parties only (a) as expressly permitted in Section 3.4 (API Code) below, or (b) if the Third Party is bound by a Software License Agreement with MathWorks that requires such Third Party to treat such Derivative Forms received from you as its own Derivative Form under its Software License Agreement.

If you receive software that is a Derivative Form under a Third Party's Software License Agreement with MathWorks, or would otherwise be a Derivative Form under the terms of your Software License Agreement, then you must treat such software as a Derivative Form as if you modified or generated the software yourself.

### 3. Deployment Rights for Generated Forms and Applications

Your rights to create, use and distribute Generated Forms and Applications are limited to those rights expressly set forth in this Section 3.

No further license or royalty fees shall be due to MathWorks for deployment as expressly permitted in this Section, regardless of whether the deployment is solely for your Internal Operations or to Third Parties.

#### 3.1. MATLAB Compiler

If you license the MATLAB Compiler, you may create and deploy Applications generated by the MATLAB Compiler that meet the requirements of this Section and comply with the restrictions in the Software License Agreement.

These Applications may include compiled versions of MATLAB code files, but only as required for the Application and from Programs that you have licensed. You may also use and distribute the MATLAB Runtime together with these Applications for the sole purpose of running the Applications. However, you are prohibited from making copies of the MATLAB Runtime accessible to any Third Party separate from or for use other than with your Application, and from providing the MATLAB Runtime for service bureau or similar service use.

If you license the Parallel Computing Toolbox (PCT) and generate an Application using any functionality of the PCT, that Application may enable up to the number of workers provided by the PCT used to build the Application. End-users of your Application do not need to have a license to the PCT.

Your exercise of any of the rights granted here is subject to the restrictions in the Software License Agreement, including the following:

- i) You may not distribute any library header files.
- ii) You may not use your Application to enable access to the code generation capabilities of Programs or the capabilities of other Transformation Programs.
- iii) Your Application may not provide capability similar to the capabilities of any of Programs, or provide functionality or behavior similar to that of the MATLAB command line or scripting and programming capabilities. Your Application also may not enable evaluation of end-user code or expressions.
- iv) Your Application may not provide access to all or a substantial portion of a Program.
- v) You must include the notice "MATLAB(r). (c) 1984 - [INSERT YEAR MATLAB VERSION PUBLISHED] The MathWorks, Inc." in your Application's About Box, or similar visible location, and in the applicable documentation distributed with each copy of your Application.
- vi) You may not modify or remove any proprietary notices included with Programs or Program Components.

### 3.2. Coder Programs

This Section discusses the deployment rights MathWorks grants you in conjunction with your license and use of the Coder Programs: 1) MATLAB Coder, 2) Simulink Coder, 3) Embedded Coder, 4) HDL Coder, 5) Filter Design HDL Coder, and 6) Simulink PLC Coder.

The Coder Programs take content that you choose to input. Depending on the Coder Program you use, the input could be a Simulink model, a Stateflow diagram, or MATLAB code. The Coder Program then converts this input to code in C/C++, VHDL/Verilog or PLC structured text. You may copy and deploy these Generated Forms for use outside of the Programs.

In order to enable this output code to work, each of these Coder Programs will link in certain files proprietary to MathWorks, which may include C, C++, Assembly, linker command files, template makefiles, project files, or TLC source code files. You may only copy, modify, and deploy these proprietary MathWorks files in Source Code or Linked Object Code form for different development targets when used with the Coder Programs or with code generated by the Coder Programs as part of, and only as required by, a larger standalone application. A standalone application is an Application created using programming languages and tools other than the Programs, which executes outside of the Programs.

### 3.3. Simulink Real-Time

You may use Simulink Real-Time to develop Applications that include Object Code derived from Program Components of Simulink Real-Time that are required by the Application and that have been compiled or otherwise obtained from Simulink Coder on a single development Computer, download that Application to a target Computer, and distribute that Application beyond the target Computer.

### 3.4. API Code

Programs you license may include selected Source Code and shared Object Code library files that implement various documented application programming interface (API) capabilities.

You may use and modify such Source Code files solely for creation of your own Application. You may copy and distribute Object Code compiled from this Source Code, but only as either a standalone Object Code file or Object Code linked to your Application, and only for use with and deployment of your own Application.

You may use, copy and distribute shared Object Code library files from the Programs for deployment of your own Application, but only if a header file exists in the Program for the shared library file. However, you may not copy or distribute the header files. You may not transfer Source Code, development rights or development capabilities for any Source Code or Object Code from the Programs to any Third Party.

### 3.5. MAT-Files



You may create and distribute Applications that read MAT-files using the MAT-file API, but if you distribute such Applications to third parties, they must also implement MAT-file write capability.

#### 4. Application License

If you are distributing an Application, you must accompany the Application with a written Application License. See the Glossary for Application License requirements. The only exceptions to this requirement are when you are distributing an Application solely for Internal Operations, or within an embedded system not covered by a license agreement.

### PART THREE: TRANSFORMATION PROGRAMS

The Transformation Programs are:

MATLAB Coder

Simulink Coder

Embedded Coder

HDL Coder

GPU Coder

Filter Design HDL Coder

Simulink PLC Coder

MATLAB Compiler

MATLAB Compiler SDK

Simulink Design Verifier

Simulink Code Inspector

MATLAB Report Generator

Simulink Report Generator

Section 3.14 of the Software License Agreement states that you are not permitted to "create a server or automated system for the Transformation Programs without obtaining a license from MathWorks that expressly allows such use."

Without express consent from MathWorks, the Transformation Programs may not be used:

\* in an automated, batched, or unattended process for software development, validation, verification, deployment, or report generation (e.g., server farm, cluster, grid, build system, continuous integration system, regression server, or data center), or

\* by an individual acting as a server or automated system for processing the artifacts of other individuals.

### PART FOUR: SOFTWARE MAINTENANCE SERVICE

MathWorks Software Maintenance Service is required in order to receive the following services:[fn4]

- \* Product updates with new features, enhancements, and bug fixes
- \* Direct technical support by phone, email, and web
- \* Ability to add new Programs[fn5]
- \* Access and storage for online services including MATLAB Mobile, MATLAB Drive, and MATLAB Online
- \* Access to prereleases of Programs that are available for pre-release
- \* Add-ons and Hardware Support Packages via Add-On Explorer
- \* Converting License Option[fn6]
- \* Transferring Programs[fn5,fn6]
- \* Changing country of Licensed Users or changing License to global use[fn6]
- \* Enhanced web access to trial licenses of Programs

You must keep your Software Maintenance Service up to date to receive these services uninterrupted. For Annual and Term licenses, the associated Software Maintenance Service will expire automatically at the end of the term. For Perpetual licenses, the first year of Software Maintenance Service is included with the initial purchase and you must renew annually after that.

Fees for subsequent year Software Maintenance Service renewals are calculated based on the Programs and License Offering. Software Maintenance Service must be purchased for a minimum of one year (12 months) forward.

#### Fees for Lapsed Software Maintenance Service

If your Software Maintenance Service has expired without being renewed, you may reinstate it by paying the fees described below. Reinstating will provide access to all Software Maintenance Service services available at the time of reinstatement, including the latest versions of Programs licensed. Your quote to reinstate lapsed Software Maintenance Service for Programs will include fees for annual renewal, including any applicable back maintenance fees for the lapsed period, and reinstatement fees if applicable. A reinstatement fee is applied to Software Maintenance Service for any Program that has lapsed for more than 3 months beyond the renewal date. These fees are subject to change.

#### PART FIVE: GLOSSARY OF TERMS

"Academic Internal Operations" means the use of the Programs by enrolled students, employees (faculty and academic staff), and other academic staff (including visiting professors and researchers), provided that such other academic staff have been granted institution email accounts and internal network login privileges by the Licensee. Such use must be in accordance with the Educational Institutions License Use acquired, for the purpose of (i) in the case of employees and other academic staff, performing software administration, teaching, and noncommercial, academic research in their ordinary course; and (ii) in the case of enrolled students, meeting classroom requirements of courses and study offered by the Licensee.

Academic Internal Operations also includes the installation and use of the Programs in a data center, high performance computing center, or other academic computing resource controlled by Licensee ("Data Center") by any individual who has been granted access to the Data Center by Licensee for the purpose of performing software administration, teaching, or noncommercial academic research. In the case of Data Center use by an individual who is not an enrolled student, employee, or other academic staff of Licensee, downloading and use of any Programs on the individual's Computer or any other Computer not controlled by Licensee is expressly prohibited.

"Application" means binary executable software that runs independently of the Programs, consisting of one or more software

files that Licensee has created by either (a) using a Program to compile or translate Licensee created Source Code or (b) incorporating or linking any part of any compiled Source Code, library file, or other Program Component provided with the Program. An Application must contain original code developed by Licensee and must provide substantial functionality not contained in, or provided by, the Program Components that are incorporated into such Application. If a software file created by a Licensee incorporates Program Components, but does not meet the requirements of the previous two sentences, then it is a Derivative Form (as defined below). An Application may contain Linked Object Code which, if such Object Code was not Linked to the Application and was a standalone file, would otherwise have been deemed a Derivative Form.

"Application License" means a license for an Application that contains terms and conditions that (a) are at least as restrictive as the terms and conditions of the Software License Agreement (b) explicitly exclude MathWorks and its Licensors from all liability for damages or remedies; (c) do not provide a warranty for any Program; (d) do not transfer or convey any use or deployment rights for any Program without MathWorks consent; and (e) prohibit the removal of any copyright, trademark, logo, proprietary rights, disclaimer or warning notice included on or embedded in any part of the deployed Application. Further, if Licensee's Application is generated with the MATLAB Compiler, then Licensee's Application License shall include or incorporate by reference the terms of the MATLAB Runtime License included in a text file at [MCR Install Directory]\[version\_number]\MCR\_license.txt located within the installation for the MATLAB Runtime.

"Coder Programs" means Simulink Coder, MATLAB Coder, Embedded Coder, HDL Coder, Filter Design HDL Coder, Simulink PLC Coder, and GPU Coder.

"Derivative Form" means a software file that Licensee has derived from one or more Program Components (including without limitation by incorporating, translating, or modifying, in whole or in part, any Program Component), and which, if modified or copied without MathWorks' authorization, would constitute a copyright infringement or breach of the Agreement. A software file created by Licensee which qualifies as an "Application" under the above definition shall not be deemed a Derivative Form.

"Generated Form" means the output of the Transformation Programs in the form of Source Code or Object Code, as well as such Source Code converted to Object Code or Linked forms.

"Internal Operations" means the use of a Program by employees, consultants, student interns, and software administration contractors of Licensee or an Affiliate on behalf of the Licensee or Affiliate.

"Linked" means an executable or loadable file created by a compiler or linker program combining Object Code module files.

"MATLAB Runtime" means MATLAB Runtime support libraries and other files for deployment of Applications created with the MATLAB Compiler. MATLAB Runtime is a Program Component of the MATLAB Compiler.

"Named User" means a Licensed User, that must be an individual, designated and identified by the Licensee as the "Named User" for a License to a Program, and in respect to the Network Named User License Option, listed in the Local License Options File.

"Object Code" means the code created by a system compiler from source code; also called "machine-readable code." Object Code can be Linked with an appropriate linker to resolve address references and may be combined with other Object Code for targeted execution on a specific processor. Object Code includes "Object Code libraries" and "shared libraries," which are groupings of Object Code for specific purposes.

"Program" means the software licensed under the Software License Agreement, including Program Components, Documentation, enhancements, and error corrections. Each product licensed is a separate Program.

"Program Component" means any portion of, or file provided with, a Program.

"Source Code" means human-readable program code written in a higher-level language such as C, C++, Java, MATLAB, MDL, SLX, VHDL, Verilog, or Fortran, which must be translated or compiled into machine-readable code before it can be executed by a computer. Source Code also includes header files and other human-readable files necessary for a Program to be compiled in the higher-level language.

"Transformation Programs" are the Programs listed in Part Three.

FOOTNOTES

[fn1] Details for MDCS and MATLAB Production Server vary. See Section 3 below.

[fn2] Solely in respect to a Concurrent License Option licensed for a Standard License Use, "Country" means in respect to member countries of the North American Free Trade Agreement ("NAFTA"), all such countries collectively; and in respect to Iceland, Norway, Switzerland, and member countries of the European Union ("EU"), all such countries collectively.

[fn3] Microsoft and Skype are registered trademarks of Microsoft Corporation.

[fn4] Services may vary depending on License Offering.

[fn5] Program dependency rules apply.

[fn6] Additional fees may apply.

09/2017

matplotlib version 2.0.0  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

License agreement for matplotlib versions 1.3.0 and later  
=====

1. This LICENSE AGREEMENT is between the Matplotlib Development Team ("MDT"), and the Individual or Organization ("Licensee") accessing and otherwise using matplotlib software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, MDT hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use matplotlib alone or in any derivative version, provided, however, that MDT's License Agreement and MDT's notice of copyright, i.e., "Copyright (c) 2012- Matplotlib Development Team; All Rights Reserved" are retained in matplotlib alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or

incorporates matplotlib or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to matplotlib .

4. MDT is making matplotlib available to Licensee on an "AS IS" basis. MDT MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, MDT MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF MATPLOTLIB WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. MDT SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF MATPLOTLIB FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING MATPLOTLIB , OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between MDT and Licensee. This License Agreement does not grant permission to use MDT trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using matplotlib , Licensee agrees to be bound by the terms and conditions of this License Agreement.

#### Copyright Policy

John Hunter began matplotlib around 2003. Since shortly before his passing in 2012, Michael Droettboom has been the lead maintainer of matplotlib, but, as has always been the case, matplotlib is the work of many.

Prior to July of 2013, and the 1.3.0 release, the copyright of the source code was held by John Hunter. As of July 2013, and the 1.3.0 release, matplotlib has moved to a shared copyright model.

matplotlib uses a shared copyright model. Each contributor maintains copyright over their contributions to matplotlib. But, it is important to note that these contributions are typically only changes to the repositories. Thus, the matplotlib source code, in its entirety, is not the copyright of any single person or institution. Instead, it is the collective copyright of the entire matplotlib Development Team. If individual contributors want to maintain a record of what changes/contributions they have specific copyright on, they should indicate their copyright in the commit message of the change, when they commit the change to one of the matplotlib repositories.

The Matplotlib Development Team is the set of all contributors to the matplotlib project. A full list can be obtained from the git version control logs.

>>>>> fonts

-----  
STIX Font License

24 May 2010

Copyright (c) 2001-2010 by the STI Pub Companies, consisting of the American

Institute of Physics, the American Chemical Society, the American Mathematical Society, the American Physical Society, Elsevier, Inc., and The Institute of Electrical and Electronic Engineers, Inc. ([www.stixfonts.org](http://www.stixfonts.org)), with Reserved Font Name STIX Fonts, STIX Fonts (TM) is a trademark of The Institute of Electrical and Electronics Engineers, Inc.

Portions copyright (c) 1998-2003 by MicroPress, Inc. ([www.micropress-inc.com](http://www.micropress-inc.com)), with Reserved Font Name TM Math. To obtain additional mathematical fonts, please contact MicroPress, Inc., 68-30 Harrow Street, Forest Hills, NY 11375, USA, Phone: (718) 575-1816.

Portions copyright (c) 1990 by Elsevier, Inc.

This Font Software is licensed under the SIL Open Font License, Version 1.1. This license is copied below, and is also available with a FAQ at: <http://scripts.sil.org/OFL>

-----  
SIL OPEN FONT LICENSE Version 1.1 - 26 February 2007  
-----

#### PREAMBLE

The goals of the Open Font License (OFL) are to stimulate worldwide development of collaborative font projects, to support the font creation efforts of academic and linguistic communities, and to provide a free and open framework in which fonts may be shared and improved in partnership with others.

The OFL allows the licensed fonts to be used, studied, modified and redistributed freely as long as they are not sold by themselves. The fonts, including any derivative works, can be bundled, embedded, redistributed and/or sold with any software provided that any reserved names are not used by derivative works. The fonts and derivatives, however, cannot be released under any other type of license. The requirement for fonts to remain under this license does not apply to any document created using the fonts or their derivatives.

#### DEFINITIONS

"Font Software" refers to the set of files released by the Copyright Holder(s) under this license and clearly marked as such. This may include source files, build scripts and documentation.

"Reserved Font Name" refers to any names specified as such after the copyright statement(s).

"Original Version" refers to the collection of Font Software components as distributed by the Copyright Holder(s).

"Modified Version" refers to any derivative made by adding to, deleting, or substituting -- in part or in whole -- any of the components of the Original Version, by changing formats or by porting the Font Software to a new environment.

"Author" refers to any designer, engineer, programmer, technical writer or other person who contributed to the Font Software.

## PERMISSION & CONDITIONS

Permission is hereby granted, free of charge, to any person obtaining a copy of the Font Software, to use, study, copy, merge, embed, modify, redistribute, and sell modified and unmodified copies of the Font Software, subject to the following conditions:

- 1) Neither the Font Software nor any of its individual components, in Original or Modified Versions, may be sold by itself.
- 2) Original or Modified Versions of the Font Software may be bundled, redistributed and/or sold with any software, provided that each copy contains the above copyright notice and this license. These can be included either as stand-alone text files, human-readable headers or in the appropriate machine-readable metadata fields within text or binary files as long as those fields can be easily viewed by the user.
- 3) No Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit written permission is granted by the corresponding Copyright Holder. This restriction only applies to the primary font name as presented to the users.
- 4) The name(s) of the Copyright Holder(s) or the Author(s) of the Font Software shall not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written permission.
- 5) The Font Software, modified or unmodified, in part or in whole, must be distributed entirely under this license, and must not be distributed under any other license. The requirement for fonts to remain under this license does not apply to any document created using the Font Software.

## TERMINATION

This license becomes null and void if any of the above conditions are not met.

Copyright B -

Copyright 2005, 2015 jQuery Foundation Inc. jquery.org license function

Copyright 2012-2013 Continuum Analytics Inc. <https://www.continuum.io>

Copyright 2009 Pierre Raybaut

Copyright 2001-2010 the STI Pub Companies consisting of the American Institute of Physics the American Chemical Society the American Mathematical Society the American Physical Society Elsevier Inc. and The Institute of

Copyright 2005-2006 IBM Corp

Copyright 1998-2003 MicroPress Inc

Copyright 1997, 2009 American Mathematical Society

Copyright 2001-2004 Fredrik Lundh

Copyright work by John Hunter ([jdhunter@ace.bsd.uchicago.edu](mailto:jdhunter@ace.bsd.uchicago.edu))

Copyright 2006 Tavmjong Bah

Copyright 2001-2004 Fernando Perez. [<Fernando.Perez@colorado.edu>](mailto:Fernando.Perez@colorado.edu)

Copyright 2005, 2015 jQuery Foundation Inc. jquery.org license

Copyright 1990 Elsevier Inc

Copyright 1985, 1987-1993, 1997 Adobe Systems Inc

Copyright 2004-2005 John Hunter





```

*****
** Copyright (C) 1990, RSA Data Security, Inc. All rights reserved. **
**
** License to copy and use this software is granted provided that **
** it is identified as the "RSA Data Security, Inc. MD5 Message **
** Digest Algorithm" in all material mentioning or referencing this **
** software or this function. **
**
** License is also granted to make and use derivative works **
** provided that such works are identified as "derived from the RSA **
** Data Security, Inc. MD5 Message Digest Algorithm" in all **
** material mentioning or referencing the derived work. **
**
** RSA Data Security, Inc. makes no representations concerning **
** either the merchantability of this software or the suitability **
** of this software for any particular purpose. It is provided "as **
** is" without express or implied warranty of any kind. **
**
** These notices must be retained in any copies of any part of this **
** documentation and/or software. **
*****
*/

```

micron simulation models version 1.72

<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>

Micron Technology, Inc. Simulation Model License Agreement

PLEASE READ THIS SIMULATION MODEL LICENSE AGREEMENT ("AGREEMENT") FROM MICRON TECHNOLOGY, INC. ("MTI") CAREFULLY BEFORE INSTALLING OR USING THIS SIMULATION MODEL (THE "MODEL"). BY INSTALLING OR USING THE MODEL, YOU ARE ACCEPTING AND AGREEING TO THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE WITH THE TERMS AND CONDITIONS OF THIS AGREEMENT, THEN DO NOT INSTALL OR USE THE MODEL.

**SOFTWARE LICENSE:** You acknowledge and agree that it is your sole responsibility to obtain the appropriate license or permission from the owner(s) of the software platform(s) that are necessary for you to operate the Model. MTI is under no obligation whatsoever to offer, provide or secure such license or permission for you.

**MODEL LICENSE:** MTI hereby grants to you the right to install, use and modify the Model solely for testing the Model and designing your product(s) in connection with the Model. You shall not use the Model or any modifications for any other purpose, and shall not copy, rent, or lease the Model or the modifications to any third party. MTI may make changes to the Model at any time without notice to you. MTI is under no obligation whatsoever to update, maintain, or provide new versions or other support for the Model.

**OWNERSHIP OF MATERIALS:** You acknowledge and agree that the Model is proprietary property of MTI and is protected by United States copyright law and international treaty provisions. The Model may not be copied, reproduced, published,







Copyright (C) 2005 Oliver Stieber  
Copyright (C) 2000 Peter Hunnisett  
Copyright 2010 Matteo Bruni for CodeWeavers  
Copyright (C) 2001 Ove Kaaven  
Copyright 2007,2010 Vijay Kiran Kamuju  
Copyright 2007 David ADAM  
Copyright 2010 Christian Costa  
Copyright (C) 2007 David Adam  
Copyright (C) the Wine project  
Copyright (C) 2003-2004 Rok Mandeljc  
Copyright (C) 2002 Alexandre Julliard  
Copyright (C) 2007 Shane King  
Copyright (C) 2003 Robert Reif  
Copyright (C) 2008 Maarten Lankhorst  
Copyright (C) 2004 Vincent BÃ©ron  
Copyright (C) 2004 Francois Gouget  
Copyright (C) 2008 Google  
Copyright (c) 2009 Andrew Nguyen  
Copyright (C) 2001 Ove Kaaven

The text of the GNU Lesser General Public License, Version 2.1 (or at your option a later version), a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

Certain files:

Copyright (c) 1992, 1993 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Certain files:

Copyright (c) 2009, 2010, 2013 by the mingw-w64 project

This Software is provided under the Zope Public License (ZPL) Version 2.1.  
Copyright (C) 2011 Piotr Caban for CodeWeavers See the AUTHORS file for the list of contributors to the mingw-w64 project. This license has been certified as open source. It has also been designated as GPL compatible by the Free Software

Foundation (FSF). Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer. 2.

Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders. 4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders. 5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

Disclaimer THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Certain files:

Copyright (C) 1995-2013 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Certain files:

Copyright (c) 1994 Hewlett-Packard Company Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Certain files:

Copyright (C) 1989-2016 Free Software Foundation, Inc.

The text of the GNU General Public License, Version 3 (or at your option a later version), a copy of which is made available below in Part Four of this document, was originally presented here, and as applicable applies to the above-listed file(s).

Under Section 7 of GPL version 3,

you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation. You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively.

Certain files:

Copyright (c) 1996-1998 Silicon Graphics Computer Systems, Inc. Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Certain files:

Copyright (C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL. Permission to use, copy, modify, sell, and distribute this software is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation. None of the above authors, nor IBM Haifa Research Laboratories, make any representation about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

\* Copyright (C) 2004 Robert Reif

\*

\* This library is free software; you can redistribute it and/or  
\* modify it under the terms of the GNU Lesser General Public  
\* License as published by the Free Software Foundation; either  
\* version 2.1 of the License, or (at your option) any later version.

\*

\* This library is distributed in the hope that it will be useful,  
\* but WITHOUT ANY WARRANTY; without even the implied warranty of  
\* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
\* Lesser General Public License for more details.

\*

\* You should have received a copy of the GNU Lesser General Public  
\* License along with this library; if not, write to the Free Software  
\* Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

\*/

Copyright 1991, 1999 Free Software Foundation Inc

Copyright 2003-2004 Robert Reif





Copyright (C) 2010, 2011 Free Software Foundation, Inc.

Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

This file is part of the libquadmath library.

Libquadmath is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

Libquadmath is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with libquadmath; see the file COPYING.LIB. If not, write to the Free Software Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA.

#### COPYRIGHT TEXT:

Copyright (C) 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

This file is part of the GNU ISO C++ Library. This library is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

Copyright (C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.

Permission to use, copy, modify, sell, and distribute this software is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation. None of the above authors, nor IBM Haifa Research Laboratories, make any representation about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

#### COPYRIGHT TEXT:

Copyright (C) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc.

This file is part of the GNU ISO C++ Library. This library is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of

MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <http://www.gnu.org/licenses/>.

Copyright (c) 1994  
Hewlett-Packard Company

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Copyright (c) 1996,1997  
Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

#### COPYRIGHT TEXT:

Copyright 2008 James Hawkins

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

#### COPYRIGHT TEXT:

Copyright 2007 Marcel Partap

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public  
License along with this library; if not, write to the Free Software  
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

**COPYRIGHT TEXT:**

Copyright (C) 2004 Francois Gouget

This library is free software; you can redistribute it and/or  
modify it under the terms of the GNU Lesser General Public  
License as published by the Free Software Foundation; either  
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public  
License along with this library; if not, write to the Free Software  
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

**COPYRIGHT TEXT:**

Copyright (C) 1993, 1994, 1995, 2009, 2010 Free Software Foundation, Inc.

This file is part of GCC.

GCC is free software; you can redistribute it and/or modify it  
under the terms of the GNU General Public License as published by the  
Free Software Foundation; either version 3, or (at your option) any  
later version.

GCC is distributed in the hope that it will be useful, but WITHOUT  
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or  
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public  
License for more details.

Under Section 7 of GPL version 3, you are granted additional  
permissions described in the GCC Runtime Library Exception, version  
3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and  
a copy of the GCC Runtime Library Exception along with this program;  
see the files COPYING3 and COPYING.RUNTIME respectively. If not, see  
<<http://www.gnu.org/licenses/>>.

**COPYRIGHT TEXT:**

Copyright (C) 1998, 1999, 2000, 2002, 2003, 2004, 2005, 2008, 2009 Free Software Foundation, Inc.

Contributed by Mumit Khan <[khan@xraylith.wisc.edu](mailto:khan@xraylith.wisc.edu)>.

This file is part of GCC.

GCC is free software; you can redistribute it and/or modify it under  
the terms of the GNU General Public License as published by the Free  
Software Foundation; either version 3, or (at your option) any later  
version.

GCC is distributed in the hope that it will be useful, but WITHOUT ANY  
WARRANTY; without even the implied warranty of MERCHANTABILITY or

FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

#### COPYRIGHT TEXT:

Copyright (C) 2000, 2002, 2003, 2004, 2006, 2007, 2009, 2010, 2011 Free Software Foundation, Inc.

This file is part of GCC.

GCC is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

GCC is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <<http://www.gnu.org/licenses/>>.

Written by Nathan Sidwell, Codesourcery LLC, <[nathan@codesourcery.com](mailto:nathan@codesourcery.com)>

#### COPYRIGHT TEXT:

Copyright (C) 1997, 1999, 2000, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 Free Software Foundation, Inc. Contributed by Nicola Pero <[nicola.pero@meta-innovation.com](mailto:nicola.pero@meta-innovation.com)>

This file is part of GCC.

GCC is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

GCC is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see



With exception of certain parts that are prominently marked as being in the Public Domain, BSD, or LGPL this Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009, 2010 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders.
5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

#### Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 1987-2009 Free Software Foundation Inc

Copyright 2000-2002 Free Software Foundation Inc. &

Copyright 1996-1997 Andrey A. Chernov Moscow Russia

Copyright 1993 C.W. Sandmann

Copyright (c) 2007 Free Software Foundation Inc. .PP Everyone is permitted to copy and distribute verbatim copies of this

Copyright 1981-2000 The Regents of the University of California

Copyright 1994-2009 Red Hat Inc

Copyright (C) 2007 Free Software Foundation Inc. License GPLv3

Copyright (C) 1999 2000 2002 2003 2004 2005 2008 2009 Free Software Foundation Inc. Contributed by Mumit Khan <khan@xraylith.wisc.edu>.

Copyright 1998-1999 Greg Colvin and Beman Dawes  
Copyright 2001 Hans-Peter Nilsson  
Copyright (C) 2004 2005 2009 Free Software Foundation Inc. Contributed by Apple Inc.  
Copyright (C) 1993 2000 2001 2002 2003 2007 Free Software Foundation Inc. Contributed by Brendan Kehoe  
(brendan@cygnus.com) based on  
Copyright 1988, 1991-2009 Free Software Foundation Inc. .PP  
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 2009-2010 the mingw-  
Copyright 1983 Regents of the University of California  
Copyright 2009 ARM Ltd  
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>  
Copyright 1999-2009 Free Software Foundation Inc. Contributed by the Arenaire and Cacao projects INRIA  
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine  
Copyright 1993 Intel Corp  
Copyright 1992-1995, 1997-1998, 2000-2007, 2009 Free Software Foundation Inc. Contributed by Cygnus Support. Written  
by Julia Menapace Jim Kingdon  
Copyright 1985 MIPS Computer Systems Inc  
Copyright 2000, 2003 Free Software Foundation Inc. GDB is free software covered by the GNU General Public License and  
Copyright 1984, 2000 S.L. Moshier  
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL  
Copyright 1999 Citrus Project  
Copyright (C) 1998 Free Software Foundation Inc. Contributed by Cygnus Solutions.  
Copyright 2001-2003 Peter Dimov and Multi Media Ltd  
Copyright 2001-2003 Peter Dimov  
Copyright 1992 Eric Backus  
Copyright 1996-1997 Silicon Graphics  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright 2001 Christopher G. Demetriou  
Copyright 1993 Sun Microsystems Inc  
Copyright 2005-2006 IBM Corp  
Copyright 2000 Jeremy Siek  
Copyright 1997-2002 FreeBSD Project  
Copyright 1991-1992 ARRAY TECHNOLOGY Corp  
Copyright 1998 Cygnus Solutions  
Copyright 2002 SuperH Inc  
Copyright 1994-2009 Free Software Foundation  
Copyright 2002 Free Software Foundation Inc. GDB is free software ...  
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
Copyright 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright 1992-1994 Henry Spencer  
Copyright 1990-1994, 1996, 1998-2006, 2008-2009 Free Software Foundation Inc. Contributed by Cygnus Solutions. Written  
by John  
Copyright 2001 Mike Barcroft <mike@FreeBSD.org>  
Copyright 2003 Artem B. Bityuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers  
Copyright 1996 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright 1998 M. Warner Losh <imp@freebsd.org>  
Copyright 2004, 2009 Xilinx Inc  
Copyright 1998-2001 Lucent Technologies  
Copyright 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 Free Software  
Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support.  
Copyright 1991, 1993 DJ Delorie  
Copyright 2002 2007 Free Software Foundation Inc. echo This program is free software you may redistribute it under the  
echo terms of the GNU General Public License. This program has  
Copyright 1986, 1994 Hewlett-Packard Co  
Copyright 1991 AT&T







GetHandleInformationGetLastErrorWGetProcessAffinityMaskcGetProcessTimesGetSystemTimeAdjustmentGetSystemTime  
AsFileTimeGetThreadContextGetThreadPriorityGetThreadTimesGetTickCountInitializeCriticalSectionKLeaveCriticalSection  
nOpenProce

Copyright (C) 2005-2014 Free Software Foundation Inc. Contributed by Richard Henderson <rth@redhat.com>.

Copyright 2010 CodeSourcery Inc

Copyright 1996-1997 Andrey A. Chernov Moscow Russia

Copyright 1988-2014 Free Software Foundation Inc

Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands

Copyright 1993 C.W. Sandmann

Copyright 2001-2006 Expat maintainers

Copyright 1981-2000 The Regents of the University of California

Copyright 1990, 2008 Oracle

Copyright 1995-1996 The President and Fellows of Harvard University

Copyright 1997-2002 Makoto Matsumoto and Takuji Nishimura -- --

Copyright 1994-2009 Red Hat Inc

Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June

Copyright 2004-2005 David M. Gay

Copyright 2004-2008 KJK Hyperion

Copyright 1996-2010 Julian R Seward

Copyright 2001 Hans-Peter Nilsson

Copyright (C) 1996-2014 Free Software Foundation Inc. Contributed by Galen C. Hunt (gchunt@cs.rochester.edu)

Copyright 1984-1998 Stephen L. Moshier

Copyright 1998-2002 Red Hat Inc. License GNU GPLv2

Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory

Copyright 2009-2010 the mingw-

Copyright 1983 Regents of the University of California

Copyright 2009 ARM Ltd

Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>

Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine

Copyright 1993 Intel Corp

Copyright (C) 1993-2014 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support.

Copyright 1985 MIPS Computer Systems Inc

Copyright 1996-2010 Texas Instruments Inc

Copyright 1984, 2000 S.L. Moshier

Copyright 1999 Citrus Project

Copyright 2000 The NetBSD Foundation Inc

Copyright (C) 2014 Free Software Foundation Inc. gdbserver is free software covered by the GNU General Public License.

This gdbserver was configured as

Copyright 2001-2010 Python Software Foundation

Copyright 1995-2013 Jean-loup Gailly and Mark Adler

Copyright 1992 Eric Backus

Copyright 1989-1990 Advanced Micro Devices Inc

Copyright 1991-1994 Florida State University -- --

Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper

Copyright 2000-2001 Tix Project Group

Copyright (C) 1995-2014 Free Software Foundation Inc. Contributed by Pieter J. Schoenmakers <tiggr@es.ele.tue.nl>

Copyright (C) 2004-2014 Free Software Foundation Inc. Contributed by Apple Inc.

Copyright 2002 Ove Kaaven

Copyright 2001 Christopher G. Demetriou

Copyright 1993 Sun Microsystems Inc

Copyright 2005-2006 IBM Corp

Copyright 1997-2002 FreeBSD Project

Copyright 1995-2001 Corp for National Research Initiatives

Copyright 1993-1999 Ioi Kim Lam

Copyright 1991-1992 ARRAY TECHNOLOGY Corp



## Licensing Terms

### View Revisions

Each of the various packages, which is distributed by MinGW.org, is governed by its own individual copyright and licensing terms. In summary, for the most commonly deployed packages:

**MinGW Runtime:** All releases of the MinGW base runtime package, prior to release 4.0, have been placed in the public domain, and are not governed by copyright. This basically means that you can do what you like with the code. Due to inadmissibility of the public domain concept, in certain jurisdictions, we have now chosen to adopt a MIT style license for the principal components of the MinGW runtime, from release 4.0 onwards; you may view this LICENSE, as it is filed in the source code repository. Note that this new license does not carry forward to needing to distribution of said license when you use the MinGW Runtime to build your source. It only covers the distribution of the library, in source or binary form or any part thereof such as mingwm10.dll.

**w32api:** In the case of releases prior to 4.0: you are free to use, modify and copy this package. No restrictions are imposed on programs or object files linked with this library. You may not restrict the the usage of this library. You may distribute this library as part of another package or as a modified package if, and only if, you do not restrict the usage of the portions consisting of this (optionally modified) library. If distributed as a modified package, then a copy of this notice must be included.

This library is distributed in the hope that it will be useful, but **WITHOUT WARRANTY OF ANY KIND**; without even the implied warranties of **MERCHANTABILITY** or of **FITNESS FOR A PARTICULAR PURPOSE**.

Due to inadmissibility of the public domain concept, in certain jurisdictions, we have now chosen to adopt a MIT style license for the principal components of the w32api, from release 4.0 onwards; you may view this LICENSE, as it is filed in the source code repository. Note that this new license does not carry forward to needing to distribution of said license when you use the w32api to build your source. It only covers the distribution of the library, in source or binary form or any part thereof such as mingwm10.dll.

**WSL:** We have combined the MinGW runtime package and the w32api package into one, which we have dubbed WSL, (an acronym for Windows System Libraries). We have applied a MIT style license to the sources, (where this does not conflict with any existing licenses applying to specific sub-components). You may view this LICENSE, as it is filed in the source code repository. Note that this new license does not carry forward to needing to distribution of said license when you use the WSL to build your source. It only covers the distribution of the library, in source or binary form or any part thereof such as mingwm10.dll.

**MinGW Profiling Code:** MinGW profiling code is distributed under the terms of the GNU General Public License, Version 2.  
**Binutils, GCC, GDB, GNU Make:** All of the GNU development tools, such as GNU binutils, GCC, GDB and GNU Make, are governed by the terms of the GNU General Public License; (note that this may be GPLv2 or GPLv3, depending on the preferences of the upstream maintainers, and the specific version of each package which you choose to install; in most cases, the most recent versions are likely to be GPLv3, while older versions may be GPLv2).

Copyright 1996-1997 Silicon Graphics

Copyright 1988-1989, 1991-2005 Free Software Foundation Inc. .PP

Copyright (C) 1999-2001 Brian Paul All Rights Reserved.

Copyright 1993 Digital Equipment Corp

Copyright (c) 1998 Christian Wurll All rights reserved.

Copyright (C) 2003 2004 Free Software Foundation Inc. Written by Carlo Wood <carlo@alinoe.com>

Copyright 1991-2000 Silicon Graphics Inc

Copyright (c) 1998 Bernd Johannes Wuebben

Copyright 2000 Jeremy Siek

Copyright 1998 1999 2000 2001 2002 Red Hat Inc.

Copyright (C) 1998 Anders Norlander This program has **ABSOLUTELY NO WARRANTY** This is free software and you are welcome to redistribute it under certain conditions see **COPYING**

Copyright 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support.

Copyright (C) 1999 2000 2002 2003 2004 Free Software Foundation Inc. Contributed by Mumit Khan





Multi volume ZipFile (span) are not supported.  
Encryption compatible with pkzip 2.04g only supported  
Old compressions used by old PKZip 1.x are not supported

I WAIT FEEDBACK at mail info@winimage.com  
Visit also <http://www.winimage.com/zLibDll/unzip.htm> for evolution

Condition of use and distribution are the same than zlib :

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

\*\*\*\*\*

COPYRIGHT TEXT:

```
/*
Additional tools for Minizip
Code: Xavier Roche '2004
License: Same as ZLIB (www.gzip.org)
```

```
mlpart version UMPack-42-070413
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>
```

```
/*
***
*** Copyright (c) 1995-2000 Regents of the University of California,
*** Andrew E. Caldwell, Andrew B. Kahng and Igor L. Markov
*** Copyright (c) 2000-2007 Regents of the University of Michigan,
*** Saurabh N. Adya, Jarrod A. Roy, David A. Papa and
*** Igor L. Markov
***
*** Contact author(s): abk@cs.ucsd.edu, imarkov@umich.edu
*** Original Affiliation: UCLA, Computer Science Department,
*** Los Angeles, CA 90095-1596 USA
***
*** Permission is hereby granted, free of charge, to any person obtaining
*** a copy of this software and associated documentation files (the
*** "Software"), to deal in the Software without restriction, including
*** without limitation
*** the rights to use, copy, modify, merge, publish, distribute, sublicense,
```

\*\*\* and/or sell copies of the Software, and to permit persons to whom the  
\*\*\* Software is furnished to do so, subject to the following conditions:  
\*\*\*  
\*\*\* The above copyright notice and this permission notice shall be included  
\*\*\* in all copies or substantial portions of the Software.  
\*\*\*  
\*\*\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
\*\*\* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES  
\*\*\* OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.  
\*\*\* IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY  
\*\*\* CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT  
\*\*\* OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR  
\*\*\* THE USE OR OTHER DEALINGS IN THE SOFTWARE.  
\*\*\*  
\*\*\*  
\*\*\*\*\*/

COPYRIGHT TEXT:

/\* A Bison parser, made by GNU Bison 2.0. \*/  
/\* Skeleton parser for Yacc-like parsing with Bison,  
Copyright (C) 1984, 1989, 1990, 2000, 2001, 2002, 2003, 2004 Free Software Foundation, Inc.  
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2, or (at your option)  
any later version.  
This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.  
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 59 Temple Place - Suite 330,  
Boston, MA 02111-1307, USA. \*/  
/\* As a special exception, when this file is copied by Bison into a  
Bison output file, you may use that output file without restriction.  
This special exception was added by the Free Software Foundation  
in version 1.24 of Bison. \*/

COPYRIGHT TEXT:

The following software is derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm. Accordingly, the following copyright notice is reproduced, and applies to such parts of this file which are copied from RSA's source code. All other parts of the file are copyright 1998 ABKGroup and the Regents of the University of California.  
\*/  
/\* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.  
License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.  
License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.



RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind. These notices must be retained in any copies of any part of this documentation and/or software.

\*/

COPYRIGHT TEXT:

\* Ken Clarkson. Copyright (c) 1996 by AT&T.

\* Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

\* THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHORS NOR AT&T MAKE ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

\*/

COPYRIGHT TEXT:

/\*

\* Copyright (c) 1996

\* Silicon Graphics Computer Systems, Inc.

\*

\* Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

\*

\* Copyright (c) 1997

\* Silicon Graphics Computer Systems, Inc.

\*

\* Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

\*

\*

\* Copyright (c) 1994

\* Hewlett-Packard Company

\*

\* Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

\*  
 \* Copyright (c) 1997  
 \* Moscow Center for SPARC Technology  
 \*  
 \* Permission to use, copy, modify, distribute and sell this software  
 \* and its documentation for any purpose is hereby granted without fee,  
 \* provided that the above copyright notice appear in all copies and  
 \* that both that copyright notice and this permission notice appear  
 \* in supporting documentation. Moscow Center for SPARC Technology makes no  
 \* representations about the suitability of this software for any  
 \* purpose. It is provided "as is" without express or implied warranty.

\*/

\*  
 \* Adaptation:  
 \* Copyright (c) 1997  
 \* Moscow Center for SPARC Technology  
 \*  
 \* Permission to use, copy, modify, distribute and sell this software  
 \* and its documentation for any purpose is hereby granted without fee,  
 \* provided that the above copyright notice appear in all copies and  
 \* that both that copyright notice and this permission notice appear  
 \* in supporting documentation. Moscow Center for SPARC Technology makes no  
 \* representations about the suitability of this software for any  
 \* purpose. It is provided "as is" without express or implied warranty.

\*/

mman-win32 version 14

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

Copyright <YEAR - unknown> <COPYRIGHT HOLDER - unknown>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.







Copyright 2002-2006 Judd Vinet <jvinet@zeroflux.org>  
Copyright 2004 Ami Tavory and Vladimir Dreizin IBM-HRL  
Copyright 2001-2003 Peter Dimov and Multi Media Ltd  
Copyright 2001-2003 Peter Dimov  
Copyright 2007 Aaron Griffin <aaronmgriffin@gmail.com>  
Copyright 2003-2004, 2010, 2013-2016 - An error code library  
Copyright 2008 locci  
Copyright (C) 2004-2016 Free Software Foundation Inc. Contributed by Apple Inc.  
Copyright 2005-2006 Miklos Vajna <vmiklos@frugalware.org>  
Copyright 1996-1997 Silicon Graphics  
Copyright 2014-2016 Free Software Foundation Inc. Copying and distribution of  
Copyright 2000 Jeremy Siek  
Copyright (C) 2010 2011 Free Software Foundation Inc. Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (C) 1993-2016 Free Software Foundation Inc. Written by Steve Chamberlain and Ian Lance Taylor Cygnus Support.  
Copyright 1995-2013 Free Software Foundation Inc. License GPLv3  
Copyright 2005 Christian Hamar <krics@linuxforum.hu>  
Copyright 1996-1999 Silicon Graphics Computer Systems Inc  
Copyright (C) 2003-2007 Free Software Foundation Inc. License GPLv2  
Copyright (c) 2013 Alexey Pavlov <alexpux@gmail.com>  
Copyright (C) 2002-2006 Judd Vinet  
Copyright (C) 2012-2016 the Free Software Foundation Inc.  
Copyright (c) Christos Zoulas 2003  
Copyright 2011 Piotr Caban for CodeWeavers  
Copyright (C) 2000-2016 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>.  
Copyright (C) 2009-2016 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>.  
Copyright (C) 2010 2011 Free Software Foundation Inc. Written by Tobias Burnus <burnus@net-b.de>  
Copyright 2009-2010, 2013 the mingw-  
Copyright 1996 treaty adopted on  
Copyright (c) 2009 Matthew Bruenig <matthewbruenig@gmail.com>  
Copyright 1998, 2001-2002, 2006-2007 Free Software Foundation

nandpsu\_xilinx\_driver version 1.3

<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

# Copyright (C) 2015 Xilinx, Inc. All rights reserved.

#

# Permission is hereby granted, free of charge, to any person obtaining a copy  
# of this software and associated documentation files (the "Software"), to deal  
# in the Software without restriction, including without limitation the rights  
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
# copies of the Software, and to permit persons to whom the Software is  
# furnished to do so, subject to the following conditions:

#

# The above copyright notice and this permission notice shall be included in

```
# all copies or substantial portions of the Software.
#
# Use of the Software is limited solely to applications:
# (a) running on a Xilinx device, or
# (b) that interact with a Xilinx device through a bus or interconnect.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
# XILINX BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
# WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
# OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
# SOFTWARE.
#
# Except as contained in this notice, the name of the Xilinx shall not be used
# in advertising or otherwise to promote the sale, use or other dealings in
# this Software without prior written authorization from Xilinx.
#
#####
```

Copyright 2015 Xilinx Inc

```
networkx version 1.11
<<<<<<<<<xilinx-separator>>>>>>>>>>>>>
```

Copyright (C) 2004-2018, NetworkX Developers  
Aric Hagberg <hagberg@lanl.gov>  
Dan Schult <dschult@colgate.edu>  
Pieter Swart <swart@lanl.gov>  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are  
met:

- \* Redistributions of source code must retain the above copyright  
notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above  
copyright notice, this list of conditions and the following





The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 3 (29 June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

## COPYING.LIBGLOSS

The libgloss subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the libgloss subdirectory:

### (1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

### (2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

### (3) DJ Delorie

Copyright (C) 1993 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(4) (formerly GPL for fr30)

The GPL is no longer applicable to the fr30 platform. The piece of code (syscalls.c) referencing the GPL has been officially relicensed.

(5) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(6) - Analog Devices, Inc. (bfin-\* targets)

Copyright (C) 2006, 2008, 2009, 2011, 2012 Analog Devices, Inc.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(7) University of Utah and the Computer Systems Laboratory (CSL)

[applies only to hppa\*.\*-pro\* targets]  
Copyright (c) 1990,1994 The University of Utah and  
the Computer Systems Laboratory (CSL). All rights reserved.

Permission to use, copy, modify and distribute this software is hereby granted provided that (1) source code retains these copyright, permission, and disclaimer notices, and (2) redistributions including binaries reproduce the notices in supporting documentation, and (3) all advertising materials mentioning features or use of this software display the following acknowledgement: ``This product includes software developed by the Computer Systems Laboratory at the University of Utah."

THE UNIVERSITY OF UTAH AND CSL ALLOW FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. THE UNIVERSITY OF UTAH AND CSL DISCLAIM ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

CSL requests users of this software to return to [csl-dist@cs.utah.edu](mailto:csl-dist@cs.utah.edu) any improvements that they make and grant CSL redistribution rights.

(8) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(9) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(10) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

(11) IBM Corp. spu processor (only spu-\* targets)

(C) Copyright IBM Corp. 2005, 2006

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(13) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) - National Semiconductor Corporation

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(15) - CodeSourcery, Inc. (tic6x-\* targets)

Copyright (c) 2010 CodeSourcery, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.  
\* Neither the name of CodeSourcery nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CODESOURCERY, INC. ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CODESOURCERY BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) - GPL with exception (sparc-\*leon\*, crx-\*, cr16-\* targets only)

Copyright (C) 1992 Free Software Foundation, Inc.  
Written By David Vinayak Henkel-Wallace, June 1992

This file is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

In addition to the permissions in the GNU General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file with other programs, and to distribute those programs without any restriction coming from the use of this file. (The General Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into another program.)

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; see the file COPYING. If not, write to the Free Software Foundation, 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

As a special exception, if you link this library with files compiled with GCC to produce an executable, this does not cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License.

(17) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(18) - Rolls-Royce Controls and Data Services Limited (visium-\* targets)

Copyright (c) 2015 Rolls-Royce Controls and Data Services Limited.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Rolls-Royce Controls and Data Services Limited nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) - FTDI (ft32-\* targets)

Copyright (C) 2014 FTDI (support@ftdichip.com)

The authors hereby grant permission to use, copy, modify, distribute,

and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(20) - Synopsys Inc (arc-\* targets)

Copyright (c) 2015, Synopsys, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1) Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3) Neither the name of the Synopsys, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

#### >>>> COPYING.NEWLIB

The newlib subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the newlib subdirectory:

- (1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at



<http://www.opensource.org/licenses>. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) David M. Gay (AT&T 1991, Lucent 1998)

The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

-----  
The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies  
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

#### (4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(5)

(6)

#### (7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this

software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

**THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at [softwaresupport@superh.com](mailto:softwaresupport@superh.com) .

SuperH, Inc.  
405 River Oaks Parkway  
San Jose  
CA 95134  
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska Högskolan  
(Royal Institute of Technology, Stockholm, Sweden).  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984,2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(18) Citrus Project

Copyright (c)1999 Citrus Project,  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386)  
Copyright (C) 1991 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted

provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (\*-linux\* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-\*-linux\* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific, written prior permission.



Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only \*-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000

Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.  
Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-\* targets)

(C) Copyright 2001,2006,  
International Business Machines Corporation,  
Sony Computer Entertainment, Incorporated,  
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>  
at Electronni Visti IA, Kiev, Ukraine.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(35) - ARM Ltd (arm and thumb variant targets only)

Copyright (c) 2009-2015 ARM Ltd  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-\*, \*-tirtos targets)

Copyright (c) 1996-2010,2014 Texas Instruments Incorporated  
<http://www.ti.com/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-\* and crx-\* targets)

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(40) - Altera Corporation (nios2-\* targets)

Copyright (c) 2003 Altera Corporation  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- o Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.



THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(42) - Rolls-Royce Controls and Data Services Limited (visium-\* targets)

Copyright (c) 2015 Rolls-Royce Controls and Data Services Limited.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Rolls-Royce Controls and Data Services Limited nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(43) - FTDI (ft32-\* targets)

Copyright (C) 2014 FTDI (support@ftdichip.com)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(44) - Synopsys Inc (arc-\* targets)

Copyright (c) 2015, Synopsys, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1) Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3) Neither the name of the Synopsys, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(45) Phoenix Systems - Phoenix-RTOS targets

Copyright (c) 2016 Phoenix Systems  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2006 Pathway Connectivity  
Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr) and Pavel Krauz (krauz@fsid.cvut.cz).  
Copyright 1996, 1998 Massachusetts Institute of Technology  
Copyright 1996-1997 Andrey A. Chernov Moscow Russia  
Copyright 1996-1998 John D. Polstra  
Copyright 1996-2000, 2005, 2007-2008, 2010 The NetBSD Foundation Inc  
Copyright 2009 Conny Marco Menebrcker  
Copyright 1984-2016 Free Software Foundation Inc.  
Copyright 2000 Cygnus Solutions A Red Hat Co  
Copyright 1996, 1998 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright (c) 2011 David Chisnall  
Copyright 2012-2015 MIPS Technologies Inc. California  
Copyright (c) 2001 Red Hat Inc. Derived from crt0  
Copyright 2004 Christian Groessler <chris@groessler.org>  
Copyright 2009, 2011 Edgar E. Iglesias  
Copyright (c) 2004 by Internet Systems Consortium Inc.  
Copyright 2006 KPIT Cummins  
(C) 1986 SMI  
Copyright 2007-2010 Eric Blake  
Copyright 1984-1993, 2009 Sun Microsystems Inc  
Copyright 1996-2007 MIPS Technologies Inc  
Copyright 2007 mocom software GmbH & Co KG  
Copyright 2003-2004 Artem B. Bitvuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers  
Copyright 2000 Silicon Graphics Inc  
Copyright 1994 The Australian National University  
Copyright 1989 1990 AMD start of fpsymbol.  
Copyright (c) 2011 Ed Schouten <ed@FreeBSD.org> David Chisnall <theraven@FreeBSD.org> All rights reserved.  
Copyright 2010-2015 Linaro Ltd  
Copyright (c) 2003-2004 Artem B. Bitvuckiy. Rights transferred to Franklin Electronic Publishers.

Copyright (c) 1996 David Mazieres <dm@uun.org>  
Copyright (c) 2014 Google Inc.  
Copyright (c) 2007 Steven G. Kargl All rights reserved.  
Copyright 1996-2002 FreeBSD Project  
Copyright 1986 HEWLETT-PACKARD Co  
Copyright 2012 Peter Rosin  
Copyright (c) 1997 FreeBSD Inc. All rights reserved.  
Copyright 1992-1994 Henry Spencer  
Copyright hint to include 2003  
Copyright (c) 2010 2011 2012 2013 Corinna Vinschen All rights reserved.  
Copyright 2000-2001, 2008, 2011 David E. O'Brien  
Copyright (c) 2014 Imagination Technologies Limited.  
Copyright 1998 M. Warner Losh <imp@freebsd.org>  
Copyright (c) 1994 Adam Glass and Charles Hannum. All rights reserved.  
Copyright (c) 1999 2000 2001 Jonathan Lemon <jlemon@FreeBSD.org> All rights reserved.  
Copyright 2011-2012 Adapteva Inc  
Copyright 1984 Third Eye Software Inc  
Copyright 2000-2003 Broadcom Corp  
Copyright 1994 Ugen J.S.Antsilevich  
Copyright 1988-1990 AMD  
Copyright 1990-1992 MIPS Computer Systems Inc. MIPS Computer Systems Inc. grants reproduction and  
Copyright 1999-2001, 2004, 2006, 2008, 2010, 2012 Free Software Foundation Inc. Contributed by Denis Chertykov  
<denisc@overta.ru>  
Copyright by Hannu Savolainen 1993-1997  
Copyright (C) 2012 Cygwin Authors This program comes with NO WARRANTY to the extent permitted by law. You may  
redistribute copies of this program under the terms of  
Copyright 2001-2004 Morpho Technologies Inc  
Copyright 2014 OpenRISC Project Maintainers  
Copyright 1997 Gregory Pietsch  
Copyright 2008, 2011 Ed Schouten <ed@FreeBSD.org>  
Copyright 2008-2010, 2012, 2014 Anthony Green  
Copyright 1995-1999 Cygnus Solutions  
Copyright 2001-2002 Mike Barcroft <mike@FreeBSD.org>  
Copyright (C) 2000 Juan Quintela <quintela@fi.udc.es> Aaron Laffin <alaffin@sgi.com>  
Copyright 1993 Daniel Boulet and RTMX Inc.  
Copyright 2001-2012 Analog Devices Inc  
Copyright 1999-2004 Stephane Carrez (stcarrez@nerim.fr)  
Copyright (c) 2002 Robert Drehmel All rights reserved.  
Copyright (c) 2010 Damien Miller. All rights reserved.  
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory  
Copyright 2008 Damien Miller <djm@openbsd.org>  
Copyright 1984, 2000 S.L. Moshier  
Copyright 1996-2010, 2014 Texas Instruments Inc  
Copyright 1995-2013 Xilinx Inc  
Copyright 2009-2011, 2013 Chris Faylor  
Copyright 1988 Advanced Micro Devices Written by Gibbons and Associates Inc.  
Copyright 2001, 2006-2008 International Business Machines Corp Sony Computer Entertainment Inc  
Copyright 1988-1990 Advanced Micro Devices Inc  
Copyright 2003-2004 Artem B. Bityuckiy SoftMine Corp  
Copyright 2011 The FreeBSD Foundation  
Copyright 1995-1996, 2001 Cygnus Support - - mode makefile - -  
Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>  
Copyright 1997-1998, 2002-2004 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright 2013-2014 Andes Technology Corp  
Copyright 1988-1989, 1992-1993 Intel Corp  
Copyright (c) 2001 MagniComp All rights reserved.

Copyright (c) 1998-2002 Luigi Rizzo Universita  
Copyright (C) 1994 Cronyx Ltd. Author Serge Vakulenko <vak@cronyx.ru>  
Copyright (c) 1999 2000 2001 2002 Stephane Carrez  
Copyright 2003-2004 Artem B. Bityuckiy  
Copyright 1993 Daniel Boulet  
Copyright 1998-2001 Lucent Technologies  
Copyright 2006, 2008, 2010 CodeSourcery Inc  
Copyright (c) 2001-2013 The IEEE and The Open Group XBD Base Definitions  
Copyright (C) 2007 Sony Computer Entertainment Inc.  
Copyright 1996 treaty adopted on  
Copyright 2002 Red Hat Inc. -  
Copyright 1999-2000 Konstantin Chuguev  
Copyright 2016 Phoenix Systems  
Copyright 1989, 2001 Carnegie Mellon University  
Copyright 2007 Ellips BV  
Copyright 2005-2006 INNOVASIC SEMICONDUCTOR  
Copyright 2011 Aeroflex Gaisler  
Copyright (c) 2014 Theo de Raadt <deraadt@openbsd.org>  
Copyright (c) 2000 Akamba Corp. All rights reserved  
Copyright (C) 1995-1996 Jean-loup Gailly and Mark Adler  
Copyright (c) 2010 David Xu <davidxu@freebsd.org>  
Copyright (c) 2003-2004 Artem B. Bityuckiy modification are permitted provided that the following conditions are met  
Copyright 1995-2001 WIDE Project  
Copyright 1988-1989 Stephen Deering  
Copyright 2007 Toshiba Corp  
Copyright 1996 Craig Metz  
Copyright (c) 2016 Joel Sherrill <joel@rtems.org>. All rights reserved.  
Copyright (C) 1995-1996 Jean-loup Gailly. For conditions of distribution and use see  
Copyright 1984 1995 by Stephen L. Moshier  
Copyright 2015 Rolls-Royce Controls and Data Services Ltd  
Copyright (c) 1999 Kungliga Tekniska H  
Copyright 1989-2013 On-Line Applications Research Corp  
Copyright 1999 Citrus Project  
Copyright 1994-2015 Red Hat Inc  
Copyright 1989 1990 AMD - Useful equates  
Copyright 1988-2006 Leif Ekblad  
Copyright (c) 1995 Cygnus Support The authors hereby grant permission to use copy modify distribute and license this software and its documentation for any purpose provided  
Copyright 2012-2014 Peter Gavin <pgavin@gmail.com>  
Copyright (C) 1997 Joerg Wunsch.  
Copyright 1980-2001, 2006-2007 The Regents of the University of California  
Copyright 2001 Christopher G. Demetriou  
Copyright 1995, 1999 Berkeley Software Design Inc  
Copyright 1991, 1993, 1997, 2000 DJ Delorie  
Copyright 2002-2003 SuperH Ltd  
Copyright (c) 2014 Hesham ALMatary All rights reserved.  
Copyright 2005-2016 ARM Ltd  
Copyright 1993-2005, 2007 Axis Communications  
Copyright (c) 2015 FTDI  
Copyright 2003 Altera Corp  
Copyright 2002 SuperH Inc. All rights reserved  
Copyright (c) 2003 Artem B. Bityuckiy (dedekind@mail.ru).  
Copyright 2009 Charles S. Wilson  
Copyright (c) 1998-2002 Luigi Rizzo  
(c) Copyright 1986 HEWLETT-PACKARD COMPANY x0aTo anyone who acknowledges that this file is provided AS IS x0awithout any express or implied warranty x0a permission to use copy modify and distribute this file x0afor any purpose is

hereby granted without fee provided that x0athe above  
Copyright 2005-2009 IBM Corp  
Copyright 2010 John Carey. All rights reserved.  
Copyright (c) 1995 Matt Thomas (thomas@lkg.dec.com) All rights reserved.  
Copyright 2011-2012 Adapteva Inc. dnl  
Copyright 1991 AT&T  
Copyright 2001, 2006-2008 International Business Machines Corp  
Copyright (C) 2001 2004 2005 Axis Communications AB. All rights reserved.  
Copyright 2004-2005 Ralf Corsepius Ulm Germany  
Copyright 2013, 2015-2016 embedded brains GmbH  
Copyright 1993 Martin Birgmeier  
Copyright 2001-2004 Morpho Technologies  
Copyright 1993 Digital Equipment Corp  
Copyright (c) 2013 Markus Friedl <markus@openbsd.org>  
Copyright 2015-2016 Synopsys Inc  
Copyright 2002-2005 Tim J. Robbins  
Copyright 2001-2002, 2007-2008, 2012 Hans-Peter Nilsson  
Copyright (c) 1996 Matthew R. Green All rights reserved.  
Copyright 2014-2015 FTDI (support@ftdichip.com)  
Copyright 1995 International Business Machines Inc  
Copyright (c) 1998 Larry Lile All rights reserved.  
Copyright 2009-2010 the mingw-  
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>  
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine  
Copyright 2014 Mentor Graphics Inc  
Copyright 2005-2014 Rich Felker et al.  
Copyright 2005, 2007 Shaun Jackman  
Copyright (c) 2004 Stefan Farfeleder. All rights reserved.  
Copyright 1999-2000 Maksim Yevmenkin <m\_evmenkin@yahoo.com>  
Copyright 2004, 2009 CodeSourcery LLC  
Copyright 1984, 1987-1988, 1992 Stephen L. Moshier Direct inquiries to  
Copyright 1993-2002 Cygnus Support  
Copyright 2007 Sony Corp.  
Copyright 1995-1999 Internet Software Consortium  
Copyright 1982-1983, 1986-1988, 1990-1991, 2000 Regents of the University of California  
Copyright 2011-2012, 2014 Authors  
Copyright 2002 Niels Provos <provos@citi.umich.edu> All rights reserved.  
Copyright 1994 X Consortium  
Copyright 1988 Julian Onions <jpo@cs.nott.ac.uk> Nottingham University  
Copyright (c) 1999 Kungliga Tekniska Hgskolan  
Copyright 2004, 2012 National Semiconductor Corp  
Copyright 1988 1989 1990 AMD start of file intrinsi.  
Copyright 1998, 2000 Brian Somers <brian@Awfulhak.org>



PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) David M. Gay (AT&T 1991, Lucent 1998)

The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

-----  
The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies  
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

(4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights



are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.  
29K Support Products  
Mail Stop 573  
5900 E. Ben White Blvd.  
Austin, TX 78741  
800-292-9263

(5)

(6)

(7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.  
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED

**WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

**SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM**

## THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at [softwaresupport@superh.com](mailto:softwaresupport@superh.com) .

SuperH, Inc.  
405 River Oaks Parkway  
San Jose  
CA 95134  
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska Högskolan  
(Royal Institute of Technology, Stockholm, Sweden).  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <[phantom@FreeBSD.org](mailto:phantom@FreeBSD.org)>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright

notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984,2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(18) Citrus Project

Copyright (c)1999 Citrus Project,  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386 / arm)  
Copyright (C) 1991 DJ Delorie  
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (\*-linux\* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.  
This file is part of the GNU C Library.  
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-\*-linux\* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific, written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:

permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only \*-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.  
This software is not subject to any license of the American Telephone  
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on  
any computer system, and to alter it and redistribute it, subject  
to the following restrictions:

1. The author is not responsible for the consequences of use of this  
software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by  
explicit claim or by omission. Since few users ever read sources,  
credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be  
misrepresented as being the original software. Since few users  
ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions  
are met:

1. Redistributions of source code must retain the above copyright  
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright  
notice, this list of conditions and the following disclaimer in the  
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND  
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE  
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000  
Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without



modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.  
Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-\* targets)

(C) Copyright 2001,2006,  
International Business Machines Corporation,  
Sony Computer Entertainment, Incorporated,  
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>  
at Electronni Visti IA, Kiev, Ukraine.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright

notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-\* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(35) - Arm Ltd

Copyright (c) 2009-2018 Arm Ltd  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the

- documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-\* and powerpc-\* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-\*, \*-tirtos targets)

Copyright (c) 1996-2010,2014 Texas Instruments Incorporated  
<http://www.ti.com/>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-\* and crx-\* targets)

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-\* targets)

Copyright (c) 2011, Adapteva, Inc.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND

ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(40) - Altera Corporation (nios2-\* targets)

Copyright (c) 2003 Altera Corporation  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- o Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- o Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- o Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(42) - Rolls-Royce Controls and Data Services Limited (visium-\* targets)

Copyright (c) 2015 Rolls-Royce Controls and Data Services Limited.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Rolls-Royce Controls and Data Services Limited nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(43) - FTDI (ft32-\* targets)

Copyright (C) 2014 FTDI (support@ftdichip.com)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(44) - Synopsys Inc (arc-\* targets)

Copyright (c) 2015, Synopsys, Inc. All rights reserved.



Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1) Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2) Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3) Neither the name of the Synopsys, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(45) Phoenix Systems - Phoenix-RTOS targets

Copyright (c) 2016 Phoenix Systems  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

**THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

(46) embedded brains - RTEMS targets

Copyright (c) 2017 embedded brains GmbH  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(47) John Baldwin - RTEMS targets

Copyright (c) 2015 John Baldwin <jhb@FreeBSD.org>.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(48) Jeffrey Roberson - RTEMS targets

Copyright (c) 2008, Jeffrey Roberson <jeff@freebsd.org>  
All rights reserved.

Copyright (c) 2008 Nokia Corporation  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice unmodified, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(49) - SiFive Inc. (riscv-\* targets)

Copyright (c) 2017 SiFive Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the FreeBSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at <http://www.opensource.org/licenses>.

(50) Michael R. Neilly (riscv-\* targets)

(c) Copyright 2017 Michael R. Neilly  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2010 2011 2012 Free Software Foundation Inc. Written by Sean Keys (skeys@ipdatasys.com)  
Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr) and Pavel Krauz (krauz@fsid.cvut.cz).  
Copyright 2010 CodeSourcery Inc  
Copyright 1996-1997 Andrey A. Chernov Moscow Russia  
Copyright 2005-2013 Free Software Foundation Inc. Contributed by Red Hat  
Copyright 2011 Aeroflex Gaisler  
Copyright 2006 2010 Free Software Foundation Inc. Contributed by KPIT Cummins Infosystems  
Copyright 1990-2013 Free Software Foundation  
Copyright 2000 2001 2003 2010 Free Software Foundation Inc. Contributed by Carl B. Pedersen and Martin Schwidefsky.  
Copyright 1999 Free Software Foundation Inc. Contributed by Charles-Antoine Gauthier (charles.gauthier@iit.nrc.ca)  
Copyright (C) 1990-1992 Free Software Foundation Inc. Contributed by steve chamberlain  
Copyright (c) 2000 Akamba Corp. All rights reserved  
Copyright 1992 Free Software Foundation Inc. Written By David Vinayak Henkel-Wallace June  
Copyright 2002 2003 2010 Free Software Foundation Inc. Contributed by Damjan Lampret (lampret@opencores.org).  
Copyright 1999 Kungliga Tekniska Hgskolan  
Copyright 1996, 1998 Xavier Leroy (Xavier.Leroy@inria.fr)  
Copyright 1994 1995 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2012 Free Software Foundation Inc.  
Written by Ian Lance Taylor Cygnus Support  
Copyright 1995-2001 WIDE Project  
Copyright (c) 2011 David Chisnall  
Copyright 2001 Hans-Peter Nilsson  
Copyright 2012-2015 MIPS Technologies Inc. California  
Copyright 1988-1989 Stephen Deering  
Copyright (c) 2016 Joel Sherrill <joel@rtems.org>. All rights reserved.  
Copyright 2012-2013 Free Software Foundation Inc. Contributed by Nigel Gray (ngray@altera.com). Contributed by Mentor Graphics Inc  
Copyright 1984 1995 by Stephen L. Moshier  
Copyright (C) 2000-2015 Free Software Foundation Inc. Contributed by Zack Weinberg <zackw@stanford.edu>.  
Copyright 1996-1999 Internet Software Consortium  
Copyright 2015 Rolls-Royce Controls and Data Services Ltd  
Copyright (c) 1999 Kungliga Tekniska H  
Copyright (C) 1999-2015 Free Software Foundation Inc. Contributed by Vladimir Makarov (vmakarov@cygnus.com).  
Copyright 2007-2008, 2010, 2013 Free Software Foundation Inc. Contributed by M R Swami Reddy  
Copyright 2005-2014 Rich Felker et al  
Copyright 1999 Citrus Project  
Copyright 2008 Nokia Corp  
Copyright 1990 Alfalfa Software Inc Cambridge Massachusetts  
Copyright (C) 2000 Free Software Foundation Inc. Contributed by Greg McGary <greg@mcgary.org> This file is part of the GNU C Library. Its master source is NOT part of  
Copyright 1996-2007 MIPS Technologies Inc

Copyright 2003-2004 Artem B. Bitvuckiy SoftMine Corp. Rights transferred to Franklin Electronic Publishers  
Copyright 2000 Silicon Graphics Inc  
Copyright (c) 2013 On-Line Applications Research Corporation. All rights reserved.  
Copyright (C) 1993-2000 2002 2010 Free Software Foundation Inc. Contributed by David Wood  
Copyright 2010-2018 Linaro Ltd  
Copyright 2013, 2015-2018 embedded brains GmbH  
Copyright 1996-2003 Free Software Foundation Inc. Taken from GNU libtool  
Copyright 2001 Christopher G. Demetriou  
Copyright 2014 FTDI (support@ftdichip.com)  
Copyright (c) 2011 Ed Schouten <ed@FreeBSD.org> David Chisnall <theraven@FreeBSD.org> All rights reserved.  
Copyright (c) 2003-2004 Artem B. Bitvuckiy. Rights transferred to Franklin Electronic Publishers.  
Copyright (c) 2007 Steven G. Kargl All rights reserved.  
Copyright 1998-2003, 2005-2006, 2008-2010 Free Software Foundation Inc. Contributed by David Mosberger-Tang  
<davidm@hpl.hp.com>  
Copyright (C) 2009-2015 Free Software Foundation Inc. Contributed by Rafael Espindola <espindola@google.com>  
Copyright 1995 1996 1997 1998 1999 2000 2001 2002 2003 2005 2009 2010 Free Software Foundation Inc. Written by Ian  
Lance Taylor <ian@cygnus.com> Cygnus Support.  
Copyright 1996-2002 FreeBSD Project  
Copyright 1986 HEWLETT-PACKARD Co  
Copyright 1984-2018 Free Software Foundation Inc  
Copyright 1999 2000 2001 2005 2009 2010 Free Software Foundation Inc. Written by Timothy Wall (twall@cygnus.com)  
Copyright 2002 SuperH Inc  
Copyright 2003 Altera Corp  
Copyright 2009 Free Software Foundation Inc. Contributed by Anthony Green (green@moxielogic.com).  
Copyright 2002-2013 Free Software Foundation Inc. Contributed by Dmitry Diky <diwil@mail.ru>  
Copyright 2009 Charles S. Wilson  
Copyright 2017 Michael R. Neilly  
Copyright (c) 1997 FreeBSD Inc. All rights reserved.  
Copyright (c) 1998-2002 Luigi Rizzo  
Copyright 1992-1994 Henry Spencer  
Copyright 2005-2009 IBM Corp  
Copyright 1996 1997 2003 2010 Free Software Foundation Inc. Written by Fred Fish (fnf@cygnus.com) Cygnus Support  
Copyright 2010 John Carey. All rights reserved.  
Copyright 1998, 2002 Todd C. Miller <Todd.Miller@courtesan.com>  
Copyright (c) 2010 2011 2012 2013 Corinna Vinschen All rights reserved.  
Copyright (c) 1995 Matt Thomas (thomas@lkg.dec.com) All rights reserved.  
Copyright (C) 2005-2013 Free Software Foundation Inc. Contributed by Analog Devices.  
Copyright 1994 1995 1998 1999 2000 2003 2010 Free Software Foundation Inc. PowerPC version written by Ian Lance  
Taylor Cygnus Support  
Copyright (c) 2014 Imagination Technologies Limited.  
Copyright 2004, 2010, 2012 Free Software Foundation Inc. Contributed by Tomer Levi NSC Israel. Originally written for  
GAS  
Copyright 1998 M. Warner Losh <imp@freebsd.org>  
Copyright 2004, 2009 Xilinx Inc  
Copyright (C) 2009-2016 Free Software Foundation Inc. Written by Cary Coutant <ccoutant@google.com>.  
Copyright 1996-2001, 2003-2009 Free Software Foundation Inc. Written by Gordon Matzigkeit  
Copyright 1991, 1993 DJ Delorie  
Copyright 1998-2015 Free Software Foundation Inc. Contributed by Mark Mitchell (mark@markmitchell.com)  
Copyright (C) 2000 2001 2004 2010 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden.  
Originally written for GAS  
Copyright 1991 AT&T  
Copyright (c) 1999 2000 2001 Jonathan Lemon <jlemon@FreeBSD.org> All rights reserved.  
Copyright 2011-2012 Adapteva Inc  
Copyright 2001, 2006-2008 International Business Machines Corp  
Copyright 2001, 2006, 2008 International Business Machines Corp Sony Computer Entertainment Inc  
Copyright (C) 2002 2010 Free Software Foundation Inc. Contributed by Ivan Guzvynec <ivang@opencores.org>

Copyright 1994 Ugen J.S.Antsilevich  
Copyright 2015 John Baldwin <jhb@FreeBSD.org>  
Copyright 1999-2001, 2004, 2006, 2008, 2010, 2012 Free Software Foundation Inc. Contributed by Denis Chertykov <denisc@overta.ru>  
Copyright 1996-2014 Free Software Foundation Inc. Originally written by Francois Pinard <pinard@iro.umontreal.ca>  
Copyright 1999-2014 Free Software Foundation Inc. Written by Tom Tromey <tromey@cygnus.com>  
Copyright 1993 2005 2010 Free Software Foundation Inc. By Ian Lance Taylor Cygnus Support  
Copyright by Hannu Savolainen 1993-1997  
Copyright (C) 2002 2010 Free Software Foundation Inc. Contributed by Matt Thomas <matt@3am-software.com>.  
Copyright 1989 Carnegie Mellon University  
Copyright 1993 Digital Equipment Corp  
Copyright 2009-2013 Free Software Foundation Inc. Contributed by ARM Ltd  
Copyright 1994-2009, 2014 Red Hat Inc  
Copyright 2015-2016 Synopsys Inc  
Copyright 1997 Gregory Pietsch  
Copyright 2008, 2011 Ed Schouten <ed@FreeBSD.org>  
Copyright 2002-2005 Tim J. Robbins  
Copyright 1997-2013 Free Software Foundation Inc. Contributed by Cygnus Solutions.  
Copyright 2001-2002 Mike Barcroft <mike@FreeBSD.org>  
Copyright 2010 Free Software Foundation Inc. Written by Tristan Gingold <gingold@adacore.com> AdaCore  
Copyright (C) 2000 Juan Quintela <quintela@fi.udc.es> Aaron Laffin <alaffin@sgi.com>  
Copyright 1996 1999 2001 2003 2010 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC opcode table written by Ian Lance Taylor.  
Copyright 1994-1995, 1997-1998, 2000-2003, 2010 Free Software Foundation Inc. Contributed by Doug Evans (dje@cygnus.com)  
Copyright (C) 2001-2015 Free Software Foundation Inc. Contributed by Bob Wilson (bob.wilson@acm.org) at Tensilica.  
Copyright (C) 2009 2011 Free Software Foundation Inc. Contributed by Embecosm on behalf of Adapteva Inc.  
Copyright 1988 1989 1991 2010 Free Software Foundation Inc. Written by Pace Willisson  
Copyright 2008-2013 Free Software Foundation Inc. Written by DJ Delorie <dj@redhat.com>  
Copyright 1995 International Business Machines Inc  
Copyright (c) 1998 Larry Lile All rights reserved.  
Copyright 2000 Free Software Foundation Inc. Contributed by Ulrich Drepper <drepper@redhat.com>  
Copyright 1990, 1994 The University of Utah and the Computer Systems Laboratory  
Copyright (C) 2000 2001 2002 2004 2005 2006 2008 2009 2010 Free Software Foundation Inc. Contributed by Jan Hubicka <jh@suse.cz>  
Copyright 2009-2010 the mingw-  
Copyright 2000-2001 Alexey Zelkin <phantom@FreeBSD.org>  
Copyright 1982-1983, 1986-1988, 1990-1991 Regents of the University of California  
Copyright 1980-2001, 2006 The Regents of the University of California  
Copyright 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA Kiev Ukraine  
Copyright 1993 Intel Corp  
Copyright 1996 1997 1998 1999 2000 2001 2003 2010 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Support  
Copyright 2018 Mentor Graphics  
Copyright 1984, 2000 S.L. Moshier  
Copyright 1996-2010, 2014 Texas Instruments Inc  
Copyright 1999 2000 2002 2003 2010 2012 Free Software Foundation Inc. Written by Stephane Carrez (scarrez@nerim.fr)  
Copyright (C) 1998-2015 Free Software Foundation Inc. Contributed by Daniel Berlin (dan@cgsoftware.com).  
Copyright 2014 Mentor Graphics Inc  
Copyright (C) 2001 2003 2010 Free Software Foundation Inc. Written by Hans-Peter Nilsson (hp@bitrange.com)  
Copyright 1996-2000, 2005-2008, 2010-2011, 2013 The NetBSD Foundation Inc  
Copyright (c) 2004 Stefan Farfeleder. All rights reserved.  
Copyright 1996-2013 Free Software Foundation Inc. Written by J.T. Conklin Cygnus Support  
Copyright 1999-2000 Maksim Yevmenkin <m\_evmenkin@yahoo.com>  
Copyright 1989-1990 Advanced Micro Devices Inc  
Copyright 2006, 2008 Altera Corp San Jose California USA

Copyright (C) 1998-2000 Free Software Foundation Inc. Originally by Thomas Tanner <tanner@ffii.org> This file is part of GNU Libtool.

Copyright 1984, 1986-1987, 1990, 1993, 2009 Sun Microsystems Inc

Copyright 1996-1999, 2003, 2010 Free Software Foundation Inc. Written by Jeff Law Cygnus Support

Copyright 2003-2004 Artem B. Bitvuckiy SoftMine Corp

Copyright 1999 2002 2003 2010 Free Software Foundation Inc. Contributed by Steve Chamberlain of Transmeta (sac@pobox.com).

Copyright 2011 The FreeBSD Foundation

Copyright 2000 2001 2004 2010 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Written by Hans-Peter Nilsson.

Copyright 2008 Jeffrey Roberson <jeff@freebsd.org>

Copyright (C) 2010-2015 Free Software Foundation Inc. Written by Ian Lance Taylor Google.

Copyright 1998 2005 2009 2010 Free Software Foundation Inc. Contributed by Steven Haworth (steve@pm.cse.rmit.edu.au)

Copyright 2005 2010 Free Software Foundation Inc. Contributed by Arnold Metselaar <arnold\_m@operamail.com>

Copyright 2000 2001 2003 2010 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com).

Copyright 2008 2010 Free Software Foundation Inc. Contributed by Jon Beniston <jon@beniston.com>

Copyright 2009-2018 ARM Ltd

Copyright (C) 2000-2015 Free Software Foundation Inc. Contributed by Mark Mitchell <mark@codesourcery.com>.

Copyright 2004 Internet Systems Consortium Inc

Copyright 2001 Free Software Foundation Inc. Written by Michael Chastain <chastain@redhat.com> Changes by Corinna Vinschen <corinna@vinschen.de>

Copyright 2001 Daniel Eischen <deischen@FreeBSD.org>

Copyright 2011 Free Software Foundation Inc. License GPLv3

Copyright 2013 Free Software Foundation Inc. Contributed by Imagination Technologies Ltd

Copyright (c) 2001 MagniComp All rights reserved.

Copyright (c) 1998-2002 Luigi Rizzo Universita

Copyright 2006, 2008-2009, 2011-2012 Analog Devices Inc

Copyright 2004 National Semiconductor Corp

Copyright 2003-2004 Artem B. Bitvuckiy

Copyright 1993 Daniel Boulet

Copyright (c) 2007-2008 David Schultz <das@FreeBSD.ORG> All rights reserved.

Copyright 1998-2001 Lucent Technologies

Copyright (C) 2008 Eric Blake Permission to use copy modify and distribute the linear portion of software is freely granted provided that this notice is preserved.

Copyright 1996 to

Copyright (C) 1997-2015 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Solutions.

Copyright 2006-2010 Free Software Foundation Inc. Contributed by Brain.lin (brain.lin@sunplusct.com)

Copyright 1991-2013 Free Software Foundation Inc. Written by Steve Chamberlain <sac@cygnus.com>.

Copyright 1988 Julian Onions <jpo@cs.nott.ac.uk> Nottingham University

Copyright 1997 1998 1999 2000 2001 2003 2010 Free Software Foundation Inc. Written by Martin Hunt (hunt@cygnus.com) Cygnus Solutions

Copyright 2009 CodeSourcery LLC

Copyright 2003 2004 2007 2008 2010 Free Software Foundation Inc. Contributed by Bob Wilson (bwilson@tensilica.com) at Tensilica.

Copyright 2017 SiFive Inc

Copyright 2010 Free Software Foundation Inc. Contributed by Tristan Gingold <gingold@adacore.com> AdaCore

Copyright 1996 treaty adopted on

Copyright (C) 2000 2001 2002 Free Software Foundation Inc. Contributed by CodeSourcery LLC.

Copyright 1989 1991 Free Software Foundation Inc. Written by Philip A. Nelson.

Copyright 1999-2000 Konstantin Chuguev

Copyright 2016 Phoenix Systems

Copyright 1998, 2000 Brian Somers <brian@Awfulhak.org>

Copyright (C) 1990 1991 2001 2010 Free Software Foundation Inc. Written by Mimi Phuong-Thao Vo of IBM and John Gilmore of Cygnus Support.

Copyright 1999-2002 Stephane Carrez (stcarrez@nerim.fr)







THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Files: .libs/libopenb\*.so

Copyright (c) 2011-2014, The OpenBLAS Project

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the OpenBLAS project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Files: .libs/libopenb\*.so

Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2000-2013 The University of California Berkeley. All rights reserved.

Copyright (c) 2006-2013 The University of Colorado Denver. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are

met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed in this license in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against recipient by any third party for infringement of that parties intellectual property rights.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Files: .libs/libgfortran\*.so

Copyright (C) 2002-2017 Free Software Foundation, Inc.

Copyright 1999-2005, 2011 Pearu Peterson

Copyright (c) 2011-2014 The OpenBLAS Project All rights reserved.

Copyright 2006 by Michael Spencer. The recipe like most of the other ASPN Python Cookbook recipes was made available under the Python license.

Copyright 2005-2019 NumPy Developers

Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2003-2005 Jean-Sebastien Roy (js@jeannot.org)

copyright treaty adopted on 20 December 1996

Copyright (c) 2000-2013 The University of California Berkeley. All rights reserved.

Copyright (c) 2006-2013 The University of Colorado Denver. All rights reserved.

Copyright 1994-2002 Absoft Corp

Copyright 2010 David Wolever <david@wolever.net>

Copyright 1999-2001 Regents of the University of California. Released for unLtd redistribution

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document,  
was originally presented here, or as applicable, applies to the above-listed file(s)

The text of the GNU GCC RUNTIME LIBRARY EXCEPTION, Version 3.1 (March 2009), a copy of which is made available below in Part Four of this document,



updates, modifications, revisions, copies, documentation, setup files and design data (?Software?) are copyrighted, trade secret and confidential information of Mentor Graphics or its licensors, who maintain exclusive title to all Software and retain all rights not expressly granted by this Agreement. Except for Software that is embeddable (?Embedded Software?), which is licensed pursuant to separate embedded software terms or an embedded software supplement, Mentor Graphics grants to Customer, subject to payment of applicable license fees, a nontransferable, nonexclusive license to use Software solely: (a) in machine-readable, object-code form (except as provided in Subsection 4.2); (b) for Customer?s internal business purposes; (c) for the term of the license; and (d) on the computer hardware and at the site authorized by Mentor Graphics. A site is restricted to a one-half mile (800 meter) radius. Customer may have Software temporarily used by an employee for telecommuting purposes from locations other than a Customer office, such as the employee?s residence, an airport or hotel, provided that such employee?s primary place of employment is the site where the Software is authorized for use. Mentor Graphics? standard policies and programs, which vary depending on Software, license fees paid or services purchased, apply to the following: (a) relocation of Software; (b) use of Software, which may be limited, for example, to execution of a single session by a single user on the authorized hardware or for a restricted period of time (such limitations may be technically implemented through the use of authorization codes or similar devices); and (c) support services provided, including eligibility to receive telephone support, updates, modifications, and revisions. For the avoidance of doubt, if Customer provides any feedback or requests any change or enhancement to Products, whether in the course of receiving support or consulting services, evaluating Products, performing beta testing or otherwise, any inventions, product improvements, modifications or developments made by Mentor Graphics (at Mentor Graphics? sole discretion) will be the exclusive property of Mentor Graphics.

#### IMPORTANT INFORMATION

USE OF ALL SOFTWARE IS SUBJECT TO LICENSE RESTRICTIONS. CAREFULLY READ THIS LICENSE AGREEMENT BEFORE USING THE PRODUCTS. USE OF SOFTWARE INDICATES CUSTOMER?S COMPLETE AND UNCONDITIONAL ACCEPTANCE OF THE TERMS AND CONDITIONS SET FORTH IN THIS AGREEMENT. ANY ADDITIONAL OR DIFFERENT PURCHASE ORDER TERMS AND CONDITIONS SHALL NOT APPLY.

#### 3. BETA CODE.

3.1. Portions or all of certain Software may contain code for experimental testing and evaluation (which may be either alpha or beta, collectively ?Beta Code?), which may not be used without Mentor Graphics? explicit authorization. Upon Mentor Graphics? authorization, Mentor Graphics grants to Customer a temporary, nontransferable, nonexclusive license for experimental use to test and evaluate the Beta Code without charge for a limited period of time specified by Mentor Graphics. Mentor Graphics may choose, at its sole discretion, not to release Beta Code commercially in any form.

3.2. If Mentor Graphics authorizes Customer to use the Beta Code, Customer agrees to evaluate and test the Beta Code under normal conditions as directed by Mentor Graphics. Customer will contact Mentor Graphics periodically during Customer?s use of the Beta Code to discuss any malfunctions or suggested improvements. Upon completion of Customer?s evaluation and testing, Customer will send to Mentor Graphics a written evaluation of the Beta Code, including its strengths, weaknesses and recommended improvements.

3.3. Customer agrees to maintain Beta Code in confidence and shall restrict access to the Beta Code, including the methods and concepts utilized therein, solely to those employees and Customer location(s) authorized by Mentor Graphics to perform beta testing. Customer agrees that any written evaluations and all inventions, product improvements, modifications or

developments

that Mentor Graphics conceived or made during or subsequent to this Agreement, including those based partly or wholly on Customer's feedback, will be the exclusive property of Mentor Graphics. Mentor Graphics will have exclusive rights, title and

interest in all such property. The provisions of this Subsection 3.3 shall survive termination of this Agreement.

#### 4. RESTRICTIONS ON USE.

4.1. Customer may copy Software only as reasonably necessary to support the authorized use. Each copy must include all notices

and legends embedded in Software and affixed to its medium and container as received from Mentor Graphics. All copies shall

remain the property of Mentor Graphics or its licensors. Except for Embedded Software that has been embedded in executable code form in Customer's product(s), Customer shall maintain a record of the number and primary location of all copies of Software, including copies merged with other software, and shall make those records available to Mentor Graphics upon request. Customer shall not make Products available in any form to any person other than Customer's employees and on-site contractors, excluding Mentor Graphics competitors, whose job performance requires access and who are under obligations of confidentiality. Customer shall take appropriate action to protect the confidentiality of Products and ensure that any person permitted access does not disclose or use Products except as permitted by this Agreement. Customer shall give Mentor Graphics

written notice of any unauthorized disclosure or use of the Products as soon as Customer becomes aware of such unauthorized disclosure or use. Customer acknowledges that Software provided hereunder may contain source code which is proprietary and

its confidentiality is of the highest importance and value to Mentor Graphics. Customer acknowledges that Mentor Graphics may be seriously harmed if such source code is disclosed in violation of this Agreement. Except as otherwise permitted for purposes of interoperability as specified by applicable and mandatory local law, Customer shall not reverse-assemble, disassemble, reverse-compile, or reverse-engineer any Product, or in any way derive any source code from Software that is not

provided to Customer in source code form. Log files, data files, rule files and script files generated by or for the Software (collectively "Files"), including without limitation files containing Standard Verification Rule Format ("SVRF") and Tcl Verification Format ("TVF") which are Mentor Graphics' trade secret and proprietary syntaxes for expressing process rules, constitute or include confidential information of Mentor Graphics. Customer may share Files with third parties, excluding Mentor Graphics competitors, provided that the confidentiality of such Files is protected by written agreement at least as well as

Customer protects other information of a similar nature or importance, but in any case with at least reasonable care. Customer may use Files containing SVRF or TVF only with Mentor Graphics products. Under no circumstances shall Customer use Products or Files or allow their use for the purpose of developing, enhancing or marketing any product that is in any way competitive with Products, or disclose to any third party the results of, or information pertaining to, any benchmark.

4.2. If any Software or portions thereof are provided in source code form, Customer will use the source code only to correct software

errors and enhance or modify the Software for the authorized use, or as permitted for Embedded Software under separate embedded software terms or an embedded software supplement. Customer shall not disclose or permit disclosure of source code, in whole or in part, including any of its methods or concepts, to anyone except Customer's employees or on-site contractors, excluding Mentor Graphics competitors, with a need to know. Customer shall not copy or compile source code in any manner except to support this authorized use.

4.3. Customer agrees that it will not subject any Product to any open source software ("OSS") license that conflicts with this Agreement or that does not otherwise apply to such Product.

4.4. Customer may not assign this Agreement or the rights and duties under it, or relocate, sublicense, or otherwise transfer the

Products, whether by operation of law or otherwise ("Attempted Transfer?"), without Mentor Graphics' prior written consent and

payment of Mentor Graphics' then-current applicable relocation and/or transfer fees. Any Attempted Transfer without Mentor Graphics' prior written consent shall be a material breach of this Agreement and may, at Mentor Graphics' option, result in the

immediate termination of the Agreement and/or the licenses granted under this Agreement. The terms of this Agreement, including without limitation the licensing and assignment provisions, shall be binding upon Customer's permitted successors in

interest and assigns.

4.5. The provisions of this Section 4 shall survive the termination of this Agreement.

5. SUPPORT SERVICES. To the extent Customer purchases support services, Mentor Graphics will provide Customer with updates and technical support for the Products, at the Customer site(s) for which support is purchased, in accordance with Mentor Graphics' then current End-User Support Terms located at <http://supportnet.mentor.com/supportterms>.

6. OPEN SOURCE SOFTWARE. Products may contain OSS or code distributed under a proprietary third party license agreement, to which additional rights or obligations (Third Party Terms) may apply. Please see the applicable Product documentation (including license files, header files, read-me files or source code) for details. In the event of conflict between the terms of this Agreement (including any addenda) and the Third Party Terms, the Third Party Terms will control solely with respect to the OSS or third party code. The provisions of this Section 6 shall survive the termination of this Agreement.

#### 7. LIMITED WARRANTY.

7.1. Mentor Graphics warrants that during the warranty period its standard, generally supported Products, when properly installed, will substantially conform to the functional specifications set forth in the applicable user manual. Mentor Graphics does not warrant that Products will meet Customer's requirements or that operation of Products will be uninterrupted or error free. The warranty period is 90 days starting on the 15th day after delivery or upon installation, whichever first occurs. Customer must notify Mentor Graphics in writing of any nonconformity within the warranty period. For the avoidance of doubt, this warranty applies only to the initial shipment of Software under an Order and does not renew or reset, for example, with the delivery of (a)

Software updates or (b) authorization codes or alternate Software under a transaction involving Software re-mix. This warranty shall not be valid if Products have been subject to misuse, unauthorized modification, improper installation or Customer is not in compliance with this Agreement. MENTOR GRAPHICS' ENTIRE LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY SHALL BE, AT MENTOR GRAPHICS' OPTION, EITHER (A) REFUND OF THE PRICE PAID UPON RETURN OF THE PRODUCTS TO MENTOR GRAPHICS OR (B) MODIFICATION OR REPLACEMENT OF THE PRODUCTS THAT DO NOT MEET THIS LIMITED WARRANTY. MENTOR GRAPHICS MAKES NO WARRANTIES WITH RESPECT TO: (A) SERVICES; (B) PRODUCTS PROVIDED AT NO CHARGE; OR (C) BETA CODE; ALL OF WHICH ARE PROVIDED AS IS.

7.2. THE WARRANTIES SET FORTH IN THIS SECTION 7 ARE EXCLUSIVE. NEITHER MENTOR GRAPHICS NOR ITS LICENSORS MAKE ANY OTHER WARRANTIES EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO PRODUCTS PROVIDED UNDER THIS AGREEMENT. MENTOR GRAPHICS AND ITS LICENSORS SPECIFICALLY DISCLAIM ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY.

8. LIMITATION OF LIABILITY. TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, IN NO EVENT SHALL MENTOR GRAPHICS OR ITS LICENSORS BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS) WHETHER BASED ON CONTRACT, TORT OR ANY OTHER LEGAL THEORY, EVEN IF MENTOR GRAPHICS OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL MENTOR GRAPHICS' OR ITS LICENSORS' LIABILITY UNDER THIS AGREEMENT EXCEED THE AMOUNT RECEIVED FROM CUSTOMER FOR THE HARDWARE, SOFTWARE LICENSE OR SERVICE GIVING RISE TO THE CLAIM. IN THE CASE WHERE NO AMOUNT WAS PAID, MENTOR GRAPHICS AND ITS LICENSORS SHALL HAVE NO LIABILITY FOR ANY DAMAGES WHATSOEVER. THE PROVISIONS OF THIS SECTION 8 SHALL SURVIVE THE TERMINATION OF THIS AGREEMENT.

## 9. THIRD PARTY CLAIMS.

9.1. Customer acknowledges that Mentor Graphics has no control over the testing of Customer's products, or the specific applications and use of Products. Mentor Graphics and its licensors shall not be liable for any claim or demand made against Customer by any third party, except to the extent such claim is covered under Section 10.

9.2. In the event that a third party makes a claim against Mentor Graphics arising out of the use of Customer's products, Mentor Graphics will give Customer prompt notice of such claim. At Customer's option and expense, Customer may take sole control of the defense and any settlement of such claim. Customer WILL reimburse and hold harmless Mentor Graphics for any LIABILITY, damages, settlement amounts, costs and expenses, including reasonable attorney's fees, incurred by or awarded against Mentor Graphics or its licensors in connection with such claims.

9.3. The provisions of this Section 9 shall survive any expiration or termination of this Agreement.

## 10. INFRINGEMENT.

10.1. Mentor Graphics will defend or settle, at its option and expense, any action brought against Customer in the United States, Canada, Japan, or member state of the European Union which alleges that any standard, generally supported Product acquired by Customer hereunder infringes a patent or copyright or misappropriates a trade secret in such jurisdiction. Mentor Graphics will pay costs and damages finally awarded against Customer that are attributable to such action. Customer understands and agrees that as conditions to Mentor Graphics' obligations under this section Customer must: (a) notify Mentor Graphics promptly in writing of the action; (b) provide Mentor Graphics all reasonable information and assistance to settle or defend the action; and (c) grant Mentor Graphics sole authority and control of the defense or settlement of the action.

10.2. If a claim is made under Subsection 10.1 Mentor Graphics may, at its option and expense: (a) replace or modify the Product so that it becomes noninfringing; (b) procure for Customer the right to continue using the Product; or (c) require the return of the Product and refund to Customer any purchase price or license fee paid, less a reasonable allowance for use.

10.3. Mentor Graphics has no liability to Customer if the action is based upon: (a) the combination of Software or hardware with any product not furnished by Mentor Graphics; (b) the modification of the Product other than by Mentor Graphics; (c) the use of other than a current unaltered release of Software; (d) the use of the Product as part of an infringing process; (e) a product that Customer makes, uses, or sells; (f) any Beta Code or Product provided at no charge; (g) any software provided by Mentor Graphics' licensors who do not provide such indemnification to Mentor Graphics' customers; (h) OSS, except to the extent that the infringement is directly caused by Mentor Graphics' modifications to such OSS; or (i) infringement by Customer that is deemed willful. In the case of (i), Customer shall reimburse Mentor Graphics for its reasonable attorney fees and other costs related to the action.

10.4. THIS SECTION 10 IS SUBJECT TO SECTION 8 ABOVE AND STATES THE ENTIRE LIABILITY OF MENTOR GRAPHICS AND ITS LICENSORS, AND CUSTOMER'S SOLE AND EXCLUSIVE REMEDY, FOR DEFENSE, SETTLEMENT AND DAMAGES, WITH RESPECT TO ANY ALLEGED PATENT OR COPYRIGHT INFRINGEMENT OR TRADE SECRET MISAPPROPRIATION BY ANY PRODUCT PROVIDED UNDER THIS AGREEMENT.

## 11. TERMINATION AND EFFECT OF TERMINATION.

11.1. If a Software license was provided for limited term use, such license will automatically terminate at the end of the authorized term. Mentor Graphics may terminate this Agreement and/or any license granted under this Agreement immediately upon written notice if Customer: (a) exceeds the scope of the license or otherwise fails to comply with the licensing or confidentiality provisions of this Agreement, or (b) becomes insolvent, files a bankruptcy petition, institutes proceedings for liquidation or winding up or enters into an agreement to assign its assets for the benefit of creditors. For any other material breach of any provision of this Agreement, Mentor Graphics may terminate this Agreement and/or any license granted under this Agreement upon 30 days written notice if Customer fails to cure the breach within the 30 day notice period. Termination of this Agreement or any license granted hereunder will not affect Customer's obligation to pay for Products shipped or licenses granted prior to the termination, which amounts shall be payable immediately upon the date of termination.

11.2. Upon termination of this Agreement, the rights and obligations of the parties shall cease except as expressly set forth in this Agreement. Upon termination of this Agreement and/or any license granted under this Agreement, Customer shall ensure that



all use of the affected Products ceases, and shall return hardware and either return to Mentor Graphics or destroy Software in Customer's possession, including all copies and documentation, and certify in writing to Mentor Graphics within ten business days of the termination date that Customer no longer possesses any of the affected Products or copies of Software in any form.

12. EXPORT. The Products provided hereunder are subject to regulation by local laws and European Union (E.U.) and United States (U.S.) government agencies, which prohibit export, re-export or diversion of certain products, information about the products, and direct or indirect products thereof, to certain countries and certain persons. Customer agrees that it will not export or re-export Products in any manner without first obtaining all necessary approval from appropriate local, E.U. and U.S. government agencies. If Customer wishes to disclose any information to Mentor Graphics that is subject to any E.U., U.S. or other applicable export restrictions, including without limitation the U.S. International Traffic in Arms Regulations (ITAR) or special controls under the Export Administration Regulations (EAR), Customer will notify Mentor Graphics personnel, in advance of each instance of disclosure, that such information is subject to such export restrictions.

13. U.S. GOVERNMENT LICENSE RIGHTS. Software was developed entirely at private expense. The parties agree that all Software is commercial computer software within the meaning of the applicable acquisition regulations. Accordingly, pursuant to U.S. FAR 48 CFR 12.212 and DFAR 48 CFR 227.7202, use, duplication and disclosure of the Software by or for the U.S. government or a U.S.

government subcontractor is subject solely to the terms and conditions set forth in this Agreement, which shall supersede any conflicting terms or conditions in any government order document, except for provisions which are contrary to applicable mandatory federal laws.

14. THIRD PARTY BENEFICIARY. Mentor Graphics Corporation, Mentor Graphics (Ireland) Limited, Microsoft Corporation and other licensors may be third party beneficiaries of this Agreement with the right to enforce the obligations set forth herein.

15. REVIEW OF LICENSE USAGE. Customer will monitor the access to and use of Software. With prior written notice and during Customer's normal business hours, Mentor Graphics may engage an internationally recognized accounting firm to review Customer's software monitoring system and records deemed relevant by the internationally recognized accounting firm to confirm Customer's compliance with the terms of this Agreement or U.S. or other local export laws. Such review may include FlexNet (or successor product) report log files that Customer shall capture and provide at Mentor Graphics' request. Customer shall make records available in electronic format and shall fully cooperate with data gathering to support the license review. Mentor Graphics shall bear the expense of any such review unless a material non-compliance is revealed. Mentor Graphics shall treat as confidential information all information gained as a result of any request or review and shall only use or disclose such information as required by law or to enforce its rights under this Agreement. The provisions of this Section 15 shall survive the termination of this Agreement.

16. CONTROLLING LAW, JURISDICTION AND DISPUTE RESOLUTION. The owners of certain Mentor Graphics intellectual property licensed under this Agreement are located in Ireland and the U.S. To promote consistency around the world, disputes shall be resolved as follows: excluding conflict of laws rules, this Agreement shall be governed by and construed under the laws of the State of Oregon, U.S., if Customer is located in North or South America, and the laws of Ireland if Customer is located outside of North or South America or Japan, and the laws of Japan if Customer is located in Japan. All disputes arising out of or in relation to this

Agreement shall be submitted to the exclusive jurisdiction of the courts of Portland, Oregon when the laws of Oregon apply, or Dublin, Ireland when the laws of Ireland apply, or the Tokyo District Court when the laws of Japan apply. Notwithstanding the foregoing, all disputes in Asia (excluding Japan) arising out of or in relation to this Agreement shall be resolved by arbitration in Singapore before a single arbitrator to be appointed by the chairman of the Singapore International Arbitration Centre (?SIAC?) to be conducted in the English language, in accordance with the Arbitration Rules of the SIAC in effect at the time of the dispute, which rules are deemed to be incorporated by reference in this section. Nothing in this section shall restrict Mentor Graphics' right to bring an action (including for example a motion for injunctive relief) against Customer in the jurisdiction where Customer's place of business is located. The United Nations Convention on Contracts for the International Sale of Goods does not apply to this Agreement.

17. SEVERABILITY. If any provision of this Agreement is held by a court of competent jurisdiction to be void, invalid, unenforceable or illegal, such provision shall be severed from this Agreement and the remaining provisions will remain in full force and effect.

18. MISCELLANEOUS. This Agreement contains the parties' entire understanding relating to its subject matter and supersedes all prior or contemporaneous agreements. Any translation of this Agreement is provided to comply with local legal requirements only. In the event of a dispute between the English and any non-English versions, the English version of this Agreement shall govern to the extent not prohibited by local law in the applicable jurisdiction. This Agreement may only be modified in writing, signed by an authorized representative of each party. Waiver of terms or excuse of breach must be in writing and shall not constitute subsequent consent, waiver or excuse.

Rev. 170330, Part No. 270941

Copyright 1993-1997 Lucent Technologies  
Copyright ActiveState Corporation et al  
Copyright 1992-2006 by Concept Engineering GmbH. All rights reserved.  
Copyright (c) 1998 Paul Duffin.  
Copyright 1994 Borland Intl  
Copyright 1993-1994 Lockheed Missile & Space Co AI Center  
Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST  
Copyright (c) 1995-1997 Roger E. Critchlow Jr  
Copyright Borland International  
Copyright 1995-2004 Regents of the University of Colorado  
1999 Copyright URW Software  
copyright as the man pages. Sep 14 1996  
Copyright 1998-1999 Henry Spencer  
Copyright 1996-2007 Julian Seward <jseward@bzip.org>  
Copyright 1997 URW  
Copyright 1999 Xilinx Corp. Xilinx begin  
Copyright 1995-1996, 2008 IEEE  
Copyright 1993 Mentor Graphics -- -- --  
Copyright 1997-2006 Easy Software Products All Rights Reserved.  
Copyright 2005, 2008 Niklas Sorensson  
Copyright (c) 1998-2000 Ajuba Solutions. Contributions from Don Porter NIST  
Copyright 1990-1992, 1996-2000, 2007 Synopsys Inc  
Copyright 2001-2003 Kevin B. Kenny  
Copyright 2008-2013, 2015 Xilinx Inc  
Copyright 1996-2007 Julian Seward

Copyright 2001-2002 Vincent Darley  
Copyright (c) 1995 Dave Nebinger.  
Copyright 1995-2010 Jean-loup Gailly and Mark Adler  
Copyright 1997 American Mathematical Society  
Copyright 1996-2001 ASCII Corp.(www-ptex@ascii.co.jp) based on dvipsk  
Copyright 1995 General Electric Co  
Copyright 2004-2011 Oasys Design Systems Inc  
Copyright 1999 Radical Eye Software  
Copyright 2001-2002, 2004 ActiveState Corp  
Copyright 1984, 1989-1990, 1992-2003 Free Software Foundation Inc  
Copyright 1994-1996 Synplicity Inc  
Copyright 2000-2001, 2003 Synopsys  
Copyright 1998 Mark Harrison  
Copyright 1993-1998 Lucent Technologies Inc  
Copyright (c) 2000 Andreas Kupries. All rights reserved.  
Copyright (c) 1993-94 Lockheed Missile & Space Company  
Copyright 1992 HELIOS Software GmbH  
Copyright 1992 Regents of the University of California. --  
Copyright 1982-1991 Mentor Graphics Corp  
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)  
Copyright 1982-1983, 1986, 1988-1989 Regents of the University of California  
Copyright 1997 by URW URW Software  
Copyright 1993-1997 Bell Labs Innovations for Lucent Technologies  
Copyright 1990-1992 Synopsys Inc. -- --  
Copyright 2000-2004 Martin C. Shepherd  
Copyright 1999-2013 Verific Design Automation Inc  
Copyright 1997 Cadence Design Systems Inc  
Copyright 1993-2000 Sun Microsystems Inc  
Copyright (c) 1998 Sun Microsystems Inc. puts  
Copyright 1996-2007 Julian R Seward  
Copyright 1995-2010 Mark Adler  
Copyright (C) 1999 America Online Inc.  
Copyright 1995, 2001 Apple Computer Inc  
Copyright 1993-1994 Exemplar Logic Inc  
Copyright 2001-2002 Donal K. Fellows  
Copyright 1998-2000 Scriptics Corp. Contributions from Don Porter NIST  
Copyright 2001-2002 David Gravereaux  
Copyright 1992-1993, 1995-1996 Jens-Uwe Mager Helios Software GmbH Not derived from  
Copyright 1997-2000 Ajuba Solutions  
Copyright 2002 Radical Eye Software Title cudd.dvi Pages  
Copyright 1991 the Massachusetts Institute of Technology  
Copyright 2000 Ajuba Solutions HLP  
2001 Tcl Core Team  
Copyright (c) 1996 Lucent Technologies and Jim Ingham  
Copyright 1995-2010 Jean-loup Gailly detect  
Copyright 1998-2000 Scriptics Corp  
Copyright 1994-1996 Synplicity Inc. --  
Copyright 1994-1996 Synplicity Inc. -- --  
Copyright 1998 Scriptics Corp  
Copyright 1987-1994 The Regents of the University of California  
Copyright 1995-2010 Jean-loup Gailly  
Copyright (c) 2001 ActiveState Tool Corp.



Bison output file, you may use that output file without restriction.  
This special exception was added by the Free Software Foundation  
in version 1.24 of Bison. \*/

Copyright 1994-1996 the Omega Project  
Copyright 1984, 1989-1990 Free Software Foundation Inc  
Copyright 1986 1994 Radical Eye Software Title calculator.dvi CreationDate Mon Nov

opencores version OR1200  
<<<<<<<<<xilinx-separator>>>>>>>>>>>>

////////////////////////////////////  
// Copyright (c) 2008 Xilinx, Inc. All rights reserved.  
//  
// XILINX CONFIDENTIAL PROPERTY  
// This document contains proprietary information which is  
// protected by copyright. All rights are reserved. This notice  
// refers to original work by Xilinx, Inc. which may be derivative  
// of other work distributed under license of the authors. In the  
// case of derivative work, nothing in this notice overrides the  
// original author's license agreement. Where applicable, the  
// original license agreement is included in its original  
// unmodified form immediately below this header.  
//  
// Xilinx, Inc.  
// XILINX IS PROVIDING THIS DESIGN, CODE, OR INFORMATION "AS IS" AS A  
// COURTESY TO YOU. BY PROVIDING THIS DESIGN, CODE, OR INFORMATION AS  
// ONE POSSIBLE IMPLEMENTATION OF THIS FEATURE, APPLICATION OR  
// STANDARD, XILINX IS MAKING NO REPRESENTATION THAT THIS IMPLEMENTATION  
// IS FREE FROM ANY CLAIMS OF INFRINGEMENT, AND YOU ARE RESPONSIBLE  
// FOR OBTAINING ANY RIGHTS YOU MAY REQUIRE FOR YOUR IMPLEMENTATION.  
// XILINX EXPRESSLY DISCLAIMS ANY WARRANTY WHATSOEVER WITH RESPECT TO  
// THE ADEQUACY OF THE IMPLEMENTATION, INCLUDING BUT NOT LIMITED TO  
// ANY WARRANTIES OR REPRESENTATIONS THAT THIS IMPLEMENTATION IS FREE  
// FROM CLAIMS OF INFRINGEMENT, IMPLIED WARRANTIES OF MERCHANTABILITY  
// AND FITNESS FOR A PARTICULAR PURPOSE.  
//  
////////////////////////////////////

////////////////////////////////////  
//// Copyright (C) 2000 Authors and OPENCORES.ORG ////  
//// This source file may be used and distributed without ////  
//// restriction provided that this copyright statement is not ////  
//// removed from the file and that any derivative work contains ////  
//// the original copyright notice and the associated disclaimer. ////  
//// This source file is free software; you can redistribute it ////  
//// and/or modify it under the terms of the GNU Lesser General ////  
//// Public License as published by the Free Software Foundation; ////  
//// either version 2.1 of the License, or (at your option) any ////  
//// later version. ////

```
////
////                                     ////
//// This source is distributed in the hope that it will be   ////
//// useful, but WITHOUT ANY WARRANTY; without even the implied ////
//// warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR  ////
//// PURPOSE. See the GNU Lesser General Public License for more ////
//// details.   ////
////                                     ////
//// You should have received a copy of the GNU Lesser General ////
//// Public License along with this source; if not, download it ////
//// from http://www.opencores.org/lgpl.shtml      ////
////                                     ////
////                                     ////
////                                     ////
////                                     ////
```

opencores-usb2.0 version 1.6

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

```
////                                     ////
////                                     ////
//// Copyright (C) 2000-2003 Rudolf Usselmann                 ////
//// www.asics.ws   ////
//// rudi@asics.ws   ////
////                                     ////
//// This source file may be used and distributed without     ////
//// restriction provided that this copyright statement is not ////
//// removed from the file and that any derivative work contains ////
//// the original copyright notice and the associated disclaimer.////
////                                     ////
//// THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY     ////
//// EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED ////
//// TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS ////
//// FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE AUTHOR   ////
//// OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,     ////
//// INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES ////
//// (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE ////
//// GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR   ////
//// BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF ////
//// LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT ////
//// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT ////
//// OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE     ////
//// POSSIBILITY OF SUCH DAMAGE.                             ////
////                                     ////
////                                     ////
////                                     ////
```

Copyright 2009-2014 Xilinx Inc

opencores-wb\_conmax version 1.2  
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>>

```

///
///  ///
/// Copyright (C) 2000-2002 Rudolf Usselmann          ///
///          www.asics.ws                               ///
///          rudi@asics.ws                             ///
///  ///
/// This source file may be used and distributed without  ///
/// restriction provided that this copyright statement is not  ///
/// removed from the file and that any derivative work contains  ///
/// the original copyright notice and the associated disclaimer.///
///  ///
/// THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY  ///
/// EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED  ///
/// TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS  ///
/// FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE AUTHOR  ///
/// OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,  ///
/// INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  ///
/// (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE  ///
/// GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR  ///
/// BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF  ///
/// LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  ///
/// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT  ///
/// OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE  ///
/// POSSIBILITY OF SUCH DAMAGE.                        ///
///  ///
///

```

Copyright 2000-2002 Rudolf Usselmann www.asics.ws rudi@asics.ws  
Copyright 2011-2014 Xilinx Inc

Software License Agreement (BSD License)  
=====

Copyright (c) 2015, Xilinx Inc. and Contributors. All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,  
this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,  
this list of conditions and the following disclaimer in the documentation  
and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used

to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

openmpi version 1.8.4

<<<<<<<<<xilinx-separator>>>>>>>>>

Most files in this release are marked with the copyrights of the organizations who have edited them. The copyrights below are in no particular order and generally reflect members of the Open MPI core team who have contributed code to this release. The copyrights for code used under license from other parties are included in the corresponding files.

Copyright (c) 2004-2010 The Trustees of Indiana University and Indiana University Research and Technology Corporation. All rights reserved.

Copyright (c) 2004-2010 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2004-2010 High Performance Computing Center Stuttgart, University of Stuttgart. All rights reserved.

Copyright (c) 2004-2008 The Regents of the University of California. All rights reserved.

Copyright (c) 2006-2010 Los Alamos National Security, LLC. All rights reserved.

Copyright (c) 2006-2010 Cisco Systems, Inc. All rights reserved.

Copyright (c) 2006-2010 Voltaire, Inc. All rights reserved.

Copyright (c) 2006-2011 Sandia National Laboratories. All rights reserved.

Copyright (c) 2006-2010 Sun Microsystems, Inc. All rights reserved.  
Use is subject to license terms.

Copyright (c) 2006-2010 The University of Houston. All rights reserved.

Copyright (c) 2006-2009 Myricom, Inc. All rights reserved.

Copyright (c) 2007-2008 UT-Battelle, LLC. All rights reserved.

Copyright (c) 2007-2010 IBM Corporation. All rights reserved.

Copyright (c) 1998-2005 Forschungszentrum Juelich, Juelich Supercomputing Centre, Federal Republic of Germany

Copyright (c) 2005-2008 ZIH, TU Dresden, Federal Republic of Germany

Copyright (c) 2007 Evergrid, Inc. All rights reserved.

Copyright (c) 2008 Chelsio, Inc. All rights reserved.

Copyright (c) 2008-2009 Institut National de Recherche en Informatique. All rights reserved.



Copyright (c) 2007 Lawrence Livermore National Security, LLC.  
All rights reserved.

Copyright (c) 2007-2009 Mellanox Technologies. All rights reserved.

Copyright (c) 2006-2010 QLogic Corporation. All rights reserved.

Copyright (c) 2008-2010 Oak Ridge National Labs. All rights reserved.

Copyright (c) 2006-2010 Oracle and/or its affiliates. All rights reserved.

Copyright (c) 2009 Bull SAS. All rights reserved.

Copyright (c) 2010 ARM ltd. All rights reserved.

Copyright (c) 2010-2011 Alex Brick <bricka@ccs.neu.edu>. All rights reserved.

Copyright (c) 2013-2014 Intel, Inc. All rights reserved.

Copyright (c) 2011-2014 NVIDIA Corporation. All rights reserved.

## \$COPYRIGHT\$

Additional copyrights may follow

## \$HEADERS\$

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed in this license in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against recipient by any third party for infringement of that parties intellectual property rights.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.





\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,  
\* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED  
\* OF THE POSSIBILITY OF SUCH DAMAGE.

\* =====

\* This product includes cryptographic software written by Eric Young  
\* (eay@cryptsoft.com). This product includes software written by Tim  
\* Hudson (tjh@cryptsoft.com).

\*/

## Original SSLeay License

-----

/\* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)  
\* All rights reserved.  
\*  
\* This package is an SSL implementation written  
\* by Eric Young (eay@cryptsoft.com).  
\* The implementation was written so as to conform with Netscapes SSL.  
\*  
\* This library is free for commercial and non-commercial use as long as  
\* the following conditions are aheared to. The following conditions  
\* apply to all code found in this distribution, be it the RC4, RSA,  
\* lhash, DES, etc., code; not just the SSL code. The SSL documentation  
\* included with this distribution is covered by the same copyright terms  
\* except that the holder is Tim Hudson (tjh@cryptsoft.com).  
\*  
\* Copyright remains Eric Young's, and as such any Copyright notices in  
\* the code are not to be removed.  
\* If this package is used in a product, Eric Young should be given attribution  
\* as the author of the parts of the library used.  
\* This can be in the form of a textual message at program startup or  
\* in documentation (online or textual) provided with the package.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:  
\* 1. Redistributions of source code must retain the copyright  
\* notice, this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.  
\* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:  
\* "This product includes cryptographic software written by  
\* Eric Young (eay@cryptsoft.com)"  
\* The word 'cryptographic' can be left out if the rouines from the library  
\* being used are not cryptographic related :-).  
\* 4. If you include any Windows specific code (or a derivative thereof) from  
\* the apps directory (application code) you must include an acknowledgement:  
\* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"  
\*  
\* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS" AND

\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*  
\* The licence and distribution terms for any publically available version or  
\* derivative of this code cannot be changed. i.e. this code cannot simply be  
\* copied and put under another distribution licence  
\* [including the GNU Public Licence.]

\*/

Copyright Copyright 1998-2005 The OpenSSL Project. Copyright 1995-1998 Eric A. Young Tim J. Hudson. All rights reserved.

openssl version 1.1.1b

<<<<<<<<<xilinx-separator>>>>>>>>>>>>

## LICENSE ISSUES

=====

The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

### OpenSSL License

-----

/\* =====

\* Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\*

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in  
\* the documentation and/or other materials provided with the  
\* distribution.

\*

\* 3. All advertising materials mentioning features or use of this  
\* software must display the following acknowledgment:  
\* "This product includes software developed by the OpenSSL Project  
\* for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

\*  
 \* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to  
 \* endorse or promote products derived from this software without  
 \* prior written permission. For written permission, please contact  
 \* openssl-core@openssl.org.  
 \*  
 \* 5. Products derived from this software may not be called "OpenSSL"  
 \* nor may "OpenSSL" appear in their names without prior written  
 \* permission of the OpenSSL Project.  
 \*  
 \* 6. Redistributions of any form whatsoever must retain the following  
 \* acknowledgment:  
 \* "This product includes software developed by the OpenSSL Project  
 \* for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"  
 \*  
 \* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS" AND ANY  
 \* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
 \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
 \* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR  
 \* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
 \* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT  
 \* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
 \* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
 \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,  
 \* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
 \* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED  
 \* OF THE POSSIBILITY OF SUCH DAMAGE.  
 \* =====  
 \*  
 \* This product includes cryptographic software written by Eric Young  
 \* (eay@cryptsoft.com). This product includes software written by Tim  
 \* Hudson (tjh@cryptsoft.com).  
 \*  
 \*/

Original SSLeay License  
 -----

/\* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)  
 \* All rights reserved.  
 \*  
 \* This package is an SSL implementation written  
 \* by Eric Young (eay@cryptsoft.com).  
 \* The implementation was written so as to conform with Netscapes SSL.  
 \*  
 \* This library is free for commercial and non-commercial use as long as  
 \* the following conditions are aheared to. The following conditions  
 \* apply to all code found in this distribution, be it the RC4, RSA,  
 \* lhash, DES, etc., code; not just the SSL code. The SSL documentation  
 \* included with this distribution is covered by the same copyright terms  
 \* except that the holder is Tim Hudson (tjh@cryptsoft.com).  
 \*  
 \* Copyright remains Eric Young's, and as such any Copyright notices in  
 \* the code are not to be removed.  
 \* If this package is used in a product, Eric Young should be given attribution  
 \* as the author of the parts of the library used.

\* This can be in the form of a textual message at program startup or  
\* in documentation (online or textual) provided with the package.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:  
\* 1. Redistributions of source code must retain the copyright  
\* notice, this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.  
\* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:  
\* "This product includes cryptographic software written by  
\* Eric Young (eay@cryptsoft.com)"  
\* The word 'cryptographic' can be left out if the routines from the library  
\* being used are not cryptographic related :-).  
\* 4. If you include any Windows specific code (or a derivative thereof) from  
\* the apps directory (application code) you must include an acknowledgement:  
\* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"  
\*  
\* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.  
\*  
\* The licence and distribution terms for any publically available version or  
\* derivative of this code cannot be changed. i.e. this code cannot simply be  
\* copied and put under another distribution licence  
\* [including the GNU Public Licence.]  
\*/

Copyright (c) 2004 EdelKey Project. All Rights Reserved.  
Copyright 2006 Network Resonance Inc  
Copyright 1995-2019 The OpenSSL Project Authors  
Copyright 2007 KISA  
Copyright 2011 RTFM Inc  
Copyright 2002 Oracle and or its affiliates  
Copyright 2005 Nokia

pandas version 0.23.4  
<<<<<<<<<xilinx-separator>>>>>>>>>

Copyright (c) 2013, Lev Givon.  
All rights reserved.









```
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
# NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
# LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
# OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
# WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
```

```
>>> vendor/charset
```

```
##### BEGIN LICENSE BLOCK #####
# The Original Code is Mozilla Universal charset detector code.
#
# The Initial Developer of the Original Code is
# Netscape Communications Corporation.
# Portions created by the Initial Developer are Copyright (C) 2001
# the Initial Developer. All Rights Reserved.
#
# Contributor(s):
# Mark Pilgrim - port to Python
# Shy Shalom - original C code
# Proofpoint, Inc.
#
# This library is free software; you can redistribute it and/or
# modify it under the terms of the GNU Lesser General Public
# License as published by the Free Software Foundation; either
# version 2.1 of the License, or (at your option) any later version.
#
# This library is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# Lesser General Public License for more details.
#
# You should have received a copy of the GNU Lesser General Public
# License along with this library; if not, write to the Free Software
# Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
# 02110-1301 USA
##### END LICENSE BLOCK #####
```

```
>>>> vendor/packaging
```

```
# This file is dual licensed under the terms of the Apache License, Version
# 2.0, and the BSD License. See the LICENSE file in the root of this repository
# for complete details.
```

```
>>>> vendor/pep517
```

```
# Copyright 2012 Facebook
#
# Licensed under the Apache License, Version 2.0 (the "License"); you may
# not use this file except in compliance with the License. You may obtain
# a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
# WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
# License for the specific language governing permissions and limitations
```

# under the License.

```
>>> distro.py, retrying.py
# Copyright 2015,2016,2017 Nir Cohen
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
```

```
>>> tarfile.py
"""
# Copyright (c) 2008-2016 The pip developers (see AUTHORS.txt file)
#
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
# NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
# LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
# OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
# WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
```

```
>>> vendor/chardet
##### BEGIN LICENSE BLOCK #####
# The Original Code is Mozilla Universal charset detector code.
#
# The Initial Developer of the Original Code is
# Netscape Communications Corporation.
# Portions created by the Initial Developer are Copyright (C) 2001
# the Initial Developer. All Rights Reserved.
#
# Contributor(s):
# Mark Pilgrim - port to Python
# Shy Shalom - original C code
# Proofpoint, Inc.
#
# This library is free software; you can redistribute it and/or
# modify it under the terms of the GNU Lesser General Public
```

```
# License as published by the Free Software Foundation; either
# version 2.1 of the License, or (at your option) any later version.
#
# This library is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
# Lesser General Public License for more details.
#
# You should have received a copy of the GNU Lesser General Public
# License along with this library; if not, write to the Free Software
# Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
# 02110-1301 USA
##### END LICENSE BLOCK #####
```

```
>>>> vendor/packaging
```

```
# This file is dual licensed under the terms of the Apache License, Version
# 2.0, and the BSD License. See the LICENSE file in the root of this repository
# for complete details.
```

```
>>>> vendor/pep517
```

```
# Copyright 2012 Facebook
#
# Licensed under the Apache License, Version 2.0 (the "License"); you may
# not use this file except in compliance with the License. You may obtain
# a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
# WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
# License for the specific language governing permissions and limitations
# under the License.
```

```
>>>> distro.py, retrying.py
```

```
# Copyright 2015,2016,2017 Nir Cohen
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
```

```
>>>>
```

```
# module pyparsing.py
#
# Copyright (c) 2003-2019 Paul T. McGuire
#
```

# Permission is hereby granted, free of charge, to any person obtaining  
# a copy of this software and associated documentation files (the  
# "Software"), to deal in the Software without restriction, including  
# without limitation the rights to use, copy, modify, merge, publish,  
# distribute, sublicense, and/or sell copies of the Software, and to  
# permit persons to whom the Software is furnished to do so, subject to  
# the following conditions:

#  
# The above copyright notice and this permission notice shall be  
# included in all copies or substantial portions of the Software.

#  
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.  
# IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY  
# CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,  
# TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE  
# SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#

>>>>

# Copyright (c) 2010-2018 Benjamin Peterson

#

# Permission is hereby granted, free of charge, to any person obtaining a copy  
# of this software and associated documentation files (the "Software"), to deal  
# in the Software without restriction, including without limitation the rights  
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
# copies of the Software, and to permit persons to whom the Software is  
# furnished to do so, subject to the following conditions:

#

# The above copyright notice and this permission notice shall be included in all  
# copies or substantial portions of the Software.

#

# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
# FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE  
# AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
# LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
# OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
# SOFTWARE.

Copyright 2007 Google Inc

Copyright 2013-2014 Ray Holder

Copyright 2015-2017 Nir Cohen

Copyright 2012 Simon Sapin license BSD

Copyright 2010-2018 Benjamin Peterson

Copyright 2017 Kenneth Reitz. license Apache

Copyright 2005-2010 ActiveState Software Inc

Copyright 2005 OIStE Foundation Endorsed Subject CN

Copyright 2008-2019 The pip developers

Copyright 2012 Giorgos Verigakis <verigak@gmail.com>

Copyright 2018 Kenneth Reitz

Copyright 2005 OIStE Foundation Endorsed Label OIStE WISeKey Global Root GA CA Serial

Copyright 2002 Lars Gustaebel <lars@gustaebel.de>



















a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

- (2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

## B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

### PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

-----

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.
3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.
4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any

relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

## BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

-----

### BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee



agrees to be bound by the terms and conditions of this License Agreement.

## CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

-----

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".
3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.
4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions.

Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

## CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

-----

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

### Additional Conditions for this Windows binary build

-----

This program is linked with and uses Microsoft Distributable Code, copyrighted by Microsoft Corporation. The Microsoft Distributable Code includes the following files:

msvcr90.dll  
msvcp90.dll  
msvcm90.dll

If you further distribute programs that include the Microsoft Distributable Code, you must comply with the restrictions on

distribution specified by Microsoft. In particular, you must require distributors and external end users to agree to terms that protect the Microsoft Distributable Code at least as much as Microsoft's own requirements for the Distributable Code. See Microsoft's documentation (included in its developer tools and on its website at microsoft.com) for specific details.

Redistribution of the Windows binary build of the Python interpreter complies with this agreement, provided that you do not:

- alter any copyright, trademark or patent notice in Microsoft's Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- distribute Microsoft's Distributable Code to run on a platform other than Microsoft operating systems, run-time technologies or application platforms; or
- include Microsoft Distributable Code in malicious, deceptive or unlawful programs.

These restrictions apply only to the Microsoft Distributable Code as defined above, not to Python itself or any programs running on the Python interpreter. The redistribution of the Python interpreter and libraries is governed by the Python Software License included with this file, or by other licenses as marked.

This copy of Python includes a copy of bzip2, which is licensed under the following terms:

-----

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written

permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

-----  
This copy of Python includes a copy of Berkeley DB, which is licensed under the following terms:

```
/*-
 * $Id: LICENSE,v 12.9 2008/02/07 17:12:17 mark Exp $
 */
```

The following is the license that applies to this copy of the Berkeley DB software. For a license to use the Berkeley DB software under conditions other than those described here, or to purchase support for this software, please contact Oracle at [berkeleydb-info\\_us@oracle.com](mailto:berkeleydb-info_us@oracle.com).

```
=====  
/*  
 * Copyright (c) 1990,2008 Oracle. All rights reserved.  
 *  
 * Redistribution and use in source and binary forms, with or without  
 * modification, are permitted provided that the following conditions  
 * are met:  
 * 1. Redistributions of source code must retain the above copyright  
 * notice, this list of conditions and the following disclaimer.  
 * 2. Redistributions in binary form must reproduce the above copyright  
 * notice, this list of conditions and the following disclaimer in the  
 * documentation and/or other materials provided with the distribution.  
 * 3. Redistributions in any form must be accompanied by information on  
 * how to obtain complete source code for the DB software and any  
 * accompanying software that uses the DB software. The source code  
 * must either be included in the distribution or be available for no  
 * more than the cost of distribution plus a nominal fee, and must be  
 * freely redistributable under reasonable conditions. For an  
 * executable file, complete source code means the source code for all  
 * modules it contains. It does not include source code for modules or  
 * files that typically accompany the major components of the operating  
 * system on which the executable file runs.  
 *  
 * THIS SOFTWARE IS PROVIDED BY ORACLE ``AS IS" AND ANY EXPRESS OR  
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
 * WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR
```

\* NON-INFRINGEMENT, ARE DISCLAIMED. IN NO EVENT SHALL ORACLE BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR  
\* BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,  
\* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE  
\* OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN  
\* IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

/\*

\* Copyright (c) 1990, 1993, 1994, 1995  
\* The Regents of the University of California. All rights reserved.

\*/

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the University nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\*/

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*/

/\*

\* Copyright (c) 1995, 1996  
\* The President and Fellows of Harvard University. All rights reserved.

\*/

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the University nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\*/

\* THIS SOFTWARE IS PROVIDED BY HARVARD AND ITS CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

\* ARE DISCLAIMED. IN NO EVENT SHALL HARVARD OR ITS CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.  
\*/

=====  
/\*\*\*

\* ASM: a very small and fast Java bytecode manipulation framework  
\* Copyright (c) 2000-2005 INRIA, France Telecom  
\* All rights reserved.  
\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the copyright holders nor the names of its  
\* contributors may be used to endorse or promote products derived from  
\* this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"  
\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE  
\* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF  
\* THE POSSIBILITY OF SUCH DAMAGE.  
\*/

This copy of Python includes a copy of openssl, which is licensed under the following terms:

## LICENSE ISSUES

=====

The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

## OpenSSL License

-----

/\* =====

\* Copyright (c) 1998-2018 The OpenSSL Project. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\*

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in  
\* the documentation and/or other materials provided with the  
\* distribution.

\*

\* 3. All advertising materials mentioning features or use of this  
\* software must display the following acknowledgment:  
\* "This product includes software developed by the OpenSSL Project  
\* for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

\*

\* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to  
\* endorse or promote products derived from this software without  
\* prior written permission. For written permission, please contact  
\* [openssl-core@openssl.org](mailto:openssl-core@openssl.org).

\*

\* 5. Products derived from this software may not be called "OpenSSL"  
\* nor may "OpenSSL" appear in their names without prior written  
\* permission of the OpenSSL Project.

\*

\* 6. Redistributions of any form whatsoever must retain the following  
\* acknowledgment:  
\* "This product includes software developed by the OpenSSL Project  
\* for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

\*

\* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS" AND ANY  
\* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
\* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR  
\* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT  
\* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,  
\* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED  
\* OF THE POSSIBILITY OF SUCH DAMAGE.

\* =====

\*

\* This product includes cryptographic software written by Eric Young  
\* ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)). This product includes software written by Tim  
\* Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com)).

\*

\*/

Original SSLeay License

-----

```
/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
 * All rights reserved.
 *
 * This package is an SSL implementation written
 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscapes SSL.
 *
 * This library is free for commercial and non-commercial use as long as
 * the following conditions are aheared to. The following conditions
 * apply to all code found in this distribution, be it the RC4, RSA,
 * lhash, DES, etc., code; not just the SSL code. The SSL documentation
 * included with this distribution is covered by the same copyright terms
 * except that the holder is Tim Hudson (tjh@cryptsoft.com).
 *
 * Copyright remains Eric Young's, and as such any Copyright notices in
 * the code are not to be removed.
 * If this package is used in a product, Eric Young should be given attribution
 * as the author of the parts of the library used.
 * This can be in the form of a textual message at program startup or
 * in documentation (online or textual) provided with the package.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgement:
 * "This product includes cryptographic software written by
 * Eric Young (eay@cryptsoft.com)"
 * The word 'cryptographic' can be left out if the rouines from the library
 * being used are not cryptographic related :-).
 * 4. If you include any Windows specific code (or a derivative thereof) from
 * the apps directory (application code) you must include an acknowledgement:
 * "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
 *
 * THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS" AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
 * The licence and distribution terms for any publically available version or
 * derivative of this code cannot be changed. i.e. this code cannot simply be
 * copied and put under another distribution licence
 * [including the GNU Public Licence.]
 */
```



This copy of Python includes a copy of Tcl, which is licensed under the following terms:

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

**IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

**THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.**

**GOVERNMENT USE:** If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (b) (3) of DFARS. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

This copy of Python includes a copy of Tk, which is licensed under the following terms:

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement,

license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (b) (3) of DFARS. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

This copy of Python includes a copy of Tix, which is licensed under the following terms:

Copyright (c) 1993-1999 Ioi Kim Lam.  
Copyright (c) 2000-2001 Tix Project Group.  
Copyright (c) 2004 ActiveState

This software is copyrighted by the above entities and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

-----  
Parts of this software are based on the Tcl/Tk software copyrighted by the Regents of the University of California, Sun Microsystems, Inc., and other parties. The original license terms of the Tcl/Tk software distribution is included in the file docs/license.tcltk.

Parts of this software are based on the HTML Library software copyrighted by Sun Microsystems, Inc. The original license terms of the HTML Library software distribution is included in the file docs/license.html\_lib.

>>>  
HelpFormattert

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause

252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

-----  
Parts of this software are based on the Tcl/TkER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
>>>> profile.py, pstats.py
# Copyright Disney Enterprises, Inc. All Rights Reserved.
# Licensed to PSF under a Contributor Agreement
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND,
# either express or implied. See the License for the specific language
# governing permissions and limitations under the License.
```

```
>>>>
## Copyright 2013-2014 Ray Holder
##
## Licensed under the Apache License, Version 2.0 (the "License");
## you may not use this file except in compliance with the License.
## You may obtain a copy of the License at
##
## http://www.apache.org/licenses/LICENSE-2.0
##
## Unless required by applicable law or agreed to in writing, software
## distributed under the License is distributed on an "AS IS" BASIS,
## WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
## See the License for the specific language governing permissions and
## limitations under the License.
```

```
>>>>>
# Copyright 2007 Google Inc.
# Licensed to PSF under a Contributor Agreement.
```

```
>>>> six 1.10
# Copyright (c) 2010-2015 Benjamin Peterson
#
# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to deal
# in the Software without restriction, including without limitation the rights
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the Software is
# furnished to do so, subject to the following conditions:
```

```
#
# The above copyright notice and this permission notice shall be included in all
# copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
# AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
# LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
# OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
# SOFTWARE.
```

```
>>>> pyparsing 2.2.1
```

```
#
# Copyright (c) 2003-2018 Paul T. McGuire
#
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
```

```
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
# IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
# CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
# TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
# SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
```

```
#
```

```
>>>>>
```

```
Copyright (C) 2016 Jason R Coombs <jaraco@jaraco.com>
```

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

## SOFTWARE.

>>>> pip 18.1

Copyright (c) 2008-2018 The pip developers (see AUTHORS.txt file)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>> Chardet

Copyright (c) 2001-2006 Gregory P. Ward. All rights reserved.

Copyright (c) 2002-2006 Python Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>>  
# This file is dual licensed under the terms of the Apache License, Version  
# 2.0, and the BSD License. See the LICENSE file in the root of this repository  
# for complete details.

>>>>  
# Copyright (c) 2001-2006 Twisted Matrix Laboratories.  
#  
# Permission is hereby granted, free of charge, to any person obtaining  
# a copy of this software and associated documentation files (the  
# "Software"), to deal in the Software without restriction, including  
# without limitation the rights to use, copy, modify, merge, publish,  
# distribute, sublicense, and/or sell copies of the Software, and to  
# permit persons to whom the Software is furnished to do so, subject to  
# the following conditions:  
#  
# The above copyright notice and this permission notice shall be  
# included in all copies or substantial portions of the Software.  
#  
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND  
# NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE  
# LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION  
# OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION  
# WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

>>>>  
X Window System License - X11R6.4

Copyright (c) 1998 The Open Group

Permission is hereby granted, free of charge, to any person obtaining  
a copy of this software and associated documentation files (the  
"Software"), to deal in the Software without restriction, including  
without limitation the rights to use, copy, modify, merge, publish,  
distribute, sublicense, and/or sell copies of the Software, and to  
permit persons to whom the Software is furnished to do so, subject to  
the following conditions:

The above copyright notice and this permission notice shall be  
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,  
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF  
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.  
IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR  
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,  
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR  
OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall  
not be used in advertising or otherwise to promote the sale, use or  
other dealings in this Software without prior written authorization  
from The Open Group.

X Window System is a trademark of The Open Group

```
>>>>
# Copyright (C) 2002 Lars Gust?bel <lars@gustaebel.de>
# All rights reserved.
#
# Permission is hereby granted, free of charge, to any person
# obtaining a copy of this software and associated documentation
# files (the "Software"), to deal in the Software without
# restriction, including without limitation the rights to use,
# copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the
# Software is furnished to do so, subject to the following
# conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES
# OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
# NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT
# HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
# WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
# FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
# OTHER DEALINGS IN THE SOFTWARE.
#
```

```
>>>> tests
- Copyright (c) IBM Corporation, 1981, 2008. All rights reserved. --
-----
-- Please see the document "General Decimal Arithmetic Testcases" --
-- at http://www2.hursley.ibm.com/decimal for the description of --
-- these testcases. --
-- --
-- These testcases are experimental ('beta' versions), and they --
-- may contain errors. They are offered on an as-is basis. In --
-- particular, achieving the same results as the tests here is not --
-- a guarantee that an implementation complies with any Standard --
-- or specification. The tests are not exhaustive. --
-- --
-- Please send comments, suggestions, and corrections to the author: --
-- Mike Cowlshaw, IBM Fellow --
-- IBM UK, PO Box 31, Birmingham Road, Warwick CV34 5JL, UK --
-- mfc@uk.ibm.com --
-----
```

version: 2.59

```
>>>> tix 8.4.3
```

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute,



and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

>>>>

# Copyright 2001-2013 by Vinay Sajip. All Rights Reserved.

#

# Permission to use, copy, modify, and distribute this software and its  
# documentation for any purpose and without fee is hereby granted,  
# provided that the above copyright notice appear in all copies and that  
# both that copyright notice and this permission notice appear in  
# supporting documentation, and that the name of Vinay Sajip  
# not be used in advertising or publicity pertaining to distribution  
# of the software without specific, written prior permission.

# VINAY SAJIP DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING  
# ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL  
# VINAY SAJIP BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR  
# ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER  
# IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT  
# OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

>>>>

# Copyright (c) 2006-2008, R Oudkerk

# All rights reserved.

#

# Redistribution and use in source and binary forms, with or without  
# modification, are permitted provided that the following conditions  
# are met:

#

# 1. Redistributions of source code must retain the above copyright  
# notice, this list of conditions and the following disclaimer.  
# 2. Redistributions in binary form must reproduce the above copyright  
# notice, this list of conditions and the following disclaimer in the  
# documentation and/or other materials provided with the distribution.  
# 3. Neither the name of author nor the names of any contributors may be  
# used to endorse or promote products derived from this software  
# without specific prior written permission.

#

# THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND  
# ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
# ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE  
# FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
# DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
# OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
# LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
# OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
# SUCH DAMAGE.

#

>>>>

:copyright: Copyright 2012 by Simon Sapin

:license: BSD, see LICENSE for details.

Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (b) (3) of DFARS. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

```
>>>>
# Copyright (C) 2000, 2001 by Autonomous Zone Industries
# Copyright (C) 2002 Gregory P. Smith
#
# License: This is free software. You may use this software for any
# purpose including modification/redistribution, so long as
# this header remains intact and that you do not claim any
# rights of ownership or authorship of this software. This
# software has been tested, but no warranty is expressed or
# implied.
#
# -- Gregory P. Smith <greg@krypto.org>
```

```
>>>>>
#!/bin/sh
#
# install - install a program, script, or datafile
#
# This originates from X11R5 (mit/util/scripts/install.sh), which was
# later released in X11R6 (xc/config/util/install.sh) with the
# following copyright and license.
#
# Copyright (C) 1994 X Consortium
#
# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to
```

```
# deal in the Software without restriction, including without limitation the
# rights to use, copy, modify, merge, publish, distribute, sublicense, and/or
# sell copies of the Software, and to permit persons to whom the Software is
# furnished to do so, subject to the following conditions:
#
# The above copyright notice and this permission notice shall be included in
# all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
# X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
# AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNEC-
# TION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
#
# Except as contained in this notice, the name of the X Consortium shall not
# be used in advertising or otherwise to promote the sale, use or other deal-
# ings in this Software without prior written authorization from the X Consor-
# tium.
#
# FSF changes to this file are in the public domain.
#
# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
# from scratch. It can only install one file at a time, a restriction
# shared with many OS's install programs.
```

Copyright 2004 ActiveState

Copyright 2004-2007 Kevin B. Kenny

Copyright 1999-2000 Marc-Andre Lemburg <mailto:mal@lemburg.com>

Copyright 2003-2005 Peter Astrand [<astrand@lysator.liu.se>](mailto:astrand@lysator.liu.se)

Copyright 2001-2006 Python Software Foundation Author Ben Gertzfield Contact [email-sig@python.org](mailto:email-sig@python.org)

Copyright 1995-2017 Mark Adler

Copyright (c) 1998 by Scitpics Corporation.

Copyright 2001-2017 Vinay Sajip

Copyright 1998 D. J. Hagberg Jr. and Global Atmospheric Inc.

Copyright (c) 1998 The Open Group

Copyright 2001-2006 Python Software Foundation Author Keith Dart Contact [email-sig@python.org](mailto:email-sig@python.org)

Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands

Copyright (c) 2000-2005 INRIA France Telecom All rights reserved.

Copyright 1994-1996 Expert Interface Technologies

Copyright 1995-2017 Jean-loup Gailly and Mark Adler

Copyright 1994 Lance Ellinghouse Cathedral City California Republic United States of America

Copyright 2001-2006 Python Software Foundation Author Barry Warsaw Thomas Wouters Anthony Baxter Contact [email-sig@python.org](mailto:email-sig@python.org)

Copyright 2001-2006 Python Software Foundation Author Ben Gertzfield Barry Warsaw Contact [email-sig@python.org](mailto:email-sig@python.org)

Copyright 2008-2018 The pip developers

Copyright 1990-1995 Stichting Mathematisch Centrum

Copyright 2000 Mojam Media Inc

Copyright 1994-1998 Sun Microsystems Inc  
Copyright 1997-2001 Total Control Software  
pot\_header = \_(" SOME DESCRIPTIVE TITLE. Copyright (C) YEAR ORGANIZATION FIRST AUTHOR  
<EMAIL@ADDRESS> YEAR.  
Copyright 2012 Facebook  
Copyright 1997, 1999-2009 Fredrik Lundh  
Copyright 2001-2006 Twisted Matrix Laboratories  
Copyright 2000-2001 Autonomous Zone Industries  
Copyright (c) 2005 OISTE Foundation Endorsed Label OISTE WISEKey Global Root GA CA Serial  
Copyright 2002 Python Software Foundation email package unit tests for  
Copyright 2002 Lars Gust  
Copyright 2002-2006 Python Software Foundation Contact email-sig@python.org email package unit tests for  
Copyright 1990-1996 The Regents of the University of California  
Copyright 2001 Autonomous Zones Industries Inc  
copyright (C) 1996-2010 Julian R Seward. All rights reserved.  
Copyright 1995-2001 Corp for National Research Initiatives  
Copyright 1993-1999 Ioi Kim Lam  
Copyright 2005-2010 ActiveState Software Inc  
Copyright (c) 2002 ActiveState Corporation.  
Copyright 2016 Jason R Coombs <jaraco@jaraco.com>  
Copyright (c) 2004 Joe English  
Copyright 2004-2005 Elemental Security Inc  
Copyright 2001-2002 Python Software Foundation csv package unit tests  
Copyright (c) 2000 by Ajuba Solutions Contributions from Don Porter NIST  
Copyright (C) 1994 X Consortium  
Copyright (c) 2005 OISTE Foundation Endorsed Subject CN  
Copyright 1998, 2001, 2005 the Initial Developer  
Copyright 2018 Kenneth Reitzu  
Copyright 2013 Eddy Petrior  
Copyright 1999-2001 Digital Creations Fredericksburg VA USA and Andrew Kuchling  
Copyright 2009 Raymond Hettinger released under the MIT License. http code.activestate.com recipes  
Copyright 2012 Kenneth Reitz. license Apache2  
Copyright 2000 Timothy O'Malley <timo@alum.mit.edu>  
Copyright 2006-2007 Georg Brandl  
Copyright 2001-2006 Python Software Foundation Author Anthony Baxter Contact email-sig@python.org  
Copyright 1987-1994 Adobe Systems Inc  
Copyright 2013-2014 Ray Holder  
Copyright (c) 1999-2000 Jeffrey Hobbs  
Copyright 1998-2000 Ajuba Solutions  
Copyright 2012 Simon Sapin license BSD  
Copyright 2005 Ian Bicking and contributors written for Paste  
Copyright 2000 Guido van Rossum  
Copyright 2002 Gregory P. Smith  
Copyright 1996 Sam Rushing  
Copyright 1981, 2000-2001, 2003-2005, 2008-2009 IBM Corp  
This program is linked with and uses Microsoft Distributable Code copyrighted by Microsoft Corporation. The Microsoft  
Distributable Code includes the following files  
Copyright 2006-2007 Google Inc  
Copyright 2012 Giorgos Verigakis <verigak@gmail.com>  
Copyright (C) 2005 Martin  
Copyright (c) 1995 1996 The President and Fellows of Harvard University. All rights reserved.  
Copyright 2012-2017 The Python Software Foundation  
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam  
Copyright (c) 2008 by Christian Heimes <christian@cheimes.de> Licensed to PSF under  
Copyright 2004, 2008 Pat Thoyts <patthoyts@users.sourceforge.net>  
Copyright 2000-2010 eGenix.com Software GmbH mailto info@egenix.com



Reserved  
Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam,  
The Netherlands  
Copyright (C) 1992-1996, 1998-2012 Free Software  
Foundation, Inc.  
Copyright  
(C) 1994 X Consortium  
Copyright (c) 2004 by Fredrik  
Lundh <fredrik@pythonware.com> Copyright (c) 2004 by Secret Labs AB,  
<http://www.pythonware.com> Copyright (c) 2004 by Peter Astrand  
<astrand@lysator.liu.se  
Copyright (c) 1999 Toby Dickenson  
Copyright (C) 2005 Martin v. Löwis  
Copyright (c) 1996. \| The Regents of the University of California  
Copyright (c) 1993 George V. Neville-Neil  
Copyright 1994 by Lance Ellinghouse  
Copyright (C) 1999, 2000, 2002 Aladdin Enterprises  
Copyright (c) 2002 Gustavo Niemeyer

Copyright (C) 2005  
Gregory P. Smith  
Copyright (C) 1995, 1996, 1997, 1998, and 1999 WIDE Project  
Copyright 1995-1996 by Fred L. Drake, Jr. and Virginia  
Polytechnic Institute and State University  
Copyright (c) 1999-2001, Digital Creations  
Copyright (c) 2000, BeOpen.com  
Copyright 2000, Clark Cooper  
Copyright (c) 1998, 1999 Thai Open Source Software Center Ltd  
Copyright (c) 2005-2006 ActiveState Software Inc.  
Copyright (C) 2006-2010 Gerhard Häring  
Copyright (C) 2003-2004 Federico Di Gregorio  
Copyright (c) 1996, 1998 Red Hat, Inc.  
Copyright (c) 2001  
John Beniton Copyright (c) 2002 Ranjit Mathew  
Copyright (c) 2002 Bo Thorsen Copyright (c) 2002 Roger Sayle  
Copyright (c) 2011, 2012 Anthony Green  
Copyright (c) 1998 Geoffrey Keating  
Copyright (C) 2001 John  
Hornkvist  
Copyright (c) 2010, Plausible Labs Cooperative, Inc.  
Copyright (c) 2011 Timothy Wall  
Copyright (c) 2002-2008, 2012 Kaz Kojima  
Copyright (c) 2000, 2007 Software AG  
Copyright (c) 2013 Imagination Technologies  
Copyright (c) 2009 Bradley Smith  
Copyright (c) 2012, 2013 Xilinx, Inc  
Copyright (c) 2004 Renesas Technology  
Copyright (c) 1998 Cygnus Solutions Copyright (c) 2004 Simon Posnjak  
Copyright (c) 2005 Axis Communications AB  
Copyright (c) 2008 David Daney  
Copyright (c) 2013 Tensilica, Inc.  
(c) 2003-2004 Randolph Chung  
Copyright (c) 2013 The Written Word, Inc.  
Copyright (c) 2002 Roger  
Sayle  
Copyright (c) 2000 Hewlett Packard Company



In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

## B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

-----



1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

## BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

-----

## BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated

documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

#### CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

-----

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c)

1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

## CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

-----

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

```
>>> License file found in the Doc/  
.. highlightlang:: none
```

```
.. _history-and-license:
```

```
*****
```

```
History and License
```

```
*****
```

```
History of the software
```

```
=====
```

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us/>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see <http://www.zope.com/>). In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <https://opensource.org/> for the Open Source Definition). Historically, most, but not all, Python releases have also

been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL compatible? |
|----------------|--------------|-----------|------------|-----------------|
| 0.9.0 thru 1.2 | n/a          | 1991-1995 | CWI        | yes             |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes             |
| 1.6            | 1.5.2        | 2000      | CNRI       | no              |
| 2.0            | 1.6          | 2000      | BeOpen.com | no              |
| 1.6.1          | 1.6          | 2001      | CNRI       | no              |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no              |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes             |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes             |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes             |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes             |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes             |

.. note::

GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

Terms and conditions for accessing or otherwise using Python

=====  
PSF LICENSE AGREEMENT FOR PYTHON |release|  
-----

.. parsed-literal::

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python |release| software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works,

distribute, and otherwise use Python |release| alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright ?? 2001-2018 Python Software Foundation; All Rights Reserved" are retained in Python |release| alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python |release| or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python |release|.
4. PSF is making Python |release| available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON |release| WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON |release| FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON |release|, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By copying, installing or otherwise using Python |release|, Licensee agrees to be bound by the terms and conditions of this License Agreement.

## BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

-----

### BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

.. parsed-literal::

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").
2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.
3. BeOpen is making the Software available to Licensee on an "AS IS" basis.

BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.
7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

#### CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

-----

.. parsed-literal::

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.
2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright ?? 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>."
3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to

include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.
5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.
6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.
8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

## CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

-----

.. parsed-literal::

Copyright ?? 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,



DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

## Licenses and Acknowledgements for Incorporated Software

=====

This section is an incomplete, but growing list of licenses and acknowledgements for third-party software incorporated in the Python distribution.

### Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura,  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions  
are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The names of its contributors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Any feedback is very welcome.

<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

## Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

Copyright (C) 1995, 1996, 1997, and 1998 WIDE Project.  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## Asynchronous socket services

-----

The `:mod:`asynchat`` and `:mod:`asyncore`` modules contain the following notice::

Copyright 1996 by Sam Rushing

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Sam Rushing not be used in advertising or publicity pertaining to distribution of the software without specific, written prior

permission.

SAM RUSHING DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SAM RUSHING BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

#### Cookie management

-----

The `:mod:`http.cookies`` module contains the following notice::

Copyright 2000 by Timothy O'Malley <timo@alum.mit.edu>

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Timothy O'Malley not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Timothy O'Malley DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL Timothy O'Malley BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

#### Execution tracing

-----

The `:mod:`trace`` module contains the following notice::

portions copyright 2001, Autonomous Zones Industries, Inc., all rights...  
err... reserved and offered to the public under the terms of the  
Python 2.2 license.  
Author: Zooko O'Whielacronx  
<http://zooko.com/>  
<mailto:zooko@zooko.com>

Copyright 2000, Mojam Media, Inc., all rights reserved.  
Author: Skip Montanaro

Copyright 1999, Bioreason, Inc., all rights reserved.  
Author: Andrew Dalke

Copyright 1995-1997, Automatrix, Inc., all rights reserved.  
Author: Skip Montanaro

Copyright 1991-1995, Stichting Mathematisch Centrum, all rights reserved.

Permission to use, copy, modify, and distribute this Python software and its associated documentation for any purpose without fee is hereby granted, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of neither Automatrix, Bioreason or Mojram Media be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

UUencode and UUdecode functions  
-----

The `:mod:`uu`` module contains the following notice::

Copyright 1994 by Lance Ellinghouse  
Cathedral City, California Republic, United States of America.  
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Lance Ellinghouse not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LANCE ELLINGHOUSE DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL LANCE ELLINGHOUSE CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Modified by Jack Jansen, CWI, July 1995:

- Use `binascii` module to do the actual line-by-line conversion between `ascii` and `binary`. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls  
-----

The `:mod:`xmlrpc.client`` module contains the following notice::

The XML-RPC client interface is

Copyright (c) 1999-2002 by Secret Labs AB  
Copyright (c) 1999-2002 by Fredrik Lundh

By obtaining, using, and/or copying this software and/or its

associated documentation, you agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and its associated documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Secret Labs AB or the author not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

SECRET LABS AB AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL SECRET LABS AB OR THE AUTHOR BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

test\_epoll

-----

The :mod:`test\_epoll` module contains the following notice::

Copyright (c) 2001-2006 Twisted Matrix Laboratories.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Select kqueue

-----

The :mod:`select` module contains the following notice for the kqueue interface::

Copyright (c) 2000 Doug White, 2006 James Knight, 2007 Christian Heimes  
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

SipHash24

-----

The file `:file:`Python/pyhash.c`` contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. The contains the following note::

<MIT License>

Copyright (c) 2013 Marek Majkowski <marek@popcount.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

</MIT License>

Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves ([superCop/crypto\\_auth/siphhash24/little](https://github.com/superCop/crypto_auth/siphhash24/little))

djb ([superCop/crypto\\_auth/siphhash24/little2](https://github.com/superCop/crypto_auth/siphhash24/little2))

Jean-Philippe Aumasson (<https://131002.net/siphhash/siphhash24.c>)

strtod and dtoa

-----

The file `:file:`Python/dtoa.c``, which supplies C functions `dtoa` and `strtod` for conversion of C doubles to and from strings, is derived

from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

```
/*
 *
 * The author of this software is David M. Gay.
 *
 * Copyright (c) 1991, 2000, 2001 by Lucent Technologies.
 *
 * Permission to use, copy, modify, and distribute this software for any
 * purpose without fee is hereby granted, provided that this entire notice
 * is included in all copies of any software which is or includes a copy
 * or modification of this software and in all copies of the supporting
 * documentation for such software.
 *
 * THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED
 * WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT MAKES ANY
 * REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY
 * OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.
 */
```

## OpenSSL

-----

The modules `:mod:`hashlib``, `:mod:`posix``, `:mod:`ssl``, `:mod:`crypt`` use the OpenSSL library for added performance if made available by the operating system. Additionally, the Windows and Mac OS X installers for Python may include a copy of the OpenSSL libraries, so we include a copy of the OpenSSL license here::

## LICENSE ISSUES

=====

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact [openssl-core@openssl.org](mailto:openssl-core@openssl.org).

## OpenSSL License

-----

```
/* =====
 * Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
```

```

*
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
*
* 3. All advertising materials mentioning features or use of this
* software must display the following acknowledgment:
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
*
* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
* endorse or promote products derived from this software without
* prior written permission. For written permission, please contact
* openssl-core@openssl.org.
*
* 5. Products derived from this software may not be called "OpenSSL"
* nor may "OpenSSL" appear in their names without prior written
* permission of the OpenSSL Project.
*
* 6. Redistributions of any form whatsoever must retain the following
* acknowledgment:
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit (http://www.openssl.org/)"
*
* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS" AND ANY
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.
* =====
*
* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
*
*/

```

Original SSLeay License

-----

```

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
* All rights reserved.
*
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscapes SSL.
*
* This library is free for commercial and non-commercial use as long as

```



```

* the following conditions are adhered to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
*
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
* "This product includes cryptographic software written by
* Eric Young (eay@cryptsoft.com)"
* The word 'cryptographic' can be left out if the routines from the library
* being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
* the apps directory (application code) you must include an acknowledgement:
* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
*
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
*/

```

expat

-----

The :mod:`pyexpat` extension is built using an included copy of the expat sources unless the build is configured ``--with-system-expat``:

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd  
and Clark Cooper

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

libffi

-----

The :mod:`\_ctypes` extension is built using an included copy of the libffi sources unless the build is configured ``--with-system-libffi``:

Copyright (c) 1996-2008 Red Hat, Inc and others.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

zlib

----

The :mod:`zlib` extension is built using an included copy of the zlib

sources if the zlib version found on the system is too old to be used for the build::

Copyright (C) 1995-2011 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

cfuhash

-----

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

Copyright (c) 2005 Don Owens  
All rights reserved.

This code is released under the BSD license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT**

LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libmpdec

-----

The `:mod:`_decimal`` module is built using an included copy of the libmpdec library unless the build is configured `--with-system-libmpdec`::`

Copyright (c) 2008-2016 Stefan Kraah. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

>>>> Microsoft.VisualStudio.Setup.Configuration.Native.lib

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT VISUAL STUDIO SETUP SOFTWARE DEVELOPMENT KIT

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. They apply to the software named above. The terms also apply to any Microsoft services or updates for the software, except to the extent those have different terms.

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW.

1. INSTALLATION AND USE RIGHTS.

a. One user may use copies of the software to develop and test their applications.

2. DISTRIBUTABLE CODE. The software contains code that you are permitted to distribute in applications you develop as described in this Section. (For this Section the term "distribution" also means deployment of your applications for third parties to access over the Internet.)

- a. **Right to Use and Distribute.** The code and text files listed below are Distributable Code.  
? REDIST.TXT Files. You may copy and distribute the object code form of the Microsoft.VisualStudio.Setup.Configuration.Native.dll and Microsoft.VisualStudio.Setup.Configuration.Interop.dll files included in the software.  
? Sample Code and Templates. You may copy, modify and distribute the source and object code form of code marked as ? sample? and ?templates?  
? Third Party Distribution. You may permit distributors of your applications to copy and distribute the Distributable Code as part of those applications.
- b. **Distribution Requirements.** For any Distributable Code you distribute, you must  
? add significant primary functionality to it in your applications;  
? require distributors and external end users to agree to terms that protect the Distributable Code at least as much as this agreement; and,  
? indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your applications, except to the extent that any claim is based solely on the Distributable Code.
- c. **Distribution Restrictions.** You may not use Microsoft's trademarks in your applications' names or branding in a way that suggests your applications come from or are endorsed by Microsoft; or modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that (i) the code be disclosed or distributed in source code form; or (ii) others have the right to modify it.
3. **DATA.** The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt-out of many of these scenarios, but not all, as described in the product documentation. There are also some features in the software that may enable you to collect data from users of your applications. If you use these features to enable data collection in your applications, you must comply with applicable law, including providing appropriate notices to users of your applications. You can learn more about data collection and use in the help documentation and the privacy statement at <http://go.microsoft.com/fwlink/?LinkID=528096>. Your use of the software operates as your consent to these practices.
4. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain way. For more information, see <http://www.microsoftvolumelicensing.com>. You may not  
? work around any technical limitations in the software;  
? reverse engineer, decompile or disassemble the software, or attempt to do so, except and only to the extent required by third party licensing terms governing use of certain open source components that may be included with the software;  
? remove, minimize, block or modify any notices of Microsoft or its suppliers;  
? use the software in any way that is against the law; or  
? share, publish, rent or lease the software, or provide the software as a stand-alone hosted as solution for others to use.
5. **EXPORT RESTRICTIONS.** You must comply with all domestic and international export laws and regulations that apply to the software, which include restrictions on destinations, end users and end use. For further information on export restrictions, visit ([aka.ms/exporting](http://aka.ms/exporting)).
6. **SUPPORT SERVICES.** Because this software is ?as is,? we may not provide support services for it.
7. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.
8. **APPLICABLE LAW.** If you acquired the software in the United States, Washington law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live apply to all other claims. If you acquired the software in any other country, its laws apply.
9. **CONSUMER RIGHTS; REGIONAL VARIATIONS.** This agreement describes certain legal rights. You may have other rights, including consumer rights, under the laws of your state or country. Separate and apart from your relationship with Microsoft, you may also have rights with respect to the party from which you acquired the software. This agreement does not change those other rights if the laws of your state or country do not permit it to do so. For example, if you acquired the software in one of the below regions, or mandatory country law applies, then the following provisions apply to you:
- a. **Australia.** You have statutory guarantees under the Australian Consumer Law and nothing in this agreement is intended to affect those rights.
- b. **Canada.** If you acquired this software in Canada, you may stop receiving updates by turning off the automatic update feature, disconnecting your device from the Internet (if and when you re-connect to the Internet, however, the software will resume checking for and installing updates), or uninstalling the software. The product documentation, if any, may also specify

how to turn off updates for your specific device or software.

c. Germany and Austria.

(i) Warranty. The properly licensed software will perform substantially as described in any Microsoft materials that accompany the software. However, Microsoft gives no contractual guarantee in relation to the licensed software.

(ii) Limitation of Liability. In case of intentional conduct, gross negligence, claims based on the Product Liability Act, as well as, in case of death or personal or physical injury, Microsoft is liable according to the statutory law.

Subject to the foregoing clause (ii), Microsoft will only be liable for slight negligence if Microsoft is in breach of such material contractual obligations, the fulfillment of which facilitate the due performance of this agreement, the breach of which would endanger the purpose of this agreement and the compliance with which a party may constantly trust in (so-called "cardinal obligations"). In other cases of slight negligence, Microsoft will not be liable for slight negligence.

10. LEGAL EFFECT. This agreement describes certain legal rights. You may have other rights under the laws of your state or country. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so. Without limitation of the foregoing, for Australia, YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS

11. DISCLAIMER OF WARRANTY. THE SOFTWARE IS LICENSED ?AS-IS.? YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

12. LIMITATION ON AND EXCLUSION OF DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to (a) anything related to the software, services, content (including code) on third party Internet sites, or third party applications; and (b) claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

>>>>libmpdec

/\*  
\* Copyright (c) 2008-2016 Stefan Kraah. All rights reserved.

\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \*  
\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.  
\*  
\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.  
\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*/

```
>>>> sqlite3
# pysqlite2/dbapi2.py: the DB-API 2.0 interface
#
# Copyright (C) 2004-2005 Gerhard H??ring <gh@ghaering.de>
#
# This file is part of pysqlite.
#
# This software is provided 'as-is', without any express or implied
# warranty. In no event will the authors be held liable for any damages
# arising from the use of this software.
#
# Permission is granted to anyone to use this software for any purpose,
# including commercial applications, and to alter it and redistribute it
# freely, subject to the following restrictions:
#
# 1. The origin of this software must not be misrepresented; you must not
# claim that you wrote the original software. If you use this software
# in a product, an acknowledgment in the product documentation would be
# appreciated but is not required.
# 2. Altered source versions must be plainly marked as such, and must not be
# misrepresented as being the original software.
# 3. This notice may not be removed or altered from any source distribution.
```

```
Copyright 2003-2005 Peter Astrand <astrand@lysator.liu.se>
Copyright 2012-2016 Christian Heimes (christian@python.org)
Copyright 1995-1996 by Virginia Polytechnic Institute & State University Blacksburg Virginia USA and Fred L. Drake Jr.
Reston Virginia USA. Portions
Copyright (c) 1991-1995 Stichting Mathematisch Centrum Amsterdam. All Rights Reserved.
Copyright (C) 1986 Gary S. Brown. You may use this program or code or tables extracted from it as desired without
restriction.
Copyright (c) 1998 The Open Group
Copyright 1991-1995 Stichting Mathematisch Centrum Amsterdam The Netherlands
Copyright 2008 by Armin Ronacher. license Python License.
(c) 2001 John Hornkvist AIX ABI support
Copyright (C) 2004-2006 Python Software Foundation Authors Baxter Wouters and Warsaw Contact email-sig@python.org
Copyright (c) 2006 Free Software Foundation Inc. derived from unix64.S
Copyright 2009 Gabriel A. Genellina
Copyright 1994 Lance Ellinghouse Cathedral City California Republic United States of America
Copyright (C) 1994 Steen Lumholt.
Copyright (C) 2016 - 2017 Steve Holme <steve_holme@hotmail.com>.
Copyright 2005 Martin
Copyright (c) 2002 Bo Thorsen <bo@suse.de>
Copyright 2012-2015 Dan Nicholson <dbn.lists@gmail.com> dnl dnl This program is free software you can redistribute it
and or modify
Copyright 1990-1995 Stichting Mathematisch Centrum
Copyright 1997-2000 Thai Open Source Software Center Ltd
Copyright 2001-2007 Python Software Foundation Author Ben Gertzfield Barry Warsaw Contact email-sig@python.org
Copyright 2006-2009 Google Inc
Copyright 2000 Mojam Media Inc
pot_header = _(" SOME DESCRIPTIVE TITLE. Copyright (C) YEAR ORGANIZATION FIRST AUTHOR
<EMAIL@ADDRESS> YEAR.
Copyright 2000 Doug White
Copyright (c) 2000-2010 eGenix.com Software GmbH mailto:info@egenix.com
```

Copyright 1997, 1999-2009 Fredrik Lundh  
Copyright (c) 1999 Toby Dickenson  
Copyright 2001-2006 Twisted Matrix Laboratories  
Copyright 1991-2016 xA9  
(c) 2013-2017 Christian Heimes <christian@python.org>  
Copyright (C) 2002-2007 Python Software Foundation Contact email-sig@python.org  
(c) Craig Reese Joe Campbell and Jeff Poskanzer 1989  
Copyright 2003-2004 Federico Di Gregorio <fog@debian.org>  
Copyright (C) 2001-2006 Python Software Foundation Author Keith Dart Contact email-sig@python.org  
Copyright (c) 2002 Peter O'Gorman <ogorman@users.sourceforge.net>  
Copyright 2001 Autonomous Zones Industries Inc  
Copyright 1997-2002 Makoto Matsumoto and Takuji Nishimura  
Copyright 1995-2001 Corp for National Research Initiatives  
Copyright 2007-2012 Michael Foord & the mock team  
Copyright 2002 Ranjit Mathew  
copyright notice was updated to include 2001  
Copyright 2004-2005 Elemental Security Inc  
Copyright 2005-2006 Martin von Lwis  
Copyright (C) 1993 by Sun Microsystems Inc. All rights reserved.  
Copyright 2004-2007 Gerhard H  
Copyright (C) 1994 X Consortium  
(c) 2000 Peter Bosch. All Rights Reserved.  
Copyright (c) 1998 Geoffrey Keating  
Copyright (C) 1997 2002 2003 2007 2008 Martin von Loewis  
Copyright 2007-2011 by the Sphinx team see AUTHORS. license BSD see LICENSE for details.  
Copyright 1991, 2000-2001 Lucent Technologies  
Copyright 2002-2004 Free Software Foundation Inc. based on ppc  
Copyright (c) 2000 John Hornkvist  
Copyright 2008-2016 Stefan Kraah  
Copyright 2000 Timothy O'Malley <timo@alum.mit.edu>  
Copyright (C) 2001-2007 Python Software Foundation Author Barry Warsaw Thomas Wouters Anthony Baxter Contact email-sig@python.org  
Copyright (C) 2000 Luke Kenneth Casson Leighton <lkcl@samba.org>  
Copyright 2006-2007 Georg Brandl  
Copyright 2005 Ian Bicking and contributors written for Paste  
Copyright (c) 2006-2008 Alexander Chemeris  
Copyright 2000 Guido van Rossum  
copyright as Python attribute not global 2001-04-28  
Copyright 1996 Sam Rushing  
Copyright (c) 1996-2003 Red Hat Inc. Target configuration macros for PowerPC.  
Copyright of cfuhash ----- Creation date 2005-06-24 21 22 40  
Copyright (C) 1995-2011 Jean-loup Gailly and Mark Adler  
Copyright 1997-2009 Secret Labs AB  
Copyright 1996-2003 Red Hat Inc. Target configuration macros for  
Copyright (c) 2001-2017 Expat maintainers  
Copyright (c) 2002 Jorge Acereda <jacereda@users.sourceforge.net> &  
Copyright 1981, 2000-2001, 2003-2005, 2008-2009 IBM Corp  
Copyright (c) 1996-2008 Red Hat Inc and others.  
Copyright 1995 Virginia Polytechnic Institute and State University and Fred L. Drake Jr. This  
Copyright (c) 2004 by Fredrik Lundh <fredrik@pythonware.com>  
Copyright 2007-2014 Georg Brandl. license Python license  
Copyright 1996-2003 Red Hat Inc  
Copyright 2005-2006 ActiveState Software Inc  
Copyright 2000-2017 Expat development team  
Copyright 2004 Outercurve Foundation  
Copyright 2012-2013 Larry Hastings







The following authors may have attached copyright notices to one or more files in the above-reference package:

AdaCore,  
Alex Beregszaszi,  
Denis V. Lunev <den@openvz.org>  
Kevin Wolf  
Alexander Graf <agraf@suse.de>,  
Alexey Kardashevskiy,  
IBM Corporation.  
DavidGibson,  
Alistair Francis <alistair@alistair23.me>,  
Andrzej Zaborowski,  
Anthony Liguori  
<anthony@codemonkey.ws>, Anthony Liguori <anthony@codemonkey.ws> Fabrice  
Bellard Red Hat, Inc, Anthony Liguori <anthony@codemonkey.ws> Fabrice  
Bellard Red Hat, Inc Corentin Chary <corentin.chary@gmail.com>, Antony T  
Curtis, Arastra, Inc., Arnaud Patard <arnaud.patard@rtp-net.org> Aurelien  
Jarno <aurelien@aurel32.net> Based on i386/tcg-target.c - Fabrice Bellard,  
Aurelien Jarno, Aurelien Jarno <aurelien@aurel32.net> Based on i386/tcg-target.c  
- Fabrice Bellard, Avi Kivity, Gerd Hoffmann, Marcelo Tosatti, Bob Breuer  
Mark Cave-Ayland, Bull S.A.S. Author: Laurent Vivier <Laurent.Vivier@bull.net>  
Some parts: Anthony Liguori <anthony@codemonkey.ws>, Calxeda, Inc., Christoph  
Hellwig Igalia, S.L., CodeSourcery., Corey Minyard <cminyard@mvista.com>,  
Corey Minyard, MontaVista Software, LLC, David Gibson, IBM Corporation., David  
Gibson, IBM Corporation. David Gibson, Red Hat., Edgar E. Iglesias  
(edgari@xilinx.com), Grant Likely (grant.likely@secretlab.ca), Xilinx Inc.,  
Edgar E. Iglesias (edgari@xilinx.com), Grant Likely (grant.likely@secretlab.ca),  
Xilinx Inc., Edgar E. Iglesias, Axis Communications AB., Edgar E. Iglesias, Axis  
Communications AB. Xilinx Inc., Edgar E. Iglesias, Grant Likely  
(grant.likely@secretlab.ca). Xilinx Inc., Edgar E. Iglesias., Edgar E.  
Iglesias. Michal Simek. PetaLogix Qld Pty Ltd. Peter A. G. Crosthwaite  
<peter.crosthwaite@petalogix.com>., Edgar E. Iglesias. Michal Simek. Peter  
A.G. Crosthwaite (peter.croshtwaite@petalogix.com) Petalogix Pty Ltd., Edgar  
E. Iglesias. Peter A. G. Crosthwaite <peter.crosthwaite@petalogix.com>  
PetaLogix, Fabrice Bellard, Fabrice Bellard Andreas Färber, Fabrice Bellard  
Andrzej Zaborowski, Fabrice Bellard Aurelien Jarno, Fabrice Bellard Cisco  
Systems, Fabrice Bellard Citrix Systems, Inc., Fabrice Bellard Citrix  
Systems, Inc. Intel Corporation; author: H. Peter Anvin, Fabrice Bellard  
Filip Navara, Fabrice Bellard Herve Poussineau, Fabrice Bellard IBM Corp.  
Authors: Stefan Berger <stefanb@linux.vnet.ibm.com>, Fabrice Bellard Intel  
Corporation, Fabrice Bellard Isaku Yamahata <yamahata at valinux co jp> VA  
Linux Systems Japan K.K. Jason Baron <jbaron@redhat.com> Split out from  
piix.c, Fabrice Bellard Jan Kiszka, Siemens AG, Fabrice Bellard Jes Sorensen  
<Jes.Sorensen@redhat.com>, Fabrice Bellard Jocelyn Mayer, Fabrice Bellard  
Jocelyn Mayer David Gibson, IBM Corporation., Fabrice Bellard Jocelyn Mayer  
Laurent Vivier some parts from linux-2.6.28, arch/powerpc/include/asm/dbdma.h  
Definitions for using the Apple Descriptor-Based DMA controller in Power  
Macintosh computers. Paul Mackerras. some parts from mol 0.9.71 Descriptor  
based DMA emulation Samuel Rydh (samuel@ibrium.se), Fabrice Bellard Kevin  
Wolf <kwolf@redhat.com>, Fabrice Bellard Makoto Suzuki (suzu), Fabrice Bellard  
Marko Kohtala, Fabrice Bellard Max Krasnyansky Magor rewrite of the UHCI data  
structures parser and frame processor Support for fully async operation and  
multiple outstanding transactions, Fabrice Bellard Max Krasnyansky Support for  
host device auto connect & disconnect Major rewrite to support fully async  
operation TJ <linux@tjworld.net> Added flexible support for /dev/bus/usb  
/sys/bus/usb/devices in addition to the legacy /proc/bus/usb USB device

discovery and handling, Fabrice Bellard Max Krasnyansky Support for host device auto connect & disconnect Major rewrite to support fully async operation TJ <linux@tjworld.net> Added flexible support for /dev/bus/usb /sys/bus/usb/devices in addition to the legacy /proc/bus/usb USB device discovery and handling Gerd Hoffmann <kraxel@redhat.com> Completely rewritten to use libusb instead of usbfs ioctl., Fabrice Bellard OpenMoko, Inc. (andrew@openedhand.com), Fabrice Bellard Openedhand Ltd., Fabrice Bellard Openedhand Ltd. Huacai Chen <ztjiangshi@gmail.com>, Fabrice Bellard Red Hat Inc Authors: Juan Quintela <quintela@redhat.com>, Fabrice Bellard Red Hat Inc., Fabrice Bellard Red Hat, Inc., Fabrice Bellard Red Hat, Inc. Amit Shah <amit.shah@redhat.com>, Fabrice Bellard Red Hat, Inc. QEMU library functions for win32 which are shared between QEMU and the QEMU tools., Fabrice Bellard Red Hat, Inc. QEMU library functions on POSIX which are shared between QEMU and the QEMU tools., Fabrice Bellard Red Hat, Inc. Wrapper function qemu\_openpty() implementation., Fabrice Bellard , Isaku Yamahata <yamahata at valinux co jp> VA Linux Systems Japan K.K. Jason Baron <jbaron@redhat.com> This is based on pc.c, but heavily modified., Fabrice Bellard , , Isaku Yamahata <yamahata at valinux co jp> VA Linux Systems Japan K.K. Jason Baron <jbaron@redhat.com> This is based on piix.c, but heavily modified., Fabrice Bellard , Artyom Tarasenko, Fabrice Bellard Generic packet handler rewrite by Max Krasnyansky, Fabrice Bellard Modifications: -Feb-14 Artyom Tarasenko : reworked irq generation, Fabrice Bellard This work is licensed under the terms of the GNU GPL, version 2 or later. See the COPYING file in the top-level directory. This file incorporates work covered by the following and permission notice: Fabrice Bellard, Freescale Semiconductor, Inc., Fujitsu Ltd., Glauber Costa, Red Hat Inc., Gleb Natapov, Greensocs., HUAWEI TECHNOLOGIES CO., LTD., Herve Poussineau, Herve Poussineau Andreas Färber, Hervé Poussineau, IBM Corp. Red Hat, Inc., Igor Kovalenko, Intel Corp. XenSource, Jan Kiszka, Siemens AG, Jes Sorensen <Jes.Sorensen@redhat.com>, Jiri Slaby, Joachim Henke, Jocelyn Mayer, Jocelyn Mayer Alexander Graf, Johannes E. Schindelin, Johannes Schindelin, John Snow <jsnow@redhat.com>, Kevin Wolf <kwolf@redhat.com>, Klaus Stengel, Laurent Vivier, Linaro Ltd. Author: Alex Bennée <alex.bennee@linaro.org>, Lubomir Rintel, Luigi Rizzo, Magnus Damm Paul Mundt, Magnus Damm Samuel Tardieu, Magnus Damm <damm@opensource.se>, Magnus Damm Based on serial.c - QEMU 0 UART emulation Fabrice Bellard, Michal Simek <monstr@monstr.eu> PetaLogix Edgar E. Iglesias., Mike Kronenberg, Nippon Telegraph and Telephone Corporation. , Red Hat, Inc., OK Labs NICTA Pty Ltd Originally written by Hans Jiang Updated by Peter Chubb Updated by Jean-Christophe Dubois <jcd@tribudubois.net>, Openedhand Ltd. Author: Andrzej Zaborowski <balrog@zabor.org> Based on hw/usb-hid.c: Fabrice Bellard, PetaLogix Qld Pty Ltd. Peter A. G. Crosthwaite <peter.crosthwaite@petalogix.com>., Peter A. G. Crosthwaite, Peter A. G. Crosthwaite <peter.crosthwaite@xilinx.com> Xilinx Inc., Peter Crosthwaite <peter.crosthwaite@petalogix.com> PetaLogix Edgar E. Iglesias., Peter Lieven <pl@kamp.de>, Peter Xilinx Inc Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Raymond Hettinger, RealVNC Ltd. All Rights Reserved. Sun Microsystems, Inc. Corentin Chary <corentin.chary@gmail.com>, Red Hat, Red Hat Authors: Gerd Hoffmann <kraxel@redhat.com>, Red Hat Inc, Red Hat Inc., Red Hat Inc. Authors: Eduardo Habkost <ehabkost@redhat.com>, Red Hat Inc., Richard W.M. Jones <rjones@redhat.com>, Red Hat, Inc, Red Hat, Inc. Author: Paolo Bonzini <pbonzini@redhat.com>, Red Hat, Inc. Original author: Juan Quintela <quintela@redhat.com>, Red Hat, Inc. QEMU library functions on POSIX which are shared between QEMU and the QEMU tools., Red Hat, Inc. Red Hat Authors: Hans de Goede <hdegoede@redhat.com>, Red Hat, Inc. This work is licensed under the terms of the GNU GPL, version 2 or later. See the COPYING file in the top-level directory. This file incorporates work covered by the

following and permission notice: Fabrice Bellard, Red Hat. Inc, Robert Reif, Rohit Kumar, Johannes E. Schindelin Constantin Kaplinsky. All Rights Reserved. Tridia Corporation. All Rights Reserved. AT&T Laboratories Cambridge. All Rights Reserved., Ronnie Sahlberg <ronniesahlberg@gmail.com> Peter Lieven <pl@kamp.de>, Samsung Electronics. Contributed by Kirill Batuzov <batuzovk@ispras.ru>, Samuel Tardieu, Samuel Thibault, Shin-ichiro KAWASAKI, Takashi YOSHII, Tensilica Inc., Thiemo Seufer, Thiemo Seufer Jocelyn Mayer, Thomas Sailer Andrzej Zaborowski, Tibor "TS" SchÃ¼tz, Ulrich Hecht <uli@suse.de>, Ulrich Hecht <uli@suse.de> Alexander Graf <agraf@suse.de> Richard Henderson <rth@twiddle.net>, Vassili Karpov (malc), Vassili Karpov (malc) Fabrice Bellard, Xilinx Inc, Xilinx Inc Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc Peter Crosthwaite <peter.crosthwaite@xilinx.com> Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc. Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc. Peter Crosthwaite <peter.crosthwaite@xilinx.com>., Xilinx Inc. Peter Crosthwaite <peter.crosthwaite@xilinx.com>. Edgar E. Iglesias., Xilinx Inc. Autogenerated by xregqemu.py -01-21., Xilinx Inc. Autogenerated by xregqemu.py -01-22., Xilinx Inc. Autogenerated by xregqemu.py -02-05., Xilinx Inc. Autogenerated by xregqemu.py -02-05. Updated by Edgar E. Iglesias <edgar.iglesias@xilinx.com> Updated by Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc. Autogenerated by xregqemu.py -02-14. Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc. Autogenerated by xregqemu.py -03-20. Written by Edgar E. Iglesias, Xilinx Inc. Autogenerated by xregqemu.py -04-05., Xilinx Inc. Autogenerated by xregqemu.py -09-01. Written by Edgar E. Iglesias., Xilinx Inc. Autogenerated by xregqemu.py -09-02. Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc. Autogenerated by xregqemu.py -09-10., Xilinx Inc. Autogenerated by xregqemu.py -09-16., Xilinx Inc. Autogenerated by xregqemu.py -12-16., Xilinx Inc. Partially autogenerated by xregqemu.py -07-21. Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc. Partially autogenerated by xregqemu.py -08-07. Written by Edgar E. Iglesias <edgari@xilinx.com> Alistair Francis <alistai@xilinx.com>, Xilinx Inc. Partially autogenerated by xregqemu.py -08-25. Written by Edgar E. Iglesias., Xilinx Inc. Partially autogenerated by xregqemu.py -10-30. Written by Edgar E. Iglesias, Xilinx Inc. Partly autogenerated by xregqemu.py -09-01. Written by Edgar E. Iglesias., Xilinx Inc. Written by Alistair Francis <alistair.francis@xilinx.com>, Xilinx Inc. Written by Edgar E. Iglesias <edgari@xilinx.com> Partly autogenerated by xregqemu.py -10-15., Xilinx Inc. Written by Konrad Frederic <fred.konrad@greensocs.com>, Xilinx Inc. Written by sai pavan boddu <saipava@xilinx.com>, Xilinx, Inc., Xilinx, Inc. All rights reserved. Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>, , Const Kaplinsky. All Rights Reserved. AT&T Laboratories Cambridge. All Rights Reserved. Corentin Chary <corentin.chary@gmail.com>, , Jocelyn Mayer HervÃ© Poussineau, , Stefan Weil, , , Anthony Green, , , Red Hat, Inc. , Blue Swirl <blauwirbel@gmail.com> , Anthony Liguori <aliguori@us.ibm.com> Author: Laszlo Ersek <lersek@redhat.com>, , Aurelien Jarno, , Benjamin Herrenschmidt, IBM Corporation., , David Gibson, IBM Corporation., , Johannes E. Schindelin

DATES:  
1996-2016

The following entities have attached copyright notices to one or more files in the above-reference package:

Copyright (C) 2014 Li Guang  
Copyright (c) 2014 Jiri Pirko  
Copyright (c) 2014 Scott Feldman  
Copyright (C) 2015 Andrey Smetanin  
Copyright (c) 2012 Gregory Estrade  
Copyright (c) 2013 Jan Petrous Rasperry  
Copyright (c) 2015, Microsoft  
Copyright (c) 2015 Paulo Alcantara  
Copyright (c) 2010-2016 Institute for System Programming of the Russian Academy of Sciences  
Copyright (C) 2012-2016 : GreenSocs  
Copyright (c) 2003-2013 Fabrice Bellard  
Copyright IBM, Corp. 2011-2016  
Copyright (C) 2010 Citrix Ltd  
Copyright Red Hat Inc., 2012-2016  
Copyright (C) 2016 Fred KONRAD  
Copyright (c) 2009-2016 Stefan Weil  
Copyright Fujitsu, Corp. 2011-2016  
Copyright (c) 2003-2005 Silicon Graphics, Inc.  
Copyright (c) 2010-16 Xilinx Inc.  
Copyright (C) 2006 Anthony Liguori  
Copyright (C) 2011 Aneesh Kumar K.V  
Copyright (C) 2008 Andrzej Zaborowski  
Copyright (C) 2002 RealVNC Ltd  
Copyright (C) 2010 Joel Martin  
Copyright (C) 2012 Tim Hardeck  
Copyright (C) 1999 AT&T Laboratories  
Copyright (C) COPYRIGHT 2006 BY Hitachi Systems & Services, Ltd  
Copyright (c) 2013-2016 Huawei Technologies  
Copyright (c) 2004-2005 Jocelyn Mayer  
Copyright (c) 2007 Herve Poussineau  
Copyright (C) 2012-2016 Imagination Technologies Ltd.  
Copyright (c) 2012 Jia Liu and Dongxue Zhang  
Copyright (c) 2006 Marius Groeger  
Copyright (c) 2006 Thiemo Seufer  
Copyright (c) 2007-2009 CodeSourcery  
Copyright (c) 2011 Richard Henderson  
Copyright (C) 2010-2012 Guan Xuetao  
Copyright (c) 2012 SUSE LINUX Products GmbH  
Copyright (c) 2012-2016 Linaro Limited  
Copyright (C) 2006-2008 Qumranet Technologies  
Copyright (c) 1999 -2016 Intel Corporation  
Copyright (c) 2007 AXIS Communications  
Copyright (C) 1988-2009 Free Software Foundation, Inc.  
Copyright 2013, ARM Limited  
Copyright (c) 2009 Ulrich Hecht  
Copyright (c) 2009 Alexander Graf  
Copyright (C) 2012 - Virtual Open Systems and Columbia University  
Copyright 2008-2011 Freescale Semiconductor, Inc.  
Copyright (c) 2012 Catalin Patulea  
Copyright (c) 2014 Marc MarÃ  
Copyright (c) 2010 Michael Walle  
Copyright (c) 1982, 1986, 1993 The Regents of the University of California  
Copyright (c) 2011-2012 Jia Liu and Feng Gao  
Copyright (C) Nodalink, SARL EURL 2013-2014  
Copyright (c) 2013 -2015 Peter Crosthwaite  
Copyright (C) 2011-2016 LluÃs Vilanova

Copyright (c) 2006-2007 CodeSourcery  
Copyright Dell MessageOne 2008  
Copyright (c) 2012-2016 Bastian Koppelman C-Lab/University Paderborn  
Copyright (c) 2012 Ravello Systems LTD  
Copyright (c) 2015 Guenter Roeck  
Copyright ProfitBricks GmbH 2012  
Copyright (c) 2011 Samsung Electronics Co.  
Copyright (C) 2008 Nokia Corporation  
Copyright (C) 2014 Petalogix Qld Pty Ltd  
Copyright (c) 2009 Isaku Yamahata VA Linux Systems Japan K.K.  
Copyright 1994, Drew Eckhardt  
Copyright 1997-- 1999 Martin Mares  
Copyright (C) 2013-2016 Igalia, S.L.  
Copyright (C) 2014 Beniamino Galvani  
Copyright (C) 2013 Antony Pavlov  
Copyright (c) 2011 Alexey Kardashevskiy  
Copyright (C) 2011 Siemens AG  
Copyright (C) 2013 Knut Omang, Oracle <knut.omang@oracle.com>  
Copyright (C) 2014 Le Tan  
Copyright (C) 1999-2000 Maxim Krasnyansky  
Copyright (C) Damion K. Wilson, 2003  
Copyright (c) 2013 David Gibson  
Copyright (c) 2009 Edgar E. Iglesias  
Copyright Novell Inc, 2009  
Copyright (c) 2009 Loïc Minier  
Copyright (c) Rebel.COM, 1998,1999  
Copyright (c) 2005, Joel Schopp  
Copyright (c) 2007,2008, Andy Whitcroft  
Copyright (c) 2014 Wenchao Xia  
Copyright (C) 2012 Ryota Ozaki  
Copyright Hitachi Data Systems Corp. 2013  
Copyright (C) 2010-2011 Christian Brunner, Josh Durgin  
Copyright (c) 2012, Max Filippov, Open Source and Linux Lab  
Copyright (c) 2005 Samuel Tardieu  
Copyright (c) 2010 Sebastien Bourdeauducq  
Copyright (c) 2006 Openedhand Ltd  
Copyright (c) 2007-2011 Herve Poussineau  
Copyright (c) 2015 Aggios, Inc.  
Copyright (C) 2012 NICTA  
Copyright (c) 2008 OK Labs  
Copyright (c) 2005 Cisco Systems  
Copyright (C) 2006 InnoTek Systemberatung GmbH  
Copyright (c) 2011 Written by Mathieu Sonet  
Copyright (c) 2008 Jan Kiszka  
Copyright (C) 1999,2000 Tatsuyuki Satoh  
Copyright (C) 2007-2008 OpenMoko, Inc.  
Copyright (C) 2007-2008 Lauro Ramos Venancio  
Copyright (c) 2010 qiaochong@loongson.cn  
Copyright (c) 2010 Roland Elek <elek.roland@gmail.com>  
Copyright (c) 2009 Gerd Hoffmann  
Copyright (c) 2008 Dmitry Baryshkov  
Copyright (C) 2008 Jean-Christophe PLAGNIOL-VILLARD <plagnioj@jcrosoft.com>  
Copyright (C) 2013-2016 Jean-Christophe Dubois  
Copyright (C) 2007 Vladimir Ananiev  
Copyright (C) 2011 Dmitry Eremin-Solenikov  
Copyright (c) 2010 - 2011 B Labs Ltd







Version 2, June 1991

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> COPYING.LIB:

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> bsd\_user:

/\*\_

\* Copyright (c) 1982, 1986, 1993

\* The Regents of the University of California. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without

\* modification, are permitted provided that the following conditions

\* are met:

\* 1. Redistributions of source code must retain the above copyright

\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright

\* notice, this list of conditions and the following disclaimer in the

\* documentation and/or other materials provided with the distribution.

\* 4. Neither the name of the University nor the names of its contributors

\* may be used to endorse or promote products derived from this software

\* without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND

\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE

\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

\* SUCH DAMAGE.

\*

\* @(#)mman.h 8.2 (Berkeley) 1/9/95

\* \$FreeBSD: src/sys/sys/mman.h,v 1.42 2008/03/28 04:29:27 ps Exp \$

\*/

>>>> MIT Licenses found:

\* Copyright (c) 2004-2005 Vassili Karpov (malc)

\* Copyright (c) 1998 Fabrice Bellard

/\*

\* Block Dirty Bitmap

\*

\* Copyright (c) 2016-2017 Red Hat. Inc

\*

\* Permission is hereby granted, free of charge, to any person obtaining a copy

\* of this software and associated documentation files (the "Software"), to deal

\* in the Software without restriction, including without limitation the rights

\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:  
\*  
\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.  
\*  
\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL  
\* THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
\* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
\* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  
\* THE SOFTWARE.

/\*

\* QEMU 8253/8254 - internal interfaces

\*

\* Copyright (c) 2011 Jan Kiszka, Siemens AG

\*

\* Permission is hereby granted, free of charge, to any person obtaining a copy  
\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:

\*

\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.

\*

\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL  
\* THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
\* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
\* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  
\* THE SOFTWARE.

\*/

>>>> LGPL:

/\*

\* Atomic helper templates  
\* Included from tcg-runtime.c and cputlb.c.

\*

\* Copyright (c) 2016 Red Hat, Inc

\*

\* This library is free software; you can redistribute it and/or  
\* modify it under the terms of the GNU Lesser General Public  
\* License as published by the Free Software Foundation; either  
\* version 2 of the License, or (at your option) any later version.

\*

\* This library is distributed in the hope that it will be useful,  
\* but WITHOUT ANY WARRANTY; without even the implied warranty of  
\* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
\* Lesser General Public License for more details.

\*

\* You should have received a copy of the GNU Lesser General Public

\* License along with this library; if not, see <<http://www.gnu.org/licenses/>>.  
\*/

>>>>> docs/spin/\*.promela and aes.c:

/\*\*

\*

\* aes.c - integrated in QEMU by Fabrice Bellard from the OpenSSL project.

\*/

/\*\*

\* rijndael-alg-fst.c

\*

\* @version 3.0 (December 2000)

\*

\* Optimised ANSI C code for the Rijndael cipher (now AES)

\*

\* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

\* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

\* @author Paulo Barreto <paulo.barreto@terra.com.br>

\*

\* This code is hereby placed in the public domain.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHORS "AS IS" AND ANY EXPRESS  
\* OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE  
\* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR  
\* BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,  
\* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE  
\* OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE,  
\* EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

>>>>> BSD 2-Clause:

/\*\*

\* QEMU OMAP LCD Emulator templates

\*

\* Copyright (c) 2006 Andrzej Zaborowski <balrog@zabor.org>

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in  
\* the documentation and/or other materials provided with the  
\* distribution.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS"  
\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,  
\* THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A  
\* PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR

\* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,  
\* PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR  
\* PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY  
\* OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
\*/

>>>>> hw/timer/sun4v-rtc.c:

/\*  
\* QEMU sun4v Real Time Clock device  
\*  
\* The sun4v\_rtc device (sun4v tod clock)  
\*  
\* Copyright (c) 2016 Artyom Tarasenko  
\*  
\* This code is licensed under the GNU GPL v3 or (at your option) any later  
\* version.  
\*/

>>>>

\* QEMU backup  
\*  
\* Copyright (c) 2013 Proxmox Server Solutions  
\* Copyright (c) 2016 HUAWEI TECHNOLOGIES CO., LTD.  
\* Copyright (c) 2016 Intel Corporation  
\* Copyright (c) 2016 FUJITSU LIMITED  
\*  
\* Authors:  
\* Dietmar Maurer <dietmar@proxmox.com>  
\* Changlong Xie <xiecl.fnst@cn.fujitsu.com>  
\*  
\* This work is licensed under the terms of the GNU GPL, version 2 or later.  
\* See the COPYING file in the top-level directory.  
\*  
\*/

>>>>> Slirp:

Slirp was written by Danny Gasparovski.  
Copyright (c), 1995,1996 All Rights Reserved.

Slirp is maintained by Kelly Price <tygris+slirp@erols.com>

Slirp is free software; "free" as in you don't have to pay for it, and you  
are free to do whatever you want with it. I do not accept any donations,  
monetary or otherwise, for Slirp. Instead, I would ask you to pass this  
potential donation to your favorite charity. In fact, I encourage  
\*everyone\* who finds Slirp useful to make a small donation to their  
favorite charity (for example, GreenPeace). This is not a requirement, but  
a suggestion from someone who highly values the service they provide.

The copyright terms and conditions:

---BEGIN---

Copyright (c) 1995,1996 Danny Gasparovski. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL DANNY GASPAROVSKI OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---END---

This basically means you can do anything you want with the software, except 1) call it your own, and 2) claim warranty on it. There is no warranty for this software. None. Nada. If you lose a million dollars while using Slirp, that's your loss not mine. So, **\*\*\*USE AT YOUR OWN RISK!\*\*\***.

If these conditions cannot be met due to legal restrictions (E.g. where it is against the law to give out Software without warranty), you must cease using the software and delete all copies you have.

Slirp uses code that is copyrighted by the following people/organizations:

Juha Pirkola.  
Gregory M. Christy.  
The Regents of the University of California.  
Carnegie Mellon University.  
The Australian National University.  
RSA Data Security, Inc.

Please read the top of each source file for the details on the various copyrights.

```
>>>>> libvixl:  
LICENCE  
=====
```

The software in this repository is covered by the following licence.

```
// Copyright 2013, ARM Limited  
// All rights reserved.  
//  
// Redistribution and use in source and binary forms, with or without  
// modification, are permitted provided that the following conditions are met:
```

```
//
// * Redistributions of source code must retain the above copyright notice,
//   this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above copyright notice,
//   this list of conditions and the following disclaimer in the documentation
//   and/or other materials provided with the distribution.
// * Neither the name of ARM Limited nor the names of its contributors may be
//   used to endorse or promote products derived from this software without
//   specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS CONTRIBUTORS "AS IS" AND
// ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
// WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
// DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE
// FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
// DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
// SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
// CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
// OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
>>>>> Xilinx:
```

```
/*
 * QEMU remote-port network interface proxy.
 *
 * Copyright (c) 2019 Xilinx Inc.
 * Written by Edgar E. Iglesias
 *
 * Permission is hereby granted, free of charge, to any person obtaining a copy
 * of this software and associated documentation files (the "Software"), to deal
 * in the Software without restriction, including without limitation the rights
 * to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
 * copies of the Software, and to permit persons to whom the Software is
 * furnished to do so, subject to the following conditions:
 *
 * The above copyright notice and this permission notice shall be included in
 * all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
 * THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
 * LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
 * OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
 * THE SOFTWARE.
 */
```

Copyright 2007, 2009-2011 Alexander Graf

Copyright 2013, 2016-2017, 2019 Xilinx Inc. Written by Edgar E. Iglesias

Copyright (c) 2008 Edgar E. Iglesias (edgari@xilinx.com) Grant Likely (grant.likely@secretlab.ca)

Copyright 2011 NICTA Pty Ltd Originally written by Hans Jiang Updated by Peter Chubb

Copyright 2006 Thomas Sailer

Copyright 2010 Corentin Chary <corentin.chary@gmail.com>

Copyright 1995 Danny Gasparovski

Copyright 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2007 Free Software Foundation Inc. Contributed by

Richard Earnshaw (rwe@pegasus.esprit.ec.org)  
Copyright 2014 John Snow <jsnow@redhat.com>  
Copyright (c) 2008 Grant Likely (grant.likely@secretlab.ca)  
Copyright 2015 Samsung Electronics Co. Ltd. Written by Peter Maydell Reworked for GICv3 by Shlomo Pongratz and Pavel Fedin  
Copyright (c) 2016 John Arbuckle  
(c) 2003 Fabrice Bellard usage runcom file.com VM86 Run simple .com DOS executables  
Copyright 2010-2015 IBM Corp Authors Stefan Berger <stefanb@us.ibm.com>  
Copyright 2016 Reda Sallahi  
Copyright (c) 2017 Red Hat Inc. Authors Igor Mammedov <imammedo@redhat.com>  
Copyright (C) 2015 Intel Corporation Author Liang Li <liang.z.li@intel.com>  
Copyright (c) 2012 Petalogix Pty Ltd. Written by Haibing Ma  
Copyright 2013 Hitachi Ltd  
Copyright (C) 1998 Kenneth Albanowski <kjahds@kjahds.com> The Silver Hammer Group Ltd.  
Copyright 2012, 2015-2016 Corey Minyard <cminyard@mvista.com>  
Copyright (c) 2013 Guillaume Subiron  
Copyright 2012 ProfitBricks GmbH  
Copyright 2008 Shin-ichiro KAWASAKI  
Copyright 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 Free Software Foundation Inc. Contributed by Ralph Campbell and OSF  
Copyright (C) 2014 Li Guang  
Copyright 2008 yajin (yajin@vm-kernel.org)  
Copyright 2013-2014 Li Guang Written by Li Guang <lig.fnst@cn.fujitsu.com>  
Copyright (C) International Business Machines Corp. 2005  
Copyright 2006 Joachim Henke  
Copyright (c) 2007 by Thorsten Zitterell <info@bitmux.org>  
Copyright (C) 2001-2005 Russell King  
Copyright (c) 2012 Red Hat Inc. Written by Juan Quintela <quintela@redhat.com>  
Copyright 2013, 2017 Mark Cave-Ayland  
Copyright 1993 Harm Hanemaayer partially  
Copyright 2008 Andrzej Zaborowski  
Copyright (C) 1998-2001 2003 Thomas Sailer (t.sailer@alumni.ethz.ch)  
Copyright (C) 2007 Davide Libenzi <davidel@xmailserver.org>  
Copyright 2011 Linaro Ltd Written by Paul Brook Peter Maydell  
Copyright 2000 2001 2002 2004 2005 2006 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden. Written by Hans-Peter Nilsson.  
Copyright 1999 Jeff Garzik <jgarzik@pobox.com>  
Copyright 2011-2012, 2014 Red Hat Inc. Author Michael S. Tsirkin <mst@redhat.com>  
Copyright 1994-2007 Free Software Foundation Inc. Written by Ian Lance Taylor Cygnus Support  
Copyright Fujitsu Inc. 2014  
Copyright 2011 Michal Simek <monstr@monstr.eu>  
Copyright 2017 Emilio G. Cota <cota@braap.org> License GNU GPL  
Copyright 2011 SeaBIOS VBE  
Copyright Rusty Russell IBM Corporation 2007  
Copyright (c) 2011 Calxeda Inc.  
Copyright 2006-2007 Openedhand Ltd  
Copyright 2012 Mohamad Gebai <mohamad.gebai@polymtl.ca>  
Copyright (c) 2015 Samsung Electronics Co. Ltd. Written by Pavel Fedin <p.fedin@samsung.com>  
Copyright (C) 1998-2004 Samuel Rydh (samuel@ibrium.se)  
Copyright (C) 2006. Bob Jenkins (bob\_jenkins@burtleburtle.net)  
Copyright 2005-2009 CodeSourcery  
Copyright (c) 2006 Marius Groeger  
Copyright 2012, 2014-2015 GreenSocs Ltd  
Copyright (C) 2007-2009 Nokia Corporation Original code written by Andrzej Zaborowski <andrew@openedhand.com>  
Enhancements for OMAP3 and NAND support written by Juha Riihimki  
Copyright 2008-2009 Arnaud Patard <arnaud.patard@rtp-net.org>



Copyright (C) 1999-2000 Maxim Krasnyansky <max\_mk@yahoo.com>  
Copyright 2009-2010 Nippon Telegraph and Telephone Corp  
Copyright (c) 2015 SUSE Linux GmbH  
Copyright 2000-2003 David McCullough <davidm@snapgear.com>  
Copyright 1988-1992 Richard Outerbridge  
Copyright 2013 Mike D. Day IBM Corp  
Copyright (C) 2013 Cavium Inc. Authors Sanjay Lal <sanjayl@kymasys.com>  
Copyright (C) 2011 Red Hat Inc. Authors Alex Williamson <alex.williamson@redhat.com>  
Copyright 2015-2017 Thomas Huth Red Hat Inc  
Copyright (c) 2007 OpenedHand Ltd. Written by Andrzej Zaborowski <andrew@openedhand.com>  
Copyright (c) 2010 Huacai Chen <zltjiangshi@gmail.com>  
Copyright 2007 IBM Corporation. Authors Jerone Young <jyoung5@us.ibm.com>  
Copyright 2008 Dell MessageOne  
Copyright 2015 David Kiarie <davidkiarie4@gmail.com>  
Copyright 2016 Dmitry Osipenko <digetx@gmail.com>  
Copyright 2008-2010, 2013 Anthony Green  
Copyright 2009-2010, 2013, 2015 Alexander Graf <agraf@suse.de>  
Copyright 2005, 2009 CodeSourcery LLC. Written by Paul Brook  
Copyright (c) 2009-2017 QEMU contributors  
Copyright (C) 1996 Paul Mackerras.  
Copyright 2005 Samuel Tardieu  
Copyright 2005, 2012-2014 Cisco Systems  
Copyright 2012-2013 Peter Crosthwaite <peter.crosthwaite@xilinx.com>  
(C) Copyright 2008 Semihalf  
Copyright (c) 2007 Bull S.A.S. Based on code by Paul Brook Based on code by Fabrice Bellard  
Copyright 2008 Herbert Xu <herbert@gondor.apana.org.au>  
Copyright 2008 Max Krasnyansky Support for host device auto connect & disconnect Major rewrite to support fully async operation  
Copyright 2012, 2015-2016 Igalia S.L. Author Alberto Garcia <berto@igalia.com>  
Copyright 2008 Qumranet Based on work done by  
Copyright 2009 Michal Simek  
Copyright (c) 2012 Peter A.G. Crosthwaite (peter.crosthwaite@xilinx.com)  
Copyright (c) 2008 Gleb Natapov  
Copyright 2016-2017 GreenSocs  
Copyright 2011-2013, 2016 Fujitsu Corp  
Copyright 2010-2012 Peter A. G. Crosthwaite <peter.crosthwaite@petalogix.com>  
Copyright 2012 Chris Wulff <crwulff@gmail.com>  
Copyright 2016 FUJITSU Ltd Author Zhang Chen <zhangchen.fnst@cn.fujitsu.com>  
Copyright 1999 Ben Pfaff and Petr Vandrovec Based on VGA info at <http://www.osdever.net/FreeVGA/home.htm> Based on VESA framebuffer  
Copyright 2004 Johannes Schindelin  
Copyright 1996 1998 1999 2000 2001 Free Software Foundation Inc. Contributed by Richard Henderson <rth@tamu.edu> patterned after the PPC opcode handling written by Ian Lance Taylor.  
Copyright 2015 Paulo Alcantara <pcaajr@zytor.com>  
Copyright 2011 Samsung Electronics Co. Ltd. Mitsyanko Igor <i.mitsyanko@samsung.com> Peter A.G. Crosthwaite <peter.crosthwaite@petalogix.com>  
Copyright (c) 2015 Microsoft Written by Andrew Baumann Based on pl011.  
Copyright (c) 2001 2002 2003 2004 2005 2006 Python Software Foundation All Rights Reserved are retained in Python alone or in any derivative version  
Copyright (c) 1991 - 1995 Stichting Mathematisch Centrum Amsterdam The Netherlands. All rights reserved.  
Copyright (c) 2010 David Gibson IBM Corporation <dwg@au1.ibm.com>  
Copyright 2013 Maxime Ripard <maxime.ripard@free-electrons.com>  
Copyright (c) 2006 XenSource  
Copyright 2011-2012 Max Filippov Open Source and Linux Lab  
Copyright (C) 1998 Kenneth Albanowski <kjahds@kjahds.com> JAN  
Copyright (C) 2010 Blue Swirl <blauwirbel@gmail.com>

Copyright (C) 2012 Samsung Electronics Co Ltd. Maksim Kozlov <m.kozlov@samsung.com> Igor Mitsyanko <i.mitsyanko@samsung.com>  
Copyright 2017 Aporeto  
Copyright 2015-2016 Igalia S.L  
Copyright 2017 IBM Corp Author  
Copyright 2012-2014 Bastian Koppelman C-Lab University Paderborn  
Copyright (C) 2010-2011 Christian Brunner <chb@muc.de> Josh Durgin <josh.durgin@dreamhost.com>  
Copyright (c) 2012 Verizon Inc.  
Copyright (c) 2012 Oskar Andero <oskar.andero@gmail.com>  
Copyright 1998-2003 Daniel Veillard  
Copyright (C) 2014 - Linaro Author Rob Herring <rob.herring@linaro.org>  
Copyright 2016 Linaro Ltd Written by Shlomo Pongratz Peter Maydell  
Copyright (c) 2016 BALATON Zoltan  
Copyright 2006-2008 Qumranet Technologies  
Copyright 2002-2005 Vassili Karpov  
Copyright (C) 2000 2001 Lineo by David McCullough <davidm@lineo.com> based heavily on  
Copyright 2006-2007 Thiemo Seufer  
Copyright 2008 IBM Muli Ben-Yehuda (muli@il.ibm.com)  
Copyright 2009, 2013 Red Hat Inc Michael S. Tsirkin (mst@redhat.com)  
Copyright 2013 Knut Omang Oracle <knut.omang@oracle.com>  
Copyright 2004, 2006-2017 Red hat Inc  
Copyright (c) 2015 Linaro Inc.  
Copyright (C) 1999 2000 Tatsuyuki Satoh MultiArcadeMachineEmurator development  
Copyright (c) 2016 Xilinx Inc. Written by Alistair Francis <alistair.francis@xilinx.com>  
Copyright 2017 Krzysztof Kozlowski <krzk@kernel.org>  
Copyright (C) 2013 Nodalink SARL.  
Copyright 2012 Stefan Roese <sr@denx.de>  
Copyright 2007 Neocleus Alex Novik (alex@neocleus.com)  
Copyright (C) 2017 Red Hat Inc. <pbonzini@redhat.com>  
Copyright 2000-2011 Samsung Electronics Co. Ltd  
Copyright 2014 Neil Horman <nhorman@tuxdriver.com>  
Copyright (c) 2012 Samsung Electronics Co. Ltd. Ogurtsov Oleg <o.ogurtsov@samsung.com>  
(c) 1998 Gerd Knorr  
Copyright 2014-2016 Imagination Technologies  
Copyright (c) 2011 by Vasily Khoruzhick <anarsoul@gmail.com>  
Copyright (c) 2000-2010 LSI Logic Corporation and its contributors. All rights reserved.  
Copyright 2017 Subbaraya Sundeep <sundeep.lkml@gmail.com>  
Copyright (c) 2009 Mathieu Desnoyers <mathieu.desnoyers@efficios.com>  
Copyright 2011 Samsung Electronics Co Ltd. Maksim Kozlov <m.kozlov@samsung.com>  
Copyright 2000-2003, 2005 Free Software Foundation Inc. Contributed by Martin Schwidefsky (schwidefsky@de.ibm.com)  
Copyright (C) 2014 Linaro Ltd. Author Anup Patel <anup.patel@linaro.org>  
Copyright (C) 2007 Vladimir Ananiev <vovan888@gmail.com>  
Copyright (C) 1996 by ACN S.A  
Copyright 2015 Microsoft. Written by Andrew Baumann  
Copyright 2004 Cisco Systems Inc  
Copyright 2011-2012, 2014, 2016-2017 Linaro Ltd Written by Peter Maydell  
Copyright 2009 Laurent Vivier  
Copyright 2012 Peter A.G. Crosthwaite (peter.croshtwaite@petalogix.com)  
Copyright 2008 Jan Kiszka  
Copyright 2006, 8139 Igor Kovalenko  
Copyright (c) 2016 Red Hat Inc. and or its affiliates based on the vhost-user-test.  
Copyright (C) Stefan Hajnoczi <stefanha@redhat.com> 2015  
Copyright (c) 2012-2013 Luigi Rizzo  
Copyright (c) 2007 MontaVista Software Inc Written by Armin Kuster <akuster@kama-aina.net> or <Akuster@mvista.com>  
Copyright 2003-2017 IBM Corp  
Copyright 2003-2007 Jocelyn Mayer

Copyright (C) 2014 Leandro Dorileo <l@dorileo.org>  
Copyright 1983-1999 Apple Computer Inc. All Rights Reserved  
Copyright Gavin Shan IBM Corporation 2016  
Copyright 2011 Intel Corp Written by Jiang Yunhong<yunhong.jiang@intel.com>  
Copyright 2012 Peter A.G. Crosthwaite (peter.crosthwaite@petalogix.com)  
Copyright 2014-2015 Denis V. Lunev <den@openvz.org>  
Copyright 2005, 2007 Alex Beregszaszi  
Copyright 2014 Marc Mar  
Copyright 2007-2008 OpenMoko Inc. Written by Andrzej Zaborowski <andrew@openedhand.com>  
Copyright (c) 2015-2016 Red Hat Inc. Authors Marc Mar <marc.mari.barcelo@gmail.com>  
Copyright (c) 2015 Denis Lunev  
Copyright 2008 Qumranet  
Copyright (c) 2007 Magnus Damm Based on arm  
Copyright 2007-2009 Nokia Corp  
Copyright 2012 Gregory Estrade Upstreaming code cleanup  
Copyright 2014-2017 HUAWEI TECHNOLOGIES CO. LTD  
Copyright (C) 1995 1996 David S. Miller (davem@caip.rutgers.edu)  
Copyright 2017 Linaro Ltd Written by Peter Maydell <peter.maydell@linaro.org>  
Copyright (c) 2008 Lubomir Rintel  
Copyright (C) 2000-2001 Qualcomm Incorporated  
Copyright 2012 Gregory Estrade Refactoring for Pi2  
Copyright (c) 2006 2007 IBM Corp. Josh Boyer <jwboyer@linux.vnet.ibm.com>  
Copyright 2002 RealVNC Ltd  
Copyright 2013 Antony Pavlov <antonypavlov@gmail.com>  
Copyright (c) 2015 Hans de Goede <hdegoede@redhat.com>  
Copyright (C) James Yonan 2003-2004  
Copyright 2012 Tim Hardeck  
Copyright (C) 2001-2007 Greg Kroah-Hartman (greg@kroah.com)  
Copyright (c) 2006 CodeSourcery. Based on code by Fabrice Bellard  
Copyright 1999-2002 Vojtech Pavlik  
Copyright (c) 2010-2015 Institute for System Programming  
Copyright 2014 6WIND S.A  
(c) 2007 2008 Andy Whitcroft <apw@uk.ibm.com>  
Copyright 2008 IBM Corp. Authors Jerone Young <jyoung5@us.ibm.com> Hollis Blanchard <hollisb@us.ibm.com>  
Copyright 2008-2012 Andrzej Zaborowski <balrogg@gmail.com>  
Copyright (C) 2015 John Snow for Red Hat Inc.  
Copyright 2015 Microsoft Written by Andrew Baumann  
Copyright 1998 Owen Taylor  
Copyright (c) 2015 Samsung Electronics Co. Ltd. Written by Pavel Fedin Based on vGICv2 code by Peter Maydell  
Copyright 2015 Huawei  
Copyright 2012 Alex Horn <alex.horn@cs.ox.ac.uk>  
Copyright 2011-2012 Jia Liu <proljc@gmail.com> Zhizhou Zhang <etouzh@gmail.com>  
Copyright 2014, 2016 FUJITSU Ltd  
Copyright (C) 2017 Philippe Mathieu-Daud. GPLv2  
Copyright 2001, 2010-2019 Xilinx Inc  
Copyright 2016 Ben Herrenschmidt  
Copyright 2017 Skyport Systems  
Copyright (C) 2005 Craig Shelley (craig@microtron.org.uk)  
Copyright 2008 OK Labs  
Copyright 2007-2013, 2016-2017 Herv Poussineau  
Copyright 2017-2018 Philippe Mathieu-Daud <f4bug@amsat.org>  
Copyright 2013 Huawei Technologies Duesseldorf GmbH Written by Claudio Fontana  
Copyright (C) 2010 Corentin Chary  
Copyright 2013 Jean-Christophe Dubois. <jcd@tribudubois.net>  
Copyright 2011 Red Hat. Written by Alon Levy  
Copyright 2004-2005 Johannes E. Schindelin

Copyright (c) 2012 Catalin Patulea  
Copyright (c) 2012 PetaLogix Pty Ltd. Based on hw arm  
Copyright (c) 2017 Nikunj A Dadhanania IBM Corporation.  
Copyright (C) 2015 Linaro All rights reserved.  
Copyright 2013 Jan Petrous  
Copyright (c) 2008 2010-2011 2016 Samuel Thibault  
Copyright 2006 Hitachi Systems & Services Ltd  
Copyright 2012 Linaro Ltd. Written by Peter Maydell  
Copyright 2008 OKL  
Copyright 2006-2007 Aurelien Jarno  
Copyright (C) 2013 Michael R. Hines <mrhines@us.ibm.com>  
Copyright 2013-2018 Xilinx Inc Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>  
Copyright (c) 2007 AXIS Communications Written by Edgar E. Iglesias  
Copyright 2010-2013 AdaCore  
Copyright 2016-2017 Emilio G. Cota <cota@braap.org>  
Copyright 2009, 2011 Edgar E. Iglesias <edgar.iglesias@gmail.com>  
Copyright 2008 Bull S.A.S. Author Laurent Vivier <Laurent.Vivier@bull.net>  
Copyright 2011 NICTA Pty Ltd Originally written by Hans Jiang Updated by Jean-Christophe Dubois <jcd@tribudubois.net>  
Copyright 2017 Antfield SAS  
Copyright Freescale Inc. 2013  
Copyright 2008 OKL Originally Written by Hans Jiang  
Copyright 2010-2011 Citrix Ltd  
Copyright 2007-2010 Edgar E. Iglesias Axis Communications AB  
Copyright 2014-2017 Vladimir Sementsov-Ogievskiy  
Copyright 2008-2009 VMware Inc  
Copyright (C) 2001 OKTET Ltd. St.-Petersburg Russia Author Alexandra Kossovsky <sasha@oktet.ru> Victor V. Vengerov <vvv@oktet.ru>  
Copyright (C) 2002-2003 Maxim Krasnyansky <maxk@qualcomm.com>  
Copyright (c) 2015 Samsung Electronics Written by Pavel Fedin  
Copyright 2016-2017 Suraj Jitindar Singh IBM Corp  
Copyright 2012 Jason Baron <jbaron@redhat.com>  
Copyright 2007 OpenMoko Inc  
Copyright 2009 Xiantao Zhang Intel  
Copyright 2000-2002 Constantin Kaplinsky  
Copyright (c) 2008 Edgar E. Iglesias Grant Likely (grant.likely@secretlab.ca).  
Copyright 2009-2012, 2014 Amit Shah <amit.shah@redhat.com>  
Copyright 2015-2016 Corey Minyard MontaVista Software LLC  
Copyright Alex Benne 2014  
Copyright 2011 Dmitry Eremin-Solenikov  
Copyright (c) 2009 CodeSourcery Written by Paul Brook <paul@codesourcery.com>  
Copyright (C) 2007-2008 Lauro Ramos Venancio <lauro.venancio@indt.org.br>  
Copyright (C) 2012-2016 Free Software Foundation Inc. Contributed by Nigel Gray (ngray@altera.com). Contributed by Mentor Graphics Inc.  
Copyright 2013, 2016 Jean-Christophe Dubois  
Copyright (c) 2012 Linaro Limited Written by Peter Maydell Save Restore logic added by Christoffer Dall.  
Copyright (C) 2013 Clouidius Systems Ltd.  
Copyright (c) 1995-2001 Corporation for National Research Initiatives All Rights Reserved are retained in Python  
Copyright 2016 Nutanix Inc  
Copyright (C) 2009 - 2010 Johan Hovold (jhovold@gmail.com)  
Copyright 2011-2012 PetaLogix  
Copyright (c) 2008 Intel Corporation <andrew.zaborowski@intel.com>  
Copyright 1998-1999 Rebel.com  
Copyright 2012 Virtual Open Systems and Columbia University Author Christoffer Dall <c.dall@virtualopensystems.com>  
Copyright 2011 Written by Mathieu Sonet - www.elasticsheep.com  
Copyright 2007 Arastra Inc  
Copyright 2014 Fujitsu

Copyright (C) 2009 Anthony Liguori <aliguori@us.ibm.com>  
Copyright 2009-2010 Christoffer Dall  
Copyright 1994 Drew Eckhardt  
Copyright (c) 2005 Filip Navara  
Copyright 2011 Securiforest Date  
Copyright 2015 Andrey Smetanin <asmetanin@virtuozzo.com>  
Copyright 2005-2007, 2012 CodeSourcery LLC  
Copyright (C) 1999 - 2001 Greg Kroah-Hartman (greg@kroah.com) Bill Ryder (bryder@sgi.com)  
Copyright 2016 Huawei Technologies Duesseldorf GmbH  
Copyright 2012 PetaLogix Pty Ltd. Written by Haibing Ma M.Habib  
Copyright (c) 2008 Dmitry Baryshkov  
Copyright (c) 2016 Xilinx Inc. Written by Sai Pavan Boddu <saipava@xilinx.com>  
Copyright (C) 2013 Alex Bligh (alex@alex.org.uk)  
Copyright 2008 2008 TJ <linux@tjworld.net>  
(c) 2005 Joel Schopp <jschopp@austin.ibm.com>  
Copyright 2011-2012 Petalogix Pty Ltd  
Copyright 1993 by Theodore Ts'o. Redistribution of this file is permitted under the GNU General Public License.  
Copyright 2012-2014 Nodalink EURL  
Copyright (C) 2008 IBM Corporation Written by Rusty Russell <rusty@rustcorp.com.au>  
Copyright (c) 2012 Bob Breuer  
Copyright (C) 2012 Ryota Ozaki <ozaki.ryota@gmail.com>  
Copyright 2006 Thorsten Zitterell  
Copyright 2008-2010 Kevin O'Connor <kevin@koconnor.net>  
Copyright (C) Asias He <asias@redhat.com> 2013  
Copyright (c) 2016 Leif Lindholm <leif.lindholm@linaro.org> Linaro Ltd.  
Copyright (C) 2006-2008 Intel Corporation Author Ashok Raj <ashok.raj@intel.com> Author Anil S Keshavamurthy <anil.s.keshavamurthy@intel.com>  
Copyright 2007, 2009, 2014 Red Hat  
Copyright (c) 2007 Magnus Damm Based on sh  
Copyright 2012 Peter Crosthwaite <peter.crosthwaite@petalogix.com>  
Copyright (c) 2010 Xilinx.  
Copyright (C) 2017 Skyport Systems Inc.  
Copyright (c) 2012 Avi Kivity Gerd Hoffmann Marcelo Tosatti  
Copyright 2011 NICTA Pty Ltd. Updated by Jean-Christophe Dubois <jcd@tribudubois.net>  
Copyright (c) 2011 Linaro Limited Written by Bahadir Balban Amit Mahajan Peter Maydell  
Copyright (c) 2015 David Ahern <dsahern@gmail.com>  
Copyright 2005, 2007 Free Software Foundation Inc. Contributed by IBM Corp. Author Mike Cowlshaw  
Copyright 2015 FUJITSU Ltd Author Yang Hongyang <yanghy@cn.fujitsu.com>  
(c) 1993 Tommy Frandsen  
Copyright (c) 2007 Marko Kohtala  
Copyright (c) 2008 Edgar E. Iglesias (edgari@xilinx.com)  
Copyright (C) 2016 Alexander Shopov <ash@kambanaria.org> This file is distributed under the same license as the qemu package. Alexander Shopov <ash@kambanaria.org>  
Copyright 2010-2013 David Gibson IBM Corp  
Copyright (c) 2003-2017 Fabrice Bellard and other QEMU contributors  
Copyright (C) 2013 - 2014 Linaro Ltd <ard.biesheuvel@linaro.org>  
Copyright (c) 2016 17 Gerd Hoffmann  
Copyright 2013 Guillaume Subiron Yann Bordenave Serigne Modou Wagne  
Copyright (C) 1995 96 97 98 99 2000 by Ralf Baechle  
COPYRIGHT (C) CREATIVE TECHNOLOGY LTD 1992  
Copyright 2010 Joel Martin  
Copyright Mian-M. Hamayun 2013  
copyrighted (C) 1993 by Hartmut Schirmer  
Copyright 2007-2012 Herve Poussineau  
Copyright 2000, 2012 MIPS Technologies Inc  
Copyright 2010 Sebastian Herbszt <herbszt@gmx.de>

Copyright (C) 2008 Jean-Christophe PLAGNIOL-VILLARD <plagnioj@jcrosoft.com>  
Copyright 2007 Magnus Damm  
Copyright (c) 2014 Xilinx Written by Edgar E. Iglesias  
Copyright 2009 Ulrich Hecht <uli@suse.de>  
Copyright 2003 Sun Microsystems Inc  
Copyright 2003 Thomas M. Ogrisegg <tom@fnord.at>  
Copyright 2009 Hewlett-Packard Development Co L.P  
Copyright 2008 Qumranet Amit Shah (amit.shah@qumranet.com)  
Copyright 2009 Aurelien Jarno <aurelien@aurel32.net> Based on  
Copyright (c) 1999-2006 Ralf S. Engelschall <rse@engelschall.com>  
Copyright 2013, 2015 Xilinx Inc Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>  
Copyright (c) 2016 Bastian Koppelman University of Paderborn  
Copyright (c) 2010 2011 Benjamin Herrens Schmidt IBM Corporation.  
Copyright 2000-2001 Const Kaplinsky  
Copyright 1998, 2003-2008, 2013 Fabrice Bellard  
Copyright 2010-2011, 2016 Richard Henderson <rth@twiddle.net>  
Copyright 2011-2013 Andreas Frber  
Copyright (C) 2012 2013 - ARM Ltd Author Marc Zyngier <marc.zyngier@arm.com>  
Copyright 2016-2017 Parallels International GmbH  
Copyright 2009-2012 PetaLogix Qld Pty Ltd  
Copyright 2010, 2012-2013, 2016 Artyom Tarasenko  
(c) 2012 Gerd Hoffmann <krxel@redhat.com> Completely rewritten to use libusb instead of usbfs ioctls.  
Copyright 2013 Edgar E. Iglesias <edgar.iglesias@xilinx.com>  
Copyright 2011 IAIK Graz University of Technology Author Andreas Niederl  
Copyright 2012 NICTA Updated by Jean-Christophe Dubois <jcd@tribudubois.net>  
Copyright 2014 Citrix Systems UK Ltd  
Copyright (C) 2012-2016 Yann Collet  
Copyright (c) 2004 Magnus Damm <damm@opensource.se>  
Copyright 1646, 1856, 2008-2009, 2013, 2015-2016 Gerd Hoffmann <krxel@redhat.com>  
Copyright (c) 2016-2017 Red Hat. Inc  
Copyright 2013-2014 Virtual Open Systems Sarl  
Copyright (c) 2012 PetaLogix Pty Ltd. Written by Paul Brook  
Copyright 2010-2017 Institute for System Programming of the Russian Academy of Sciences  
Copyright 2006-2008 Openedhand Ltd. Written by Andrzej Zaborowski <balrog@zabor.org>  
Copyright (C) 2002 Kuba Ober (kuba@mareimbrium.org)  
Copyright 2006-2012, 2016 Stefan Weil  
Copyright 2007 Neocleus Guy Zana (guy@neocleus.com)  
Copyright 2005-2009 CodeSourcery. Written by Paul Brook  
Copyright 2009-2011 Isaku Yamahata  
Copyright 2014 Xilinx Inc. Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>  
Copyright (c) 2017 Veritas Technologies LLC.  
Copyright 2011 Eduard - Gabriel Munteanu  
Copyright 2008 IBM Corporation. Authors Hollis Blanchard <hollisb@us.ibm.com>  
Copyright 1999 AT&T Laboratories Cambridge  
Copyright (C) 2012 Peter A. G. Crosthwaite <peter.crosthwaite@xilinx.com>  
Copyright 1998-1999 Philip Blundell  
Copyright 2012-2014 SUSE LINUX Products GmbH  
Copyright 2015 Samsung Electronics Co. Ltd. Written by Pavel Fedin  
Copyright 2016 David Gibson Red Hat Inc. <dgibson@redhat.com>  
Copyright 2013 Xilinx Inc Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com> Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>  
Copyright 2000-2001, 2004 Free Software Foundation Inc. Contributed by Axis Communications AB Lund Sweden.  
Originally written for GAS  
Copyright 2016 Google Inc  
Copyright 2017 Nir Soffer <nirsof@gmail.com>  
Copyright (c) 2009 Alexander Graf <agraf@suse.de> Author

Copyright 2014 Jiri Pirko <jiri@resnulli.us>  
Copyright 2009 Raymond Hettinger  
Copyright (C) 2012-2020 ASPEED Technology Inc.  
Copyright (c) 2014-2016 BenH IBM Corporation.  
Copyright 2005-2007 Anthony Liguori <anthony@codemonkey.ws>  
Copyright 1997--1999 Martin Mares <mj@ucw.cz>  
Copyright (c) 2010 David Gibson IBM Corporation <david@gibson.dropbear.id.au> Based on the  
Copyright (c) 2012 Citrix  
(c) 2001 Dave Jones.  
Copyright 2012-2014 Imagination Technologies Ltd. Authors Sanjay Lal <sanjayl@kymasys.com>  
Copyright 2009-2011 Edgar E. Iglesias  
Copyright 2010 Huacai Chen (zltjiangshi@gmail.com)  
Copyright 2011-2012 Jan Kiszka Siemens AG  
Copyright (C) 2010 Broadcom  
Copyright 2007 Dan Aloni  
Copyright (c) 2015 Thomas Huth IBM Corporation  
Copyright (C) 2013 Red Hat Inc. Richard W.M. Jones <rjones@redhat.com>  
Copyright 2010-2012 Guan Xuetao  
Copyright 2005 Rohit Kumar Johannes E. Schindelin  
Copyright 2014 Le Tan <tamllokveer@gmail.com>  
Copyright (c) 2017 Intel Corporation Author Amarnath Valluri <amarnath.valluri@intel.com>  
Copyright 2010-2014 Michael Walle <michael@walle.cc>  
Copyright 2011-2012 Jia Liu <proljc@gmail.com> Feng Gao <gf91597@gmail.com>  
Copyright 2012, 2015 Ravello Systems LTD  
Copyright 2014 David Gibson Red Hat.  
Copyright 2016 Fred KONRAD <fred.konrad@greensocs.com>  
Copyright 2007-2008, 2010 AXIS Communications AB Written by Edgar E. Iglesias  
Copyright (c) 2008 Paul Mundt  
Copyright (c) 2009 Kevin Wolf <kwolf@suse.de>  
Copyright 2009-2010 Samsung Electronics. Contributed by Kirill Batuzov <batuzovk@ispras.ru>  
Copyright (c) 1996-1999 Eduardo Horvath  
Copyright (c) 2010 - 2011 B Labs Ltd.  
Copyright 2000-2005 Wolfgang Denk DENX Software Engineering wd@denx.de  
Copyright 2015 Chen Gang  
Copyright 2013 Peter Xilinx Inc  
Copyright 2012-2017 IBM Corp. Author  
Copyright 2010 qiaochong@loongson.cn  
Copyright 2014 Beniamino Galvani <b.galvani@gmail.com>  
Copyright (c) 2012 Klaus Stengel  
Copyright 2012-2017 Peter Lieven <pl@kamp.de>  
Copyright 2000-2007 Tibor TS Schtz  
Copyright 2009 chenming (chenming@rdc.faw.com.cn)  
Copyright 1999-2016 Intel Corp  
Copyright 2011-2017 Linaro Ltd  
Copyright 2016 Peter Xu Red Hat <peterx@redhat.com>  
Copyright 2008-2014 Freescale Semiconductor Inc  
Copyright 2012 Gregory Estrade  
Copyright (c) 2015 Guenter Roeck <linux@roeck-us.net>  
Copyright 2012, 2016 Bharata B Rao <bharata@linux.vnet.ibm.com>  
Copyright (c) 2007 Robert Reif  
Copyright (c) 2008 Takashi YOSHII  
Copyright 2005-2008 Andrzej Zaborowski <balrog@zabor.org>  
Copyright 2009 Novell Inc  
Copyright(c) 2008 Emutex Ltd. (address@hidden)  
Copyright 2013 Hitachi Data Systems Corp  
(c) 2008-2010 Andy Whitcroft <apw@canonical.com> Licensed under the terms of the GNU GPL License version

Copyright (c) 2009 Loc Minier  
Copyright (c) 2016 Anatoli Huseul  
Copyright 2011-2015, 2017 Red Hat Inc. and or its affiliates  
Copyright 2005-2007 CodeSourcery Written by Paul Brook  
Copyright (c) 2012 Xilinx. Inc  
Copyright 2009-2012 Hannes Reinecke SUSE Labs  
Copyright 2012-2015 Jiri Slaby  
Copyright 1999-2006 Silicon Graphics Inc  
Copyright (C) 2010 Tobias Klauser <tklauser@distanz.ch>  
Copyright 2010-2011 GUAN Xue-tao  
Copyright 2010 Roland Elek <elek.roland@gmail.com>  
Copyright (C) 1991 1992 1996 Linus Torvalds linux fs binfmt  
Copyright 2015 John Snow <jsnow@redhat.com> and Red Hat Inc. All rights reserved.  
Copyright (c) 2004 Gianni Tedesco  
Copyright 2011-2015 ARM Ltd  
Copyright 2017 Manos Pitsidianakis  
Copyright (C) 2016 Xilinx Inc. Written by Li Guang <lig.fnst@cn.fujitsu.com>  
Copyright 2016 Linaro Ltd. Written by Shlomo Pongratz Peter Maydell  
Copyright (C) 2004 Clemens Fruhwirth <clemens@endorphin.org>  
Copyright 2015 IBM Corp. Author Eugene jno Dvurechenski <jno@linux.vnet.ibm.com>  
Copyright (c) 2010 David Gibson IBM Corporation <dwg@au1.ibm.com> Based on the  
Copyright 2011-2017 Llus Vilanova <vilanova@ac.upc.edu>  
Copyright 2007 Neocleus Corp  
Copyright 2013 Alex Benne <alex@bennee.com>  
Copyright 2013 IBM Inc  
Copyright 2011 Siemens AG  
Copyright 2010-2012 Calxeda  
Copyright 2013 SUSE LINUX Products GmbH Written by Paul Brook and Andreas Frber  
Copyright 1986-2017 Free Software Foundation Inc  
Copyright (c) 2016 FUJITSU LIMITED Author Changlong Xie <xiecl.fnst@cn.fujitsu.com>  
Copyright 1982, 1986, 1988-1994 The Regents of the University of California  
Copyright 2011-2012 Jia Liu <proljc@gmail.com>  
Copyright (c) 2010 Sebastien Bourdeauducq <sebastien.bourdeauducq@lekernel.net>  
Copyright 2005, 2008 Mike Kronenberg  
Copyright 2012 Peter A. G. Crosthwaite  
Copyright 2008-2009, 2016 Citrix Systems Inc  
Copyright 2017 Marcin Chojnacki <marcinch7@gmail.com>  
Copyright 2014 Scott Feldman <sfeldma@gmail.com>  
Copyright 2008 OKL and  
Copyright (c) 2010-2011 Ronnie Sahlberg <ronniesahlberg@gmail.com>  
Copyright 2004 Antony T Curtis  
Copyright 2008 Samuel Thibault <samuel.thibault@ens-lyon.org> Written by Paul Brook reused for FTDI by Samuel Thibault  
Copyright 2011-2015 Alexey Kardashevskiy IBM Corp  
Copyright (c) 2015 Guenter Roeck Based on hw misc zynq  
Copyright 2007-2009 Nokia Corp Written by Andrzej Zaborowski <andrew@openedhand.com>  
Copyright 2011 Linaro Ltd. Written by Paul Brook Peter Maydell  
Copyright 2016 Richard Henderson  
Copyright 2009 Ulrich Hecht  
Copyright 2008-2009 Paul E. McKenney IBM Corp  
Copyright (c) 2012 PetaLogix Pty Ltd. Written By Haibing Ma M. Habib  
Copyright (C) 2002-2006 Marcel Holtmann <marcel@holtmann.org>  
Copyright (C) 2015 Timothy Edward Baldwin <T.E.Baldwin99@members.leeds.ac.uk>  
Copyright 2013, 2015-2016 Jean-Christophe Dubois <jcd@tribudubois.net>  
Copyright 2016 Marek Vasut <marek.vasut@gmail.com>  
Copyright (c) 2012 Jia Liu <proljc@gmail.com> Dongxue Zhang <elta.era@gmail.com> This library is free software you can





2 or (at your option) any later version.

As of July 2013, contributions under version 2 of the GNU General Public License (and no later version) are only accepted for the following files or directories: `bsd-user/`, `linux-user/`, `hw/vfio/`, `hw/xen/xen_pt*`.

3) The Tiny Code Generator (TCG) is mostly under the BSD or MIT licenses; but some parts may be GPLv2 or other licenses. Again, see the specific licensing information in each source file.

4) QEMU is a trademark of Fabrice Bellard.

Fabrice Bellard and the QEMU team

>>>> COPYING

The text of the GNU General Public License, Version 2 (June 1991), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>>> COPYING.LIB

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Copyright 1995-2017 Mark Adler  
Copyright 2001-2019 -unknown - A runtime library  
Copyright 2003-2019 Fabrice Bellard and the QEMU Project developers usage qemu-img  
COPYRIGHT (C) CREATIVE TECHNOLOGY LTD 1992  
Copyright 2013-2018 Jussi Kivilinna  
Copyright Peter Mattis Spencer Kimball Josh MacDonald and others.  
Copyright Tim Janik Red Hat Inc. and others  
Copyright Copyright various authors. Released under the GNU General Public License.  
Copyright 2003-2019 Fabrice Bellard and the QEMU Project developers  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright 1988-2018 Free Software Foundation Inc  
Copyright Copyright 2018 Free Software Foundation Inc.  
Copyright 2009-2012 Free Software Foundation Inc. Contributed by ARM Ltd  
Copyright Peter Mattis Spencer Kimball Josh MacDonald Sebastian Wilhelmi and others.  
Copyright Tim Janik and others.  
Copyright Red Hat Inc. and others.

QEMU version 2020.1 includes the following dependent libraries:

`binutils-crosssdk-x86_64-petalinux-win32`:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

binutils-crosssdk-x86\_64-petalinux-mingw32:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC Runtime Library Exception, Version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

diffutils:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

gcc-crosssdk:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC Runtime Library Exception, Version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

gcc-crosssdk-x86\_64-petalinux-mingw32:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC Runtime Library Exception, Version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

bzip2:

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2019 Julian R Seward. All

rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

dtc:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

gcc-runtime:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC Runtime Library Exception, Version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

gettext:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

glib-2.0:

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

libffi:libffi - Copyright (c) 1996-2014 Anthony Green, Red Hat, Inc and others.  
See source files for details.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

libgcc:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU GCC Runtime Library Exception, Version 3.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

libgcrypt:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

libgpg-error:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this

document, was originally presented here, or as applicable, applies to the above-listed file(s).  
The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

libiconv:  
The text of the GNU Lesser General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

libpcre:  
PCRE LICENCE  
-----

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

## THE BASIC LIBRARY FUNCTIONS -----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

University of Cambridge Computing Service,  
Cambridge, England.

Copyright (c) 1997-2019 University of Cambridge  
All rights reserved.

## PCRE JUST-IN-TIME COMPILATION SUPPORT -----

Written by: Zoltan Herczeg  
Email local part: hzmester  
Email domain: freemail.hu

Copyright(c) 2010-2019 Zoltan Herczeg  
All rights reserved.

## STACK-LESS JUST-IN-TIME COMPILER

-----  
Written by: Zoltan Herczeg  
Email local part: hzmester  
Email domain: freemail.hu

Copyright(c) 2009-2019 Zoltan Herczeg  
All rights reserved.

## THE C++ WRAPPER FUNCTIONS

-----

Contributed by: Google Inc.

Copyright (c) 2007-2012, Google Inc.  
All rights reserved.

## THE "BSD" LICENCE

-----

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice,  
this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright  
notice, this list of conditions and the following disclaimer in the  
documentation and/or other materials provided with the distribution.
- \* Neither the name of the University of Cambridge nor the name of Google  
Inc. nor the names of their contributors may be used to endorse or  
promote products derived from this software without specific prior  
written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"  
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE  
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE  
POSSIBILITY OF SUCH DAMAGE.

End

libpng:  
COPYRIGHT NOTICE, DISCLAIMER, and LICENSE

=====

PNG Reference Library License version 2

---

- \* Copyright (c) 1995-2019 The PNG Reference Library Authors.
- \* Copyright (c) 2018-2019 Cosmin Truta.
- \* Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson.
- \* Copyright (c) 1996-1997 Andreas Dilger.
- \* Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

The software is supplied "as is", without warranty of any kind, express or implied, including, without limitation, the warranties of merchantability, fitness for a particular purpose, title, and non-infringement. In no event shall the Copyright owners, or anyone distributing the software, be liable for any damages or other liability, whether in contract, tort or otherwise, arising from, out of, or in connection with the software, or the use or other dealings in the software, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35)

---

libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux  
Eric S. Raymond  
Mans Rullgard  
Cosmin Truta  
Gilles Vollant  
James Yu  
Mandar Sahastrabuddhe  
Google Inc.  
Vadim Barkov

and with the following additions to the disclaimer:



There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane  
Glenn Randers-Pehrson  
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler  
Kevin Bracey  
Sam Bushell  
Magnus Holmgren  
Greg Roelofs  
Tom Tanner

Some files in the "scripts" directory have other copyright owners, but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger  
Dave Martindale  
Guy Eric Schalnat  
Paul Schmidt  
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of

the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.
2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

libtool:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

make:

The text of the GNU General Public License, Version 3, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

mingw-w64-headers:

With exception of certain parts that are prominently marked as being in the Public Domain, BSD, or LGPL this Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009 - 2013 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying

copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders.
5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

## Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

mingw-w64-runtime:

With exception of certain parts that are prominently marked as being in the Public Domain, BSD, or LGPL this Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009 - 2013 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement

with the copyright holders.

5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

#### Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

mingw-w64-winpthreads:

With exception of certain parts that are prominently marked as being in the Public Domain, BSD, or LGPL this Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009 - 2013 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders.
5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

#### Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES

OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

packagegroup-sdk-host:

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

pixman:

The following is the MIT license, agreed upon by most contributors. Copyright holders of new code should use this license statement where possible. They may also add themselves to the list below.

/\*

- \* Copyright 1987, 1988, 1989, 1998 The Open Group
- \* Copyright 1987, 1988, 1989 Digital Equipment Corporation
- \* Copyright 1999, 2004, 2008 Keith Packard
- \* Copyright 2000 SuSE, Inc.
- \* Copyright 2000 Keith Packard, member of The XFree86 Project, Inc.
- \* Copyright 2004, 2005, 2007, 2008, 2009, 2010 Red Hat, Inc.
- \* Copyright 2004 Nicholas Miell
- \* Copyright 2005 Lars Knoll & Zack Rusin, Trolltech
- \* Copyright 2005 Trolltech AS
- \* Copyright 2007 Luca Barbato
- \* Copyright 2008 Aaron Plattner, NVIDIA Corporation
- \* Copyright 2008 Rodrigo Kumpera
- \* Copyright 2008 André Tupinambá

\* Copyright 2008 Mozilla Corporation  
\* Copyright 2008 Frederic Plourde  
\* Copyright 2009, Oracle and/or its affiliates. All rights reserved.  
\* Copyright 2009, 2010 Nokia Corporation  
\*  
\* Permission is hereby granted, free of charge, to any person obtaining a  
\* copy of this software and associated documentation files (the "Software"),  
\* to deal in the Software without restriction, including without limitation  
\* the rights to use, copy, modify, merge, publish, distribute, sublicense,  
\* and/or sell copies of the Software, and to permit persons to whom the  
\* Software is furnished to do so, subject to the following conditions:  
\*  
\* The above copyright notice and this permission notice (including the next  
\* paragraph) shall be included in all copies or substantial portions of the  
\* Software.  
\*  
\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL  
\* THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
\* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING  
\* FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER  
\* DEALINGS IN THE SOFTWARE.  
\*/

pkgconfig:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

qemuwrapper-cross:

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

qemu-xilinx:

The text of the GNU General Public License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

The text of the GNU Lesser General Public License, Version 2.1, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

util-macros:

This software is provided `as-is`, without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

zlib:

This software is provided `as-is`, without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.





Gibson, IBM Corporation. David Gibson, Red Hat., Edgar E. Iglesias (edgari@xilinx.com), Grant Likely (grant.likely@secretlab.ca), Xilinx Inc., Edgar E. Iglesias (edgari@xilinx.com), Grant Likely (grant.likely@secretlab.ca), Xilinx Inc., Edgar E. Iglesias, Axis Communications AB., Edgar E. Iglesias, Axis Communications AB. Xilinx Inc., Edgar E. Iglesias, Grant Likely (grant.likely@secretlab.ca). Xilinx Inc., Edgar E. Iglesias., Edgar E. Iglesias. Michal Simek. PetaLogix Qld Pty Ltd. Peter A. G. Crosthwaite <peter.crosthwaite@petalogix.com>., Edgar E. Iglesias. Michal Simek. Peter A.G. Crosthwaite (peter.croshtwaite@petalogix.com) Petalogix Pty Ltd., Edgar E. Iglesias. Peter A. G. Crosthwaite <peter.crosthwaite@petalogix.com> PetaLogix, Fabrice Bellard, Fabrice Bellard Andreas FÄrber, Fabrice Bellard Andrzej Zaborowski, Fabrice Bellard Aurelien Jarno, Fabrice Bellard Cisco Systems, Fabrice Bellard Citrix Systems, Inc., Fabrice Bellard Citrix Systems, Inc. Intel Corporation; author: H. Peter Anvin, Fabrice Bellard Filip Navara, Fabrice Bellard Herve Poussineau, Fabrice Bellard IBM Corp. Authors: Stefan Berger <stefanb@linux.vnet.ibm.com>, Fabrice Bellard Intel Corporation, Fabrice Bellard Isaku Yamahata <yamahata at valinux co jp> VA Linux Systems Japan K.K. Jason Baron <jbaron@redhat.com> Split out from piix.c, Fabrice Bellard Jan Kiszka, Siemens AG, Fabrice Bellard Jes Sorensen <Jes.Sorensen@redhat.com>, Fabrice Bellard Jocelyn Mayer, Fabrice Bellard Jocelyn Mayer David Gibson, IBM Corporation., Fabrice Bellard Jocelyn Mayer Laurent Vivier some parts from linux-2.6.28, arch/powerpc/include/asm/dbdma.h Definitions for using the Apple Descriptor-Based DMA controller in Power Macintosh computers. Paul Mackerras. some parts from mol 0.9.71 Descriptor based DMA emulation Samuel Rydh (samuel@ibrium.se), Fabrice Bellard Kevin Wolf <kwolf@redhat.com>, Fabrice Bellard Makoto Suzuki (suzu), Fabrice Bellard Marko Kohtala, Fabrice Bellard Max Krasnyansky Magor rewrite of the UHCI data structures parser and frame processor Support for fully async operation and multiple outstanding transactions, Fabrice Bellard Max Krasnyansky Support for host device auto connect & disconnect Major rewrite to support fully async operation TJ <linux@tjworld.net> Added flexible support for /dev/bus/usb /sys/bus/usb/devices in addition to the legacy /proc/bus/usb USB device discovery and handling, Fabrice Bellard Max Krasnyansky Support for host device auto connect & disconnect Major rewrite to support fully async operation TJ <linux@tjworld.net> Added flexible support for /dev/bus/usb /sys/bus/usb/devices in addition to the legacy /proc/bus/usb USB device discovery and handling Gerd Hoffmann <kraxel@redhat.com> Completely rewritten to use libusb instead of usbfs ioctls., Fabrice Bellard OpenMoko, Inc. (andrew@openedhand.com), Fabrice Bellard Openedhand Ltd., Fabrice Bellard Openedhand Ltd. Huacai Chen <ztjiangshi@gmail.com>, Fabrice Bellard Red Hat Inc Authors: Juan Quintela <quintela@redhat.com>, Fabrice Bellard Red Hat Inc., Fabrice Bellard Red Hat, Inc., Fabrice Bellard Red Hat, Inc. Amit Shah <amit.shah@redhat.com>, Fabrice Bellard Red Hat, Inc. QEMU library functions for win32 which are shared between QEMU and the QEMU tools., Fabrice Bellard Red Hat, Inc. QEMU library functions on POSIX which are shared between QEMU and the QEMU tools., Fabrice Bellard Red Hat, Inc. Wrapper function qemu\_openpty() implementation., Fabrice Bellard , Isaku Yamahata <yamahata at valinux co jp> VA Linux Systems Japan K.K. Jason Baron <jbaron@redhat.com> This is based on pc.c, but heavily modified., Fabrice Bellard , , Isaku Yamahata <yamahata at valinux co jp> VA Linux Systems Japan K.K. Jason Baron <jbaron@redhat.com> This is based on piix.c, but heavily modified., Fabrice Bellard , Artyom Tarasenko, Fabrice Bellard Generic packet handler rewrite by Max Krasnyansky, Fabrice Bellard Modifications: -Feb-14 Artyom Tarasenko : reworked irq generation, Fabrice Bellard This work is licensed under the terms of the GNU GPL, version 2 or later. See the COPYING file in the top-level directory. This file incorporates work covered by the following and permission

notice: Fabrice Bellard, Freescale Semiconductor, Inc., Fujitsu Ltd., Glauber Costa, Red Hat Inc., Gleb Natapov, Greensocs., HUAWEI TECHNOLOGIES CO., LTD., Herve Poussineau, Herve Poussineau Andreas Färber, Hervé Poussineau, IBM Corp. Red Hat, Inc., Igor Kovalenko, Intel Corp. XenSource, Jan Kiszka, Siemens AG, Jes Sorensen <Jes.Sorensen@redhat.com>, Jiri Slaby, Joachim Henke, Jocelyn Mayer, Jocelyn Mayer Alexander Graf, Johannes E. Schindelin, Johannes Schindelin, John Snow <jsnow@redhat.com>, Kevin Wolf <kwolf@redhat.com>, Klaus Stengel, Laurent Vivier, Linaro Ltd. Author: Alex Bennée <alex.bennee@linaro.org>, Lubomir Rintel, Luigi Rizzo, Magnus Damm Paul Mundt, Magnus Damm Samuel Tardieu, Magnus Damm <damm@opensource.se>, Magnus Damm Based on serial.c - QEMU 0 UART emulation Fabrice Bellard, Michal Simek <monstr@monstr.eu> PetaLogix Edgar E. Iglesias., Mike Kronenberg, Nippon Telegraph and Telephone Corporation. , Red Hat, Inc., OK Labs NICTA Pty Ltd Originally written by Hans Jiang Updated by Peter Chubb Updated by Jean-Christophe Dubois <jcd@tribudubois.net>, Openedhand Ltd. Author: Andrzej Zaborowski <balrog@zabor.org> Based on hw/usb-hid.c: Fabrice Bellard, PetaLogix Qld Pty Ltd. Peter A. G. Crosthwaite <peter.crosthwaite@petalogix.com>., Peter A. G. Crosthwaite, Peter A. G. Crosthwaite <peter.crosthwaite@xilinx.com> Xilinx Inc., Peter Crosthwaite <peter.crosthwaite@petalogix.com> PetaLogix Edgar E. Iglesias., Peter Lieven <pl@kamp.de>, Peter Xilinx Inc Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Raymond Hettinger, RealVNC Ltd. All Rights Reserved. Sun Microsystems, Inc. Corentin Chary <corentin.chary@gmail.com>, Red Hat, Red Hat Authors: Gerd Hoffmann <kraxel@redhat.com>, Red Hat Inc, Red Hat Inc., Red Hat Inc. Authors: Eduardo Habkost <ehabkost@redhat.com>, Red Hat Inc., Richard W.M. Jones <rjones@redhat.com>, Red Hat, Inc, Red Hat, Inc. Author: Paolo Bonzini <pbonzini@redhat.com>, Red Hat, Inc. Original author: Juan Quintela <quintela@redhat.com>, Red Hat, Inc. QEMU library functions on POSIX which are shared between QEMU and the QEMU tools., Red Hat, Inc. Red Hat Authors: Hans de Goede <hdegoede@redhat.com>, Red Hat, Inc. This work is licensed under the terms of the GNU GPL, version 2 or later. See the COPYING file in the top-level directory. This file incorporates work covered by the following and permission notice: Fabrice Bellard, Red Hat. Inc, Robert Reif, Rohit Kumar, Johannes E. Schindelin Constantin Kaplinsky. All Rights Reserved. Tridia Corporation. All Rights Reserved. AT&T Laboratories Cambridge. All Rights Reserved., Ronnie Sahlberg <ronniesahlberg@gmail.com> Peter Lieven <pl@kamp.de>, Samsung Electronics. Contributed by Kirill Batuzov <batuzovk@ispras.ru>, Samuel Tardieu, Samuel Thibault, Shin-ichiro KAWASAKI, Takashi YOSHII, Tensilica Inc., Thiemo Seufer, Thiemo Seufer Jocelyn Mayer, Thomas Sailer Andrzej Zaborowski, Tibor "TS" Schätzl, Ulrich Hecht <uli@suse.de>, Ulrich Hecht <uli@suse.de> Alexander Graf <agraf@suse.de> Richard Henderson <rth@twiddle.net>, Vassili Karpov (malc), Vassili Karpov (malc) Fabrice Bellard, Xilinx Inc, Xilinx Inc Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc Peter Crosthwaite <peter.crosthwaite@xilinx.com> Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc. Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc. Peter Crosthwaite <peter.crosthwaite@xilinx.com>., Xilinx Inc. Peter Crosthwaite <peter.crosthwaite@xilinx.com>. Edgar E. Iglesias., Xilinx Inc. Autogenerated by xregqemu.py -01-21., Xilinx Inc. Autogenerated by xregqemu.py -01-22., Xilinx Inc. Autogenerated by xregqemu.py -02-05., Xilinx Inc. Autogenerated by xregqemu.py -02-05. Updated by Edgar E. Iglesias <edgar.iglesias@xilinx.com> Updated by Peter Crosthwaite <peter.crosthwaite@xilinx.com>, Xilinx Inc. Autogenerated by xregqemu.py -02-14. Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc. Autogenerated by xregqemu.py -03-20.

Written by Edgar E. Iglesias, Xilinx Inc. Autogenerated by xregqemu.py -04-05., Xilinx Inc. Autogenerated by xregqemu.py -09-01. Written by Edgar E. Iglesias., Xilinx Inc. Autogenerated by xregqemu.py -09-02. Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc. Autogenerated by xregqemu.py -09-10., Xilinx Inc. Autogenerated by xregqemu.py -09-16., Xilinx Inc. Autogenerated by xregqemu.py -12-16., Xilinx Inc. Partially autogenerated by xregqemu.py -07-21. Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>, Xilinx Inc. Partially autogenerated by xregqemu.py -08-07. Written by Edgar E. Iglesias <edgari@xilinx.com> Alistair Francis <alistai@xilinx.com>, Xilinx Inc. Partially autogenerated by xregqemu.py -08-25. Written by Edgar E. Iglesias., Xilinx Inc. Partially autogenerated by xregqemu.py -10-30. Written by Edgar E. Iglesias, Xilinx Inc. Partly autogenerated by xregqemu.py -09-01. Written by Edgar E. Iglesias., Xilinx Inc. Written by Alistair Francis <alistair.francis@xilinx.com>, Xilinx Inc. Written by Edgar E. Iglesias <edgari@xilinx.com> Partly autogenerated by xregqemu.py -10-15., Xilinx Inc. Written by Konrad Frederic <fred.konrad@greensocs.com>, Xilinx Inc. Written by sai pavan boddu <saipava@xilinx.com>, Xilinx, Inc., Xilinx, Inc. All rights reserved. Written by Peter Crosthwaite <peter.crosthwaite@xilinx.com>, , Const Kaplinsky. All Rights Reserved. AT&T Laboratories Cambridge. All Rights Reserved. Corentin Chary <corentin.chary@gmail.com>, , Jocelyn Mayer HervÃ© Poussineau, , Stefan Weil, , , Anthony Green, , , Red Hat, Inc. , Blue Swirl <blauwirbel@gmail.com> , Anthony Liguori <aliguori@us.ibm.com> Author: Laszlo Ersek <lersek@redhat.com>, , Aurelien Jarno, , Benjamin Herrens Schmidt, IBM Corporation., , David Gibson, IBM Corporation., , Johannes E. Schindelin

#### DATES:

1996-2016

The following entities have attached copyright notices to one or more files in the above-reference package:

Copyright (C) 2014 Li Guang  
Copyright (c) 2014 Jiri Pirko  
Copyright (c) 2014 Scott Feldman  
Copyright (C) 2015 Andrey Smetanin  
Copyright (c) 2012 Gregory Estrade  
Copyright (c) 2013 Jan Petrous Rasperry  
Copyright (c) 2015, Microsoft  
Copyright (c) 2015 Paulo Alcantara  
Copyright (c) 2010-2016 Institute for System Programming of the Russian Academy of Sciences  
Copyright (C) 2012-2016 : GreenSocs  
Copyright (c) 2003-2013 Fabrice Bellard  
Copyright IBM, Corp. 2011-2016  
Copyright (C) 2010 Citrix Ltd  
Copyright Red Hat Inc., 2012-2016  
Copyright (C) 2016 Fred KONRAD  
Copyright (c) 2009-2016 Stefan Weil  
Copyright Fujitsu, Corp. 2011-2016  
Copyright (c) 2003-2005 Silicon Graphics, Inc.  
Copyright (c) 2010-16 Xilinx Inc.  
Copyright (C) 2006 Anthony Liguori  
Copyright (C) 2011 Aneesh Kumar K.V  
Copyright (C) 2008 Andrzej Zaborowski  
Copyright (C) 2002 RealVNC Ltd  
Copyright (C) 2010 Joel Martin

Copyright (C) 2012 Tim Hardeck  
Copyright (C) 1999 AT&T Laboratories  
Copyright (C) COPYRIGHT 2006 BY Hitachi Systems & Services, Ltd  
Copyright (c) 2013-2016 Huawei Technologies  
Copyright (c) 2004-2005 Jocelyn Mayer  
Copyright (c) 2007 Herve Poussineau  
Copyright (C) 2012-2016 Imagination Technologies Ltd.  
Copyright (c) 2012 Jia Liu and Dongxue Zhang  
Copyright (c) 2006 Marius Groeger  
Copyright (c) 2006 Thiemo Seufer  
Copyright (c) 2007-2009 CodeSourcery  
Copyright (c) 2011 Richard Henderson  
Copyright (C) 2010-2012 Guan Xuetao  
Copyright (c) 2012 SUSE LINUX Products GmbH  
Copyright (c) 2012-2016 Linaro Limited  
Copyright (C) 2006-2008 Qumranet Technologies  
Copyright (c) 1999 -2016 Intel Corporation  
Copyright (c) 2007 AXIS Communications  
Copyright (C) 1988-2009 Free Software Foundation, Inc.  
Copyright 2013, ARM Limited  
Copyright (c) 2009 Ulrich Hecht  
Copyright (c) 2009 Alexander Graf  
Copyright (C) 2012 - Virtual Open Systems and Columbia University  
Copyright 2008-2011 Freescale Semiconductor, Inc.  
Copyright (c) 2012 Catalin Patulea  
Copyright (c) 2014 Marc MarÃ  
Copyright (c) 2010 Michael Walle  
Copyright (c) 1982, 1986, 1993 The Regents of the University of California  
Copyright (c) 2011-2012 Jia Liu and Feng Gao  
Copyright (C) Nodalink, SARL EURL 2013-2014  
Copyright (c) 2013 -2015 Peter Crosthwaite  
Copyright (C) 2011-2016 LluÃs Vilanova  
Copyright (c) 2006-2007 CodeSourcery  
Copyright Dell MessageOne 2008  
Copyright (c) 2012-2016 Bastian Koppelman C-Lab/University Paderborn  
Copyright (c) 2012 Ravello Systems LTD  
Copyright (c) 2015 Guenter Roeck  
Copyright ProfitBricks GmbH 2012  
Copyright (c) 2011 Samsung Electronics Co.  
Copyright (C) 2008 Nokia Corporation  
Copyright (C) 2014 Petalogix Qld Pty Ltd  
Copyright (c) 2009 Isaku Yamahata VA Linux Systems Japan K.K.  
Copyright 1994, Drew Eckhardt  
Copyright 1997-- 1999 Martin Mares  
Copyright (C) 2013-2016 Igalia, S.L.  
Copyright (C) 2014 Beniamino Galvani  
Copyright (C) 2013 Antony Pavlov  
Copyright (c) 2011 Alexey Kardashevskiy  
Copyright (C) 2011 Siemens AG  
Copyright (C) 2013 Knut Omang, Oracle <knut.omang@oracle.com>  
Copyright (C) 2014 Le Tan  
Copyright (C) 1999-2000 Maxim Krasnyansky  
Copyright (C) Damion K. Wilson, 2003  
Copyright (c) 2013 David Gibson  
Copyright (c) 2009 Edgar E. Iglesias  
Copyright Novell Inc, 2009

Copyright (c) 2009 Loïc Minier  
Copyright (c) Rebel.COM, 1998,1999  
Copyright (c) 2005, Joel Schopp  
Copyright (c) 2007,2008, Andy Whitcroft  
Copyright (c) 2014 Wenchao Xia  
Copyright (C) 2012 Ryota Ozaki  
Copyright Hitachi Data Systems Corp. 2013  
Copyright (C) 2010-2011 Christian Brunner, Josh Durgin  
Copyright (c) 2012, Max Filippov, Open Source and Linux Lab  
Copyright (c) 2005 Samuel Tardieu  
Copyright (c) 2010 Sebastien Bourdeauducq  
Copyright (c) 2006 Openedhand Ltd  
Copyright (c) 2007-2011 Herve Poussineau  
Copyright (c) 2015 Aggios, Inc.  
Copyright (C) 2012 NICTA  
Copyright (c) 2008 OK Labs  
Copyright (c) 2005 Cisco Systems  
Copyright (C) 2006 InnoTek Systemberatung GmbH  
Copyright (c) 2011 Written by Mathieu Sonet  
Copyright (c) 2008 Jan Kiszka  
Copyright (C) 1999,2000 Tatsuyuki Satoh  
Copyright (C) 2007-2008 OpenMoko, Inc.  
Copyright (C) 2007-2008 Lauro Ramos Venancio  
Copyright (c) 2010 qiaochong@loongson.cn  
Copyright (c) 2010 Roland Elek <elek.roland@gmail.com>  
Copyright (c) 2009 Gerd Hoffmann  
Copyright (c) 2008 Dmitry Baryshkov  
Copyright (C) 2008 Jean-Christophe PLAGNIOL-VILLARD <plagnioj@jcrosoft.com>  
Copyright (C) 2013-2016 Jean-Christophe Dubois  
Copyright (C) 2007 Vladimir Ananiev  
Copyright (C) 2011 Dmitry Eremin-Solenikov  
Copyright (c) 2010 - 2011 B Labs Ltd  
Copyright (c) 2006-2007 by Thorsten Zitterell  
Copyright (c) 2007 Magnus Damm  
Copyright (C) Copyright 2000-2005 Wolfgang Denk, DENX Software Engineering  
Copyright (c) 2008 OKL  
Copyright (c) 2008 yajin (yajin@vm-kernel.org)  
Copyright (c) 2010 Huacai Chen  
Copyright (c) 2007, Neocleus Corporation  
Copyright (C) 2009 Hewlett-Packard Development Company, L.P.  
Copyright (C) 2008-2010 Kevin O'Connor  
Copyright (C) 2010-2016 Xilinx, Inc.

Certain files:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING



\*\* accordance with the Qt Commercial License Agreement provided with the  
\*\* Software or, alternatively, in accordance with the terms contained in  
\*\* a written agreement between you and Digia.  
\*\*  
\*\* If you have questions regarding the use of this file, please use  
\*\* contact form at <http://qt.digia.com>  
\*\* \$QT\_END\_LICENSE\$  
\*\*  
\*\*\*/  
/  
\*\*  
\*\* In addition, as a special exception, Digia gives permission to link  
\*\* the code of its release of Qt with the OpenSSL project's "OpenSSL" library  
\*\* (or modified versions of the "OpenSSL" library that use the same license  
\*\* as the original version), and distribute the linked executables.  
\*\*  
\*\* You must comply with the GNU General Public License version 2 in all  
\*\* respects for all of the code used other than the "OpenSSL" code. If you  
\*\* modify this file, you may extend this exception to your version of the file,  
\*\* but you are not obligated to do so. If you do not wish to do so, delete  
\*\* this exception statement from your version of this file.  
\*\*  
\*\*\*/

## Commercial License

### Purchasing and Sales Information

To purchase or further information and assistance about Qt Commercial licensing, please contact our sales:

<http://www.qt.io/contact-us/>

Copyright 2011 Digia Plc For any questions to Digia please  
Copyright 2011 Digia Plc  
Copyright 2011-2012 Wind River Systems Inc  
Copyright 2004-2009 Apple Inc  
Copyright 2012 Digia Plc and or its subsidiary  
Copyright 2006 Apple Computer Inc  
Copyright 2008 Nokia Inc  
Copyright 2008 Holger Hans Peter Freyther  
Copyright (C) 2010 Nikita Vasilyev. All rights reserved.  
Copyright (C) 2011 Thomas G. Lane Guido Vollbeding  
Copyright 2006 Zack Rusin <zack@kde.org>  
Copyright (C) 2009 David Faure <dfaure@kdab.net> Contact <http://www.qt-project.org> legal  
Copyright 2000 Hans Petter Bieker  
Copyright 2012 Research In Motion <blackberry-qt@qnx.com> Contact  
Copyright 1995-2010 Mark Adler  
Copyright (C) 2008 Collabora Ltd. All rights reserved.  
Copyright 1992-2011 Nokia Corp and or its subsidiary  
Copyright (C) 2009 Jakub Wiecek <faw217@gmail.com>  
Copyright 2003-2004 immodule for Qt Project  
Copyright Digia Plc.  
Copyright 2009-2010 Robert Hogan <robert@roberthogan.net>







THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Software Licensed Under the JSON License:

-----  
json.org  
Copyright (c) 2002 JSON.org  
All Rights Reserved.

JSON\_checker  
Copyright (c) 2002 JSON.org  
All Rights Reserved.

Terms of the JSON License:

-----  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Terms of the MIT License:

-----  
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT



\*  
\* You should have received a copy of the GNU General Public License  
\* along with this program; see the file COPYING. If not, write to  
\* the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.  
\*  
\* You may contact the author by e-mail: hlub@knoware.nl  
\*/

COPYRIGHT TEXT:

/\* filter.c : spawning a filter and using it to re-write input, output, history and  
\* (C) 2000-2007 Hans Lub  
\*  
\* This program is free software; you can redistribute it and/or modify  
\* it under the terms of the GNU General Public License as published by  
\* the Free Software Foundation; either version 2 of the License , or  
\* (at your option) any later version.  
\*  
\* This program is distributed in the hope that it will be useful,  
\* but WITHOUT ANY WARRANTY; without even the implied warranty of  
\* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
\* GNU General Public License for more details.  
\*  
\* You should have received a copy of the GNU General Public License  
\* along with this program; see the file COPYING. If not, write to  
\* the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.  
\*  
\* You may contact the author by e-mail: hlub@knoware.nl  
\*/

COPYRIGHT TEXT:

/\* signals.c: signal handling \*/  
/\* This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License , or  
(at your option) any later version.  
This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.  
You should have received a copy of the GNU General Public License  
along with this program; see the file COPYING. If not, write to  
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.  
You may contact the author by:  
e-mail: hlub@knoware.nl  
\*/

COPYRIGHT TEXT:

/\*  
\* Shamelessly ripped out of rxvt-2.7.10 (Copyright (c) 1999-2001  
\* Geoff Wing <gcw@pobox.com>) by Hans Lub <hlub@knoware.nl>  
\*  
\* All portions of code are copyright by their respective author/s.  
\*  
\* This program is free software; you can redistribute it and/or modify  
\* it under the terms of the GNU General Public License as published by  
\* the Free Software Foundation; either version 2 of the License, or

\* (at your option) any later version.  
\*  
\* This program is distributed in the hope that it will be useful,  
\* but WITHOUT ANY WARRANTY; without even the implied warranty of  
\* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
\* GNU General Public License for more details.  
\*  
\* You should have received a copy of the GNU General Public License  
\* along with this program; if not, write to the Free Software  
\* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.  
\*-----\*/

**COPYRIGHT TEXT:**

/\* term.c: terminal handling, cursor movement etc.  
(C) 2000-2007 Hans Lub  
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License , or  
(at your option) any later version.  
This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.  
You should have received a copy of the GNU General Public License  
along with this program; see the file COPYING. If not, write to  
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.  
You may contact the author by:  
e-mail: hlub@knoware.nl  
\*/

**COPYRIGHT TEXT:**

/\* rlwrap.h: includes, definitions, declarations \*/  
/\* This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License , or  
(at your option) any later version.  
This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.  
You should have received a copy of the GNU General Public License  
along with this program; see the file COPYING. If not, write to  
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.  
You may contact the author by:  
e-mail: hlub@knoware.nl  
\*/

**COPYRIGHT TEXT:**

#!/bin/sh  
# Guess values for system-dependent variables and create Makefiles.  
# Generated by GNU Autoconf 2.64.  
#  
# Copyright (C) 1992, 1993, 1994, 1995, 1996, 1998, 1999, 2000, 2001,  
# 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 Free Software  
# Foundation, Inc.  
#

```
# This configure script is free software; the Free Software Foundation
# gives unlimited permission to copy, distribute and modify it.
## ----- ##
## M4sh Initialization. ##
## ----- ##
# Be more Bourne compatible
```

**COPYRIGHT TEXT:**

```
# Makefile.in generated by automake 1.11.1 from Makefile.am.
# @configure_input@
# Copyright (C) 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002,
# 2003, 2004, 2005, 2006, 2007, 2008, 2009 Free Software Foundation,
# Inc.
# This Makefile.in is free software; the Free Software Foundation
# gives unlimited permission to copy and/or distribute it,
# with or without modifications, as long as this notice is preserved.
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A
# PARTICULAR PURPOSE.
```

**COPYRIGHT TEXT:**

```
/* pty.c: pty handling */
/* This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License , or
(at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; see the file COPYING. If not, write to
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.
You may contact the author by:
e-mail: hlub@knoware.nl
*/
```

**COPYRIGHT TEXT:**

```
/* This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License , or
(at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; see the file COPYING. If not, write to
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.
You may contact the author by:
e-mail: hlub@knoware.nl
*/
```

**COPYRIGHT TEXT:**

```
/* malloc_debug.c: attempt at malloc/free replacement for debugging
```

```
configure with --enable-malloc-debugger to use it
*/
/* This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License , or
(at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; see the file COPYING. If not, write to
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.
You may contact the author by:
e-mail: hlub@knoware.nl
*/
```

#### COPYRIGHT TEXT:

```
# generated automatically by aclocal 1.11.1 -*- Autoconf -*-
# Copyright (C) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004,
# 2005, 2006, 2007, 2008, 2009 Free Software Foundation, Inc.
# This file is free software; the Free Software Foundation
# gives unlimited permission to copy and/or distribute it,
# with or without modifications, as long as this notice is preserved.
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY, to the extent permitted by law; without
# even the implied warranty of MERCHANTABILITY or FITNESS FOR A
# PARTICULAR PURPOSE.
```

#### COPYRIGHT TEXT:

```
/* readline.c: interacting with the GNU readline library
(C) 2000-2007 Hans Lub
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License , or
(at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; see the file COPYING. If not, write to
the Free Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.
You may contact the author by:
e-mail: hlub@knoware.nl
*/
```

#### COPYRIGHT TEXT:

```
/*
Redblack balanced tree algorithm
Copyright (C) Damian Ivereigh 2000
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as published by
the Free Software Foundation; either version 2.1 of the License, or
(at your option) any later version. See the file COPYING for details.
This program is distributed in the hope that it will be useful,
```





As a special exception, the copyright holders of RXTX give you permission to link RXTX with independent modules that communicate with RXTX solely through the Sun Microsystems CommAPI interface version 2, regardless of the license terms of these independent modules, and to copy and distribute the resulting combined work under terms of your choice, provided that every copy of the combined work is accompanied by a complete copy of the source code of RXTX (the version of RXTX used to produce the combined work), being distributed under the terms of the GNU Lesser General Public License plus this exception. An independent module is a module which is not derived from or based on RXTX.

Note that people who make modified versions of RXTX are not obligated to grant this special exception for their modified versions; it is their choice whether to do so. The GNU Lesser General Public License gives permission to release a modified version without this exception; this exception also makes it possible to release a modified version which carries forward this exception.

```
#####  
FILE: ./plugins/gnu.io.rxtx.source_2.1.7.4_v20071016/about.html  
#####
```

About This Content  
June 5, 2007  
License

The Eclipse Foundation makes available all content in this plug-in "Content". Unless otherwise indicated below, the Content is provided to you under the terms and conditions of the Eclipse Public License Version 1.0 "EPL". A copy of the EPL is available at <http://www.eclipse.org/legal/epl-v10.html>. For purposes of the EPL, "Program" will mean the Content.

If you did not receive this Content directly from the Eclipse Foundation, the Content is being redistributed by another party "Redistributor" and different terms and conditions may apply to your use of any object code in the Content. Check the Redistributor's license that was provided with the Content. If no such license exists, contact the Redistributor. Unless otherwise indicated below, the terms and conditions of the EPL still apply to any source code in the Content and such source code may be obtained at <http://www.eclipse.org>.

## Source Code

This plug-in contains source code zip files ("Source Zips") that correspond to binary content in other plug-ins. These Source Zips may be distributed under different license agreements and/or notices. Details about these license agreements and notices are contained in "about.html" files ("Abouts") located in sub-directories in the src/ directory of this plug-in. Such Abouts govern your use of the Source Zips in that directory, not the EPL.



THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
# module pyparsing.py
#
# Copyright (c) 2003-2016 Paul T. McGuire
#
# Permission is hereby granted, free of charge, to any person obtaining
# a copy of this software and associated documentation files (the
# "Software"), to deal in the Software without restriction, including
# without limitation the rights to use, copy, modify, merge, publish,
# distribute, sublicense, and/or sell copies of the Software, and to
# permit persons to whom the Software is furnished to do so, subject to
# the following conditions:
#
# The above copyright notice and this permission notice shall be
# included in all copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
# EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
# MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
# IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
# CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
# TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
# SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
```

""Utilities for writing code that runs on Python 2 and 3""

```
# Copyright (c) 2010-2013 Benjamin Peterson
#
# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to deal
# in the Software without restriction, including without limitation the rights
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the Software is
# furnished to do so, subject to the following conditions:
#
# The above copyright notice and this permission notice shall be included in all
# copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
# AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
# LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
```

# OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
# SOFTWARE.

//-----  
// MurmurHash3 was written by Austin Appleby, and is placed in the public  
// domain. The author hereby disclaims copyright to this source code.

/\*!  
\* Bootstrap Responsive v2.3.2  
\*  
\* Copyright 2012 Twitter, Inc  
\* Licensed under the Apache License v2.0  
The text of the Apache License v2.0, a copy of which is made available below in Part Four of this document, applies to the  
above-listed file(s).

\* Unless required by applicable law or agreed to in writing, software  
\* distributed under the License is distributed on an "AS IS" BASIS,  
\* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
\* See the License for the specific language governing permissions and  
\* limitations under the License.  
\* ===== \*/

/\*  
Copyright (c) 2000-2009 Chih-Chung Chang and Chih-Jen Lin  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions  
are met:

1. Redistributions of source code must retain the above copyright  
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright  
notice, this list of conditions and the following disclaimer in the  
documentation and/or other materials provided with the distribution.
3. Neither name of copyright holders nor the names of its contributors  
may be used to endorse or promote products derived from this software  
without specific prior written permission.

**THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR  
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,  
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR  
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF  
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING  
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS**

SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

Image: china.jpg

Released under a creative commons license. The text of the Creative Commons Public License - Attribution 2.0 Generic, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Attribution: Some rights reserved by danielbuechele [2]

Retrieved 21st August, 2011 from [3] by Robert Layton

[1] <http://creativecommons.org/licenses/by/2.0/>

[2] <http://www.flickr.com/photos/danielbuechele/>

[3] <http://www.flickr.com/photos/danielbuechele/6061409035/sizes/z/in/photostream/>

Image: flower.jpg

Released under a creative commons license. The text of the Creative Commons Public License - Attribution 2.0 Generic, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).[1]

Attribution: Some rights reserved by danielbuechele [2]

Retrieved 21st August, 2011 from [3] by Robert Layton

[1] <http://creativecommons.org/licenses/by/2.0/>

[2] <http://www.flickr.com/photos/vutilion/>

[3] <http://www.flickr.com/photos/vutilion/6056698931/sizes/z/in/photostream/>

# Sample script to install Python and pip under Windows

# Authors: Olivier Grisel, Jonathan Helmus, Kyle Kastner, and Alex Willmer

# License: CC0 1.0 Universal: <http://creativecommons.org/publicdomain/zero/1.0/>

/\* -----

\*

\* -- Automatically Tuned Linear Algebra Software (ATLAS)

\* (C) Copyright 2000 All Rights Reserved

\*

\* -- ATLAS routine -- Version 3.9.24 -- December 25, 2000

\*

\* Author : Antoine P. Petitet

\* Originally developed at the University of Tennessee,

\* Innovative Computing Laboratory, Knoxville TN, 37996-1301, USA.

\*

/\* -----

\*

\* -- Copyright notice and Licensing terms:

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

\*

\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions, and the following disclaimer in

- \* the documentation and/or other materials provided with the distribution.
- \* 3. The name of the University, the ATLAS group, or the names of its contributors may not be used to endorse or promote products derived from this software without specific written permission.

\* -- Disclaimer:

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
 \* ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
 \* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
 \* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY  
 \* OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPE-  
 \* CIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED  
 \* TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA,  
 \* OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEO-  
 \* RY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (IN-  
 \* CLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF  
 \* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\* -----

# Copyright (c) 2011, 2012  
 # Authors: Pietro Berkes,  
 #       Andreas Muller  
 #       Mathieu Blondel  
 #       Olivier Grisel  
 #       Arnaud Joly  
 #       Denis Engemann  
 #       Giorgio Patrini  
 #       Thierry Guillemot

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

""Utilities for writing code that runs on Python 2 and 3""

```
# Copyright (c) 2010-2013 Benjamin Peterson
# Copyright (c) 2008 Brian M. Clapper <bmc@clapper.org>, Gael Varoquaux
# Author: Brian M. Clapper, Gael Varoquaux
Author: Jake Vanderplas -- <vanderplas@astro.washington.edu>
# Author: Alexander Fabisch -- <afabisch@informatik.uni-bremen.de>
# Author: Christopher Moody <chrisemooody@gmail.com>
# Author: Nick Travers <nickt@squareup.com>
# Copyright (C) 2007-2009 Cournapeau David <cournape@gmail.com>
#       2010 Fabian Pedregosa <fabian.pedregosa@inria.fr>
# Copyright (c) 2011 David Warde-Farley <wardefar at iro dot umontreal dot ca>
# Authors: Gael Varoquaux <gael dot varoquaux at normalesup dot org >
#       Nathaniel Gray <n8gray@caltech.edu>
#       Fernando Perez <fperez@colorado.edu>
# Copyright: 2010, Gael Varoquaux
#       2001-2004, Fernando Perez
#       2001 Nathaniel Gray
(C) INRIA 2011, 2014
```

```
# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to deal
# in the Software without restriction, including without limitation the rights
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
# copies of the Software, and to permit persons to whom the Software is
# furnished to do so, subject to the following conditions:
#
# The above copyright notice and this permission notice shall be included in all
# copies or substantial portions of the Software.
#
# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
# AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
# LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
# OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
# SOFTWARE.
```

Copyright (c) 2001, 2002 Enthought, Inc.  
All rights reserved.

Copyright (c) 2003-2017 SciPy Developers.  
All rights reserved.

Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are met:

- a. Redistributions of source code must retain the above copyright notice,  
this list of conditions and the following disclaimer.
- b. Redistributions in binary form must reproduce the above copyright  
notice, this list of conditions and the following disclaimer in the

documentation and/or other materials provided with the distribution.  
c. Neither the name of Enthought nor the names of the SciPy Developers may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

""

-----

-----  
Python unit testing framework, based on Erich Gamma's JUnit and Kent Beck's Smalltalk testing framework (used with permission).

-----

```
/*
 *      Automatically Tuned Linear Algebra Software v3.9.25
 *      (C) Copyright 1999 R. Clint Whaley
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions, and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. The name of the ATLAS group or the names of its contributors may
 *    not be used to endorse or promote products derived from this
 *    software without specific written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
 * ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
 * TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
 * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE ATLAS GROUP OR ITS CONTRIBUTORS
 * BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
 * POSSIBILITY OF SUCH DAMAGE.
 *
 */
```

-----

```
/*
```



\* Automatically Tuned Linear Algebra Software v3.9.25  
\* (C) Copyright 1999 R. Clint Whaley  
\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions, and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. The name of the ATLAS group or the names of its contributors may  
\* not be used to endorse or promote products derived from this  
\* software without specific written permission.

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED  
\* TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR  
\* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE ATLAS GROUP OR ITS CONTRIBUTORS  
\* BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR  
\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF  
\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE  
\* POSSIBILITY OF SUCH DAMAGE.

\*  
\*/

-----  
Copyright (c) 1999-2003 Steve Purcell  
Copyright (c) 2003-2010 Python Software Foundation  
This module is free software, and you may redistribute it and/or modify  
it under the same terms as Python itself, so long as this copyright message  
and disclaimer are retained in their original form.

IN NO EVENT SHALL THE AUTHOR BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT,  
SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF  
THIS CODE, EVEN IF THE AUTHOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH  
DAMAGE.

THE AUTHOR SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT  
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A  
PARTICULAR PURPOSE. THE CODE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS,  
AND THERE IS NO OBLIGATION WHATSOEVER TO PROVIDE MAINTENANCE,  
SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

-----  
Copyright 2014 Steven Loria

Permission is hereby granted, free of charge, to any person obtaining a copy  
of this software and associated documentation files (the "Software"), to deal  
in the Software without restriction, including without limitation the rights  
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
copies of the Software, and to permit persons to whom the Software is  
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-----  
The original Fortran code was written by C. C. Paige and M. A. Saunders as described in

C. C. Paige and M. A. Saunders, LSQR: An algorithm for sparse linear equations and sparse least squares, TOMS 8(1), 43--71 (1982).

C. C. Paige and M. A. Saunders, Algorithm 583; LSQR: Sparse linear equations and least-squares problems, TOMS 8(2), 195--209 (1982).

It is licensed under the following BSD license:

Copyright (c) 2006, Systems Optimization Laboratory  
All rights reserved.

Copyright (c) 2011 Pietro Berkes License BSD  
Copyright 2007 Apple Inc. all rights reserved.  
Copyright 2007-2010 by the Sphinx team see AUTHORS. license BSD see LICENSE for details.  
Copyright (c) 2003-2016 Paul T. McGuire  
Copyright (c) 2010 Olivier Grisel <olivier.grisel@ensta.org>  
Copyright (C) 2007-2009 Cournapeau David <cournape@gmail.com>  
Copyright (c) 2001 2002 Enthought Inc. All rights reserved.  
Copyright (c) 2003-2017 SciPy Developers. All rights reserved.  
Copyright (c) 2006 Systems Optimization Laboratory All rights reserved.  
Copyright 2011, 2014 clause  
Copyright 2010 Gael Varoquaux License BSD  
Copyright (c) 2010-2013 Benjamin Peterson  
Copyright 2008-2010 Gael Varoquaux License BSD Style  
Copyright 2012 Twitter Inc  
Copyright 1998 Hewlett-Packard Co  
Copyright 2010-2011 Olivier Grisel <olivier.grisel@ensta.org> License BSD  
Copyright (c) 2007 David Cournapeau <cournape@gmail.com>  
Copyright 2012 Olivier Grisel License BSD  
Copyright (c) 2008 Brian M. Clapper <bmc@clapper.org> Gael Varoquaux Author Brian M. Clapper Gael Varoquaux  
LICENSE BSD  
Copyright (c) 2011 David Warde-Farley  
Copyright (c) 2007-2014 The LIBLINEAR Project. All rights reserved.  
Copyright 2010-2011, 2014 INRIA  
Copyright (c) 2000-2009 Chih-Chung Chang and Chih-Jen Lin All rights reserved.  
Copyright (c) 2011 2012 Authors Pietro Berkes Andreas Muller  
Copyright (c) 1999-2003 Steve Purcell  
Copyright 2010 Gael Varoquaux  
Copyright 1997, 1999 R. Clint Whaley



For details, see `doc/sphinxext/LICENSE.txt`

Name: `scipy-sphinx-theme`

Files: `doc/scipy-sphinx-theme/*`

License: 3-clause BSD, PSF and Apache 2.0

For details, see `doc/sphinxext/LICENSE.txt`

Name: `Six`

Files: `scipy/_lib/six.py`

License: MIT

For details, see the header inside `scipy/_lib/six.py`

Name: `Decorator`

Files: `scipy/_lib/decorator.py`

License: 2-clause BSD

For details, see the header inside `scipy/_lib/decorator.py`

Name: `ID`

Files: `scipy/linalg/src/id_dist/*`

License: 3-clause BSD

For details, see `scipy/linalg/src/id_dist/doc/doc.tex`

Name: `L-BFGS-B`

Files: `scipy/optimize/lbfgsb/*`

License: BSD license

For details, see `scipy/optimize/lbfgsb/README`

Name: `SuperLU`

Files: `scipy/sparse/linalg/dsolve/SuperLU/*`

License: 3-clause BSD

For details, see `scipy/sparse/linalg/dsolve/SuperLU/License.txt`

Name: `ARPACK`

Files: `scipy/sparse/linalg/eigen/arpack/ARPACK/*`

License: 3-clause BSD

For details, see `scipy/sparse/linalg/eigen/arpack/ARPACK/COPYING`

Name: `Qhull`

Files: `scipy/spatial/qhull/*`

License: Qhull license (BSD-like)

For details, see `scipy/spatial/qhull/COPYING.txt`

Name: `Cephes`

Files: `scipy/special/cephes/*`

License: 3-clause BSD

Distributed under 3-clause BSD license with permission from the author,  
see <https://lists.debian.org/debian-legal/2004/12/msg00295.html>

Cephes Math Library Release 2.8: June, 2000

Copyright 1984, 1995, 2000 by Stephen L. Moshier

This software is derived from the Cephes Math Library and is  
incorporated herein by permission of the author.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the <organization> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL <COPYRIGHT HOLDER> BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: Faddeeva

Files: scipy/special/Faddeeva.\*

License: MIT

Copyright (c) 2012 Massachusetts Institute of Technology

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Name: qd

Files: scipy/special/cephes/dd\_\*.ch

License: modified BSD license ("BSD-LBNL-License.doc")

This work was supported by the Director, Office of Science, Division of Mathematical, Information, and Computational Sciences of the U.S. Department of Energy under contract numbers DE-AC03-76SF00098 and DE-AC02-05CH11231.

Copyright (c) 2003-2009, The Regents of the University of California, through Lawrence Berkeley National Laboratory (subject to receipt of

any required approvals from U.S. Dept. of Energy) All rights reserved.

1. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

(1) Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

(2) Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

(3) Neither the name of the University of California, Lawrence Berkeley National Laboratory, U.S. Dept. of Energy nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

2. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

3. You are under no obligation whatsoever to provide any bug fixes, patches, or upgrades to the features, functionality or performance of the source code ("Enhancements") to anyone; however, if you choose to make your Enhancements available either publicly, or directly to Lawrence Berkeley National Laboratory, without imposing a separate written license agreement for such Enhancements, then you hereby grant the following license: a non-exclusive, royalty-free perpetual license to install, use, modify, prepare derivative works, incorporate into other computer software, distribute, and sublicense such enhancements or derivative works thereof, in binary and source code form.

----

This binary distribution of Scipy also bundles the following software:

Name: OpenBLAS

Files: .libs/libopenb\*.so

Description: bundled as a dynamically linked library

Availability: <https://github.com/xianyi/OpenBLAS/>

License: 3-clause BSD

Copyright (c) 2011-2014, The OpenBLAS Project

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the OpenBLAS project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: LAPACK

Files: .libs/libopenb\*.so

Description: bundled in OpenBLAS

Availability: <https://github.com/xianyi/OpenBLAS/>

License 3-clause BSD

Copyright (c) 1992-2013 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2000-2013 The University of California Berkeley. All rights reserved.

Copyright (c) 2006-2013 The University of Colorado Denver. All rights reserved.

\$COPYRIGHT\$

Additional copyrights may follow

\$HEADER\$

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer listed

in this license in the documentation and/or other materials provided with the distribution.

- Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against recipient by any third party for infringement of that parties intellectual property rights.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Name: GCC runtime library

Files: .libs/libgfortran\*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/viewcvs/gcc/>

License: GPLv3 + runtime exception

Copyright (C) 2002-2017 Free Software Foundation, Inc.

Libgfortran is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3, or (at your option) any later version.

Libgfortran is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

Under Section 7 of GPL version 3, you are granted additional permissions described in the GCC Runtime Library Exception, version 3.1, as published by the Free Software Foundation.

You should have received a copy of the GNU General Public License and a copy of the GCC Runtime Library Exception along with this program; see the files COPYING3 and COPYING.RUNTIME respectively. If not, see <http://www.gnu.org/licenses/>.

----

Full text of license texts referred to above follows (that they are



listed below does not necessarily imply the conditions apply to the present binary release):

----

## GCC RUNTIME LIBRARY EXCEPTION

The text of the GNU GCC RUNTIME LIBRARY EXCEPTION, Version 3.1 (March 2009), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

----

## GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007

The text of the GNU General Public License, Version 3 (June 2007), a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

>>>> tests/data/README

This directory contains numerical data for testing special functions.  
The data is in version control as text files.

The data is automatically packed into npz files by setup.py.  
The npz files should not be checked in version control.

The data in gsl is computed using the GNU scientific library, the data in local is computed using mpmath, and the data in boost is a copy of data distributed with the boost library and comes with the following license:

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====

Copyright holders of each file are listed here:

Jamfile.v2:# Copyright Daryle Walker, Hubert Holin, John Maddock 2006 - 2007  
acosh\_data.ipp:// Copyright John Maddock 2008.  
acosh\_test.hpp:// (C) Copyright Hubert Holin 2003.  
almost\_equal.ipp:// Copyright (c) 2006 Johan Rade  
asinh\_data.ipp:// Copyright John Maddock 2008.  
asinh\_test.hpp:// (C) Copyright Hubert Holin 2003.  
assoc\_legendre\_p.ipp:// (C) Copyright John Maddock 2006-7.  
atanh\_data.ipp:// Copyright John Maddock 2008.  
atanh\_test.hpp:// (C) Copyright Hubert Holin 2003.  
bessel\_i\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_i\_int\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_j\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_j\_int\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_j\_large\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_k\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_k\_int\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_y01\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_yn\_data.ipp:// Copyright (c) 2007 John Maddock  
bessel\_yv\_data.ipp:// Copyright (c) 2007 John Maddock  
beta\_exp\_data.ipp:// (C) Copyright John Maddock 2006.  
beta\_med\_data.ipp:// (C) Copyright John Maddock 2006.  
beta\_small\_data.ipp:// (C) Copyright John Maddock 2006.  
binomial\_data.ipp:// (C) Copyright John Maddock 2006-7.  
binomial\_large\_data.ipp:// (C) Copyright John Maddock 2006-7.  
binomial\_quantile.ipp:// (C) Copyright John Maddock 2006-7.  
cbrt\_data.ipp:// (C) Copyright John Maddock 2006-7.  
common\_factor\_test.cpp:// (C) Copyright Daryle Walker 2001, 2006.  
compile\_test/tools\_rational\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_real\_cast\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_remez\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_chi\_squared\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_complement\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_sign\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_digamma\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_trunc\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/constants\_incl\_test.cpp:// Copyright John Maddock 2012.  
compile\_test/sf\_sinc\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_binomial\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_binomial\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_test\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_normal\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_sinhc\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_ellint\_rc\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_sin\_pi\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_sph\_harm\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_poisson\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/test\_traits.cpp:// Copyright John Maddock 2007.  
compile\_test/dist\_gamma\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_cos\_pi\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_logistic\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/sf\_fpclassify\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_atanh\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_precision\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_hankel\_incl\_test.cpp:// Copyright John Maddock 2012.

compile\_test/sf\_cbrt\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_nc\_beta\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/sf\_legendre\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_stats\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_polynomial\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_config\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_exponential\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_students\_t\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_inv\_gamma\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_acosh\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_beta\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_fisher\_f\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_triangular\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/instantiate.hpp:// Copyright John Maddock 2006.  
compile\_test/instantiate.hpp:// Copyright Paul A. Bristow 2007, 2010.  
compile\_test/tools\_solve\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_next\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/generate.sh:// Copyright John Maddock 2006.  
compile\_test/generate.sh:// Copyright John Maddock 2006.  
compile\_test/generate.sh:// Copyright John Maddock 2006.  
compile\_test/distribution\_concept\_check.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_laguerre\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tr1\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/sf\_ellint\_rj\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_nc\_chi\_squ\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/dist\_skew\_norm\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_modf\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_find\_location\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_acos\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_ellint\_rd\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_roots\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_test\_data\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_abs\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_nc\_t\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/sf\_factorials\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_gamma\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_atan\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_powm1\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_hypot\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_pareto\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_round\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_weibull\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/std\_real\_concept\_check.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_hypergeo\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/dist\_inv\_chi\_sq\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_sqrt1pm1\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_log1p\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_jacobi\_incl\_test.cpp:// Copyright John Maddock 2012.  
compile\_test/dist\_neg\_binom\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_nc\_f\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/dist\_find\_scale\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_bessel\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_minima\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_asin\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_extreme\_val\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_lanczos\_incl\_test.cpp:// Copyright John Maddock 2006.

compile\_test/dist\_uniform\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/test\_compile\_result.hpp:// Copyright John Maddock 2007.  
compile\_test/tools\_series\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_ellint\_3\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_ellint\_rf\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_ellint\_2\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_hermite\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/poison.hpp:// Copyright John Maddock 2013.  
compile\_test/sf\_zeta\_incl\_test.cpp:// Copyright John Maddock 2007.  
compile\_test/dist\_laplace\_incl\_test.cpp:// Copyright John Maddock 2008.  
compile\_test/sf\_expint\_incl\_test.cpp:// Copyright John Maddock 2007.  
compile\_test/sf\_expm1\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_bernoulli\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/compl\_asinh\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_beta\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/tools\_fraction\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_owens\_t\_incl\_test.cpp:// Copyright John Maddock 2012.  
compile\_test/tools\_toms748\_inc\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_ellint\_1\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_erf\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/main.cpp:// Copyright John Maddock 2009.  
compile\_test/sf\_math\_fwd\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/sf\_airy\_incl\_test.cpp:// Copyright John Maddock 2012.  
compile\_test/dist\_lognormal\_incl\_test.cpp:// Copyright John Maddock 2006.  
compile\_test/dist\_cauchy\_incl\_test.cpp:// Copyright John Maddock 2006.  
complex\_test.cpp:// (C) Copyright John Maddock 2005.  
digamma\_data.hpp:// (C) Copyright John Maddock 2006-7.  
digamma\_neg\_data.hpp:// (C) Copyright John Maddock 2006-7.  
digamma\_root\_data.hpp:// (C) Copyright John Maddock 2006-7.  
digamma\_small\_data.hpp:// (C) Copyright John Maddock 2006-7.  
e\_float\_concept\_check.cpp:// Copyright John Maddock 2011.  
ellint\_e2\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_e\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_f\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_k\_data.hpp:// (C) Copyright John Maddock 2006-7.  
ellint\_pi2\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_pi3\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_pi3\_large\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_rc\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_rd\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_rf\_data.hpp:// Copyright (c) 2006 John Maddock  
ellint\_rj\_data.hpp:// Copyright (c) 2006 John Maddock  
erf\_data.hpp:// (C) Copyright John Maddock 2006-7.  
erf\_inv\_data.hpp:// (C) Copyright John Maddock 2006-7.  
erf\_large\_data.hpp:// (C) Copyright John Maddock 2006-7.  
erf\_small\_data.hpp:// (C) Copyright John Maddock 2006.  
erfc\_inv\_big\_data.hpp:// (C) Copyright John Maddock 2006-7.  
erfc\_inv\_data.hpp:// (C) Copyright John Maddock 2006-7.  
expint\_1\_data.hpp:// Copyright John Maddock 2008.  
expint\_data.hpp:// Copyright John Maddock 2008.  
expint\_small\_data.hpp:// Copyright John Maddock 2008.  
expinti\_data.hpp:// Copyright John Maddock 2008.  
expinti\_data\_double.hpp:// Copyright John Maddock 2008.  
expinti\_data\_long.hpp:// Copyright John Maddock 2008.  
functor.hpp:// (C) Copyright John Maddock 2007.  
gamma\_inv\_big\_data.hpp:// (C) Copyright John Maddock 2006-7.

gamma\_inv\_data.ipp:// (C) Copyright John Maddock 2006-7.  
gamma\_inv\_small\_data.ipp:// (C) Copyright John Maddock 2006-7.  
handle\_test\_result.hpp:// (C) Copyright John Maddock 2006-7.  
hermite.ipp:// (C) Copyright John Maddock 2006-7.  
hypergeometric\_dist\_data2.ipp:// Copyright John Maddock 2008  
hypergeometric\_test\_data.ipp:// Copyright Gautam Sewani 2008  
hypot\_test.cpp:// (C) Copyright John Maddock 2005.  
ibeta\_data.ipp:// (C) Copyright John Maddock 2006.  
ibeta\_int\_data.ipp:// (C) Copyright John Maddock 2006-7.  
ibeta\_inv\_data.ipp:// (C) Copyright John Maddock 2006-7.  
ibeta\_inva\_data.ipp:// (C) Copyright John Maddock 2006-7.  
ibeta\_large\_data.ipp:// (C) Copyright John Maddock 2006.  
ibeta\_small\_data.ipp:// (C) Copyright John Maddock 2006.  
igamma\_big\_data.ipp:// (C) Copyright John Maddock 2006.  
igamma\_int\_data.ipp:// (C) Copyright John Maddock 2006-7.  
igamma\_inva\_data.ipp:// (C) Copyright John Maddock 2006-7.  
igamma\_med\_data.ipp:// (C) Copyright John Maddock 2006.  
igamma\_small\_data.ipp:// (C) Copyright John Maddock 2006.  
jacobi\_elliptic.ipp:// Copyright John Maddock 2012.  
jacobi\_elliptic\_small.ipp:// Copyright John Maddock 2012.  
jacobi\_large\_phi.ipp:// Copyright John Maddock 2012.  
jacobi\_near\_1.ipp:// Copyright John Maddock 2012.  
laguerre2.ipp:// (C) Copyright John Maddock 2006-7.  
laguerre3.ipp:// (C) Copyright John Maddock 2006-7.  
legendre\_p.ipp:// (C) Copyright John Maddock 2006-7.  
legendre\_p\_large.ipp:// (C) Copyright John Maddock 2006-7.  
log1p\_expm1\_data.ipp:// (C) Copyright John Maddock 2006-7.  
log1p\_expm1\_test.cpp:// Copyright John Maddock 2005.  
log1p\_expm1\_test.cpp:// Copyright Paul A. Bristow 2010  
log1p\_expm1\_test.hpp:// Copyright John Maddock 2005.  
log1p\_expm1\_test.hpp:// Copyright Paul A. Bristow 2010  
mpfr\_concept\_check.cpp:// Copyright John Maddock 2007-8.  
mpreal\_concept\_check.cpp:// Copyright John Maddock 2007-8.  
multiprc\_concept\_check\_1.cpp:// Copyright John Maddock 2013.  
multiprc\_concept\_check\_2.cpp:// Copyright John Maddock 2013.  
multiprc\_concept\_check\_3.cpp:// Copyright John Maddock 2013.  
multiprc\_concept\_check\_4.cpp:// Copyright John Maddock 2013.  
ncbeta.ipp:// Copyright John Maddock 2008.  
ncbeta\_big.ipp:// Copyright John Maddock 2008.  
nccs.ipp:// Copyright John Maddock 2008.  
nccs\_big.ipp:// Copyright John Maddock 2008.  
nct.ipp:// Copyright John Maddock 2008.  
nct\_asym.ipp:// Copyright John Maddock 2012.  
nct\_small\_delta.ipp:// Copyright John Maddock 2012.  
negative\_binomial\_quantile.ipp:// (C) Copyright John Maddock 2006-7.  
ntl\_concept\_check.cpp:// Copyright John Maddock 2007-8.  
ntl\_concept\_check.cpp:// Copyright Paul A. Bristow 2009, 2011  
owens\_t.ipp:// Copyright John Maddock 2012.  
owens\_t\_T7.hpp:// Copyright (C) Benjamin Sobotta 2012  
owens\_t\_large\_data.ipp:// Copyright John Maddock 2012.  
pch.hpp:// Copyright John Maddock 2008.  
pch\_light.hpp:// Copyright John Maddock 2008.  
poisson\_quantile.ipp:// (C) Copyright John Maddock 2006-7.  
pow\_test.cpp:// (C) Copyright Bruno Lalande 2008.  
powm1\_sqrtp1m1\_test.cpp:// (C) Copyright John Maddock 2006.  
powm1\_sqrtp1m1\_test.hpp:// Copyright John Maddock 2006.

s\_ipp:// Copyright (c) 2006 Johan Rade  
s\_ipp:// Copyright (c) 2012 Paul A. Bristow  
sinc\_test.hpp:// (C) Copyright Hubert Holin 2003.  
sinhc\_test.hpp:// (C) Copyright Hubert Holin 2003.  
special\_functions\_test.cpp:// (C) Copyright Hubert Holin 2003.  
special\_functions\_test.cpp: BOOST\_TEST\_MESSAGE("(C) Copyright Hubert Holin 2003-2005.");  
sph\_bessel\_data.hpp:// Copyright (c) 2007 John Maddock  
sph\_neumann\_data.hpp:// Copyright (c) 2007 John Maddock  
spherical\_harmonic.hpp:// (C) Copyright John Maddock 2006-7.  
std\_real\_concept\_check.cpp:// Copyright John Maddock 2006.  
table\_type.hpp:// Copyright John Maddock 2012.  
test\_airy.cpp:// Copyright John Maddock 2012  
test\_archive.cpp:// Copyright (c) 2006 Johan Rade  
test\_archive.cpp:// Copyright (c) 2011 Paul A. Bristow - filename changes for boost-trunk.  
test\_basic\_nonfinite.cpp:// Copyright (c) 2006 Johan Rade  
test\_basic\_nonfinite.cpp:// Copyright (c) 2011 Paul A. Bristow comments  
test\_basic\_nonfinite.cpp:// Copyright (c) 2011 John Maddock  
test\_bernoulli.cpp:// Copyright John Maddock 2006.  
test\_bernoulli.cpp:// Copyright Paul A. Bristow 2007, 2012.  
test\_bessel\_airy\_zeros.cpp:// Copyright John Maddock 2013  
test\_bessel\_airy\_zeros.cpp:// Copyright Christopher Kormanyos 2013.  
test\_bessel\_airy\_zeros.cpp:// Copyright Paul A. Bristow 2013.  
test\_bessel\_hooks.hpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_i.cpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_i.hpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_j.cpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_j.hpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_k.cpp:// Copyright John Maddock 2006, 2007  
test\_bessel\_k.cpp:// Copyright Paul A. Bristow 2007  
test\_bessel\_k.hpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_y.cpp:// (C) Copyright John Maddock 2007.  
test\_bessel\_y.hpp:// (C) Copyright John Maddock 2007.  
test\_beta.cpp:// Copyright John Maddock 2006.  
test\_beta.cpp:// Copyright Paul A. Bristow 2007, 2009  
test\_beta.hpp:// Copyright John Maddock 2006.  
test\_beta.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_beta\_dist.cpp:// Copyright John Maddock 2006.  
test\_beta\_dist.cpp:// Copyright Paul A. Bristow 2007, 2009, 2010, 2012.  
test\_beta\_hooks.hpp:// (C) Copyright John Maddock 2006.  
test\_binomial.cpp:// Copyright John Maddock 2006.  
test\_binomial.cpp:// Copyright Paul A. Bristow 2007.  
test\_binomial\_coeff.cpp:// (C) Copyright John Maddock 2006.  
test\_binomial\_coeff.hpp:// Copyright John Maddock 2006.  
test\_binomial\_coeff.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_carlson.cpp:// Copyright 2006 John Maddock  
test\_carlson.cpp:// Copyright Paul A. Bristow 2007.  
test\_carlson.hpp:// Copyright John Maddock 2006.  
test\_carlson.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_cauchy.cpp:// Copyright John Maddock 2006, 2007.  
test\_cauchy.cpp:// Copyright Paul A. Bristow 2007  
test\_cbrt.cpp:// Copyright John Maddock 2006.  
test\_cbrt.cpp:// Copyright Paul A. Bristow 2010  
test\_cbrt.hpp:// Copyright John Maddock 2006.  
test\_cbrt.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_chi\_squared.cpp:// Copyright Paul A. Bristow 2006.  
test\_chi\_squared.cpp:// Copyright John Maddock 2007.

test\_classify.cpp:// Copyright John Maddock 2006.  
test\_classify.cpp:// Copyright Paul A. Bristow 2007  
test\_common\_factor\_gmpxx.cpp:// (C) Copyright John Maddock 2010.  
test\_constant\_generate.cpp:// Copyright John Maddock 2010.  
test\_constants.cpp:// Copyright Paul Bristow 2007, 2011.  
test\_constants.cpp:// Copyright John Maddock 2006, 2011.  
test\_digamma.cpp:// (C) Copyright John Maddock 2006.  
test\_digamma.hpp:// Copyright John Maddock 2006.  
test\_digamma.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_dist\_overloads.cpp:// Copyright John Maddock 2006.  
test\_dist\_overloads.cpp:// Copyright Paul A. Bristow 2007.  
test\_ellint\_1.cpp:// Copyright Xiaogang Zhang 2006  
test\_ellint\_1.cpp:// Copyright John Maddock 2006, 2007  
test\_ellint\_1.cpp:// Copyright Paul A. Bristow 2007  
test\_ellint\_1.hpp:// Copyright John Maddock 2006.  
test\_ellint\_1.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_ellint\_2.cpp:// Copyright Xiaogang Zhang 2006  
test\_ellint\_2.cpp:// Copyright John Maddock 2006, 2007  
test\_ellint\_2.cpp:// Copyright Paul A. Bristow 2007  
test\_ellint\_2.hpp:// Copyright John Maddock 2006.  
test\_ellint\_2.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_ellint\_3.cpp:// Copyright Xiaogang Zhang 2006  
test\_ellint\_3.cpp:// Copyright John Maddock 2006, 2007  
test\_ellint\_3.cpp:// Copyright Paul A. Bristow 2007  
test\_ellint\_3.hpp:// Copyright John Maddock 2006.  
test\_ellint\_3.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_erf.cpp:// Copyright John Maddock 2006.  
test\_erf.cpp:// Copyright Paul A. Bristow 2007  
test\_erf.hpp:// Copyright John Maddock 2006.  
test\_erf.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_erf\_hooks.hpp:// (C) Copyright John Maddock 2006.  
test\_error\_handling.cpp:// Copyright Paul A. Bristow 2006-7.  
test\_error\_handling.cpp:// Copyright John Maddock 2006-7.  
test\_expint.cpp:// (C) Copyright John Maddock 2007.  
test\_expint.hpp:// Copyright John Maddock 2006.  
test\_expint.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_expint\_hooks.hpp:// (C) Copyright John Maddock 2006.  
test\_exponential\_dist.cpp:// Copyright John Maddock 2006.  
test\_exponential\_dist.cpp:// Copyright Paul A. Bristow 2007.  
test\_extreme\_value.cpp:// Copyright John Maddock 2006.  
test\_factorials.cpp:// Copyright John Maddock 2006.  
test\_find\_location.cpp:// Copyright John Maddock 2007.  
test\_find\_location.cpp:// Copyright Paul A. Bristow 2007.  
test\_find\_scale.cpp:// Copyright John Maddock 2007.  
test\_find\_scale.cpp:// Copyright Paul A. Bristow 2007.  
test\_fisher\_f.cpp:// Copyright Paul A. Bristow 2006.  
test\_fisher\_f.cpp:// Copyright John Maddock 2007.  
test\_fisher\_f.cpp: // Distcalc version 1.2 Copyright 2002 H Lohninger, TU Wein  
test\_gamma.cpp:// (C) Copyright John Maddock 2006.  
test\_gamma.hpp:// Copyright John Maddock 2006.  
test\_gamma.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_gamma\_data.hpp:// (C) Copyright John Maddock 2006.  
test\_gamma\_dist.cpp:// Copyright John Maddock 2006.  
test\_gamma\_dist.cpp:// Copyright Paul A. Bristow 2007, 2010.  
test\_gamma\_hooks.hpp:// (C) Copyright John Maddock 2006.  
test\_geometric.cpp:// Copyright Paul A. Bristow 2010.

test\_geometric.cpp:// Copyright John Maddock 2010.  
test\_hankel.cpp:// Copyright John Maddock 2012  
test\_hermite.cpp:// Copyright John Maddock 2006, 2007  
test\_hermite.cpp:// Copyright Paul A. Bristow 2007  
test\_hermite.hpp:// Copyright John Maddock 2006.  
test\_hermite.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_hypergeometric\_dist.cpp:// Copyright John Maddock 2008  
test\_hypergeometric\_dist.cpp:// Copyright Paul A. Bristow  
test\_hypergeometric\_dist.cpp:// Copyright Gautam Sewani  
test\_ibeta.cpp:// (C) Copyright John Maddock 2006.  
test\_ibeta.hpp:// Copyright John Maddock 2006.  
test\_ibeta.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_ibeta\_inv.cpp:// (C) Copyright John Maddock 2006.  
test\_ibeta\_inv.hpp:// Copyright John Maddock 2006.  
test\_ibeta\_inv.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_ibeta\_inv\_ab.cpp:// (C) Copyright John Maddock 2006.  
test\_ibeta\_inv\_ab.hpp:// Copyright John Maddock 2006.  
test\_ibeta\_inv\_ab.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_igamma.cpp:// (C) Copyright John Maddock 2006.  
test\_igamma.hpp:// Copyright John Maddock 2006.  
test\_igamma.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_igamma\_inv.cpp:// (C) Copyright John Maddock 2006.  
test\_igamma\_inv.hpp:// Copyright John Maddock 2006.  
test\_igamma\_inv.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_igamma\_inva.cpp:// (C) Copyright John Maddock 2006.  
test\_igamma\_inva.hpp:// Copyright John Maddock 2006.  
test\_igamma\_inva.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_instances/double\_test\_instances\_4.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_4.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_8.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_9.cpp:// Copyright John Maddock 2011.  
test\_instances/Jamfile.v2:# Copyright ohn Maddock 2012  
test\_instances/real\_concept\_test\_instances\_5.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_6.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_4.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_7.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_2.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_5.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_9.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_1.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_6.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_6.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_7.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_7.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_3.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_6.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_9.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_2.cpp:// Copyright John Maddock 2011.  
test\_instances/pch.hpp:// Copyright John Maddock 2012.  
test\_instances/ldouble\_test\_instances\_2.cpp:// Copyright John Maddock 2011.  
test\_instances/long\_double\_test\_instances\_1.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_7.cpp:// Copyright John Maddock 2011.  
test\_instances/test\_instances.hpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_10.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_3.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_3.cpp:// Copyright John Maddock 2011.



test\_instances/real\_concept\_test\_instances\_10.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_5.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_8.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_8.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_1.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_10.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_10.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_9.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_4.cpp:// Copyright John Maddock 2011.  
test\_instances/real\_concept\_test\_instances\_3.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_2.cpp:// Copyright John Maddock 2011.  
test\_instances/float\_test\_instances\_1.cpp:// Copyright John Maddock 2011.  
test\_instances/double\_test\_instances\_8.cpp:// Copyright John Maddock 2011.  
test\_instances/ldouble\_test\_instances\_5.cpp:// Copyright John Maddock 2011.  
test\_instantiate1.cpp:// Copyright John Maddock 2006.  
test\_instantiate2.cpp:// Copyright John Maddock 2006.  
test\_inv\_hyp.cpp:// (C) Copyright John Maddock 2006.  
test\_inverse\_chi\_squared.cpp:// Copyright Paul A. Bristow 2010.  
test\_inverse\_chi\_squared.cpp:// Copyright John Maddock 2010.  
test\_inverse\_chi\_squared\_distribution.cpp:// Copyright Paul A. Bristow 2010.  
test\_inverse\_chi\_squared\_distribution.cpp:// Copyright John Maddock 2010.  
test\_inverse\_gamma\_distribution.cpp:// Copyright Paul A. Bristow 2010.  
test\_inverse\_gamma\_distribution.cpp:// Copyright John Maddock 2010.  
test\_inverse\_gaussian.cpp:// Copyright Paul A. Bristow 2010.  
test\_inverse\_gaussian.cpp:// Copyright John Maddock 2010.  
test\_jacobi.cpp:// Copyright John Maddock 2012  
test\_jacobi.hpp:// Copyright John Maddock 2006.  
test\_jacobi.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_laguerre.cpp:// (C) Copyright John Maddock 2006.  
test\_laguerre.hpp:// Copyright John Maddock 2006.  
test\_laguerre.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_laplace.cpp:// Copyright Thijs van den Berg, 2008.  
test\_laplace.cpp:// Copyright John Maddock 2008.  
test\_laplace.cpp:// Copyright Paul A. Bristow 2008, 2009.  
test\_ldouble\_simple.cpp:// Copyright John Maddock 2013.  
test\_legacy\_nonfinite.cpp:// Copyright (c) 2006 Johan Rade  
test\_legacy\_nonfinite.cpp:// Copyright (c) 2011 Paul A. Bristow comments  
test\_legendre.cpp:// (C) Copyright John Maddock 2006.  
test\_legendre.hpp:// Copyright John Maddock 2006.  
test\_legendre.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_legendre\_hooks.hpp:// (C) Copyright John Maddock 2006.  
test\_lexical\_cast.cpp:// Copyright (c) 2006 Johan Rade  
test\_lexical\_cast.cpp:// Copyright (c) 2011 Paul A. Bristow incorporated Boost.Math  
test\_logistic\_dist.cpp:// Copyright 2008 Gautam Sewani  
test\_lognormal.cpp:// Copyright John Maddock 2006.  
test\_lognormal.cpp:// Copyright Paul A. Bristow 2007  
test\_long\_double\_support.cpp:// Copyright John Maddock 2009  
test\_math\_fwd.cpp:// Copyright John Maddock 2010.  
test\_math\_fwd.cpp:// Copyright Paul A. Bristow 2010.  
test\_minima.cpp:// Copyright John Maddock 2006.  
test\_minima.cpp:// Copyright Paul A. Bristow 2007.  
test\_nc\_beta.cpp:// Copyright John Maddock 2008.  
test\_nc\_chi\_squared.cpp:// Copyright John Maddock 2008.  
test\_nc\_f.cpp:// Copyright John Maddock 2008.  
test\_nc\_t.cpp:// Copyright John Maddock 2008, 2012.  
test\_nc\_t.cpp:// Copyright Paul A. Bristow 2012.

test\_ncbeta\_hooks.hpp:// (C) Copyright John Maddock 2008.  
test\_nccs\_hooks.hpp:// (C) Copyright John Maddock 2008.  
test\_negative\_binomial.cpp:// Copyright Paul A. Bristow 2007.  
test\_negative\_binomial.cpp:// Copyright John Maddock 2006.  
test\_next.cpp:// (C) Copyright John Maddock 2008.  
test\_nonfinite\_io.cpp:// Copyright 2011 Paul A. Bristow  
test\_nonfinite\_trap.cpp:// Copyright (c) 2006 Johan Rade  
test\_nonfinite\_trap.cpp:// Copyright (c) 2011 Paul A. Bristow To incorporate into Boost.Math  
test\_normal.cpp:// Copyright Paul A. Bristow 2010.  
test\_normal.cpp:// Copyright John Maddock 2007.  
test\_out\_of\_range.hpp:// Copyright John Maddock 2012.  
test\_owens\_t.cpp:// Copyright Paul A. Bristow 2012.  
test\_owens\_t.cpp:// Copyright Benjamin Sobotta 2012.  
test\_pareto.cpp:// Copyright Paul A. Bristow 2007, 2009.  
test\_pareto.cpp:// Copyright John Maddock 2006.  
test\_poisson.cpp:// Copyright Paul A. Bristow 2007.  
test\_poisson.cpp:// Copyright John Maddock 2006.  
test\_policy.cpp:// Copyright John Maddock 2007.  
test\_policy\_2.cpp:// Copyright John Maddock 2007.  
test\_policy\_3.cpp:// Copyright John Maddock 2007.  
test\_policy\_4.cpp:// Copyright John Maddock 2007.  
test\_policy\_5.cpp:// Copyright John Maddock 2007.  
test\_policy\_6.cpp:// Copyright John Maddock 2007.  
test\_policy\_7.cpp:// Copyright John Maddock 2007.  
test\_policy\_8.cpp:// Copyright John Maddock 2007.  
test\_policy\_sf.cpp:// (C) Copyright John Maddock 2007.  
test\_print\_info\_on\_type.cpp:// Copyright John Maddock 2010.  
test\_rational\_instances/test\_rational\_ldouble2.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_float2.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_double2.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_double3.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_ldouble1.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_float4.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_double5.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_double4.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_real\_concept1.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_real\_concept3.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational.hpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_ldouble3.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_float3.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_real\_concept5.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_ldouble5.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_ldouble4.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_double1.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_real\_concept4.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_real\_concept2.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rational\_instances/test\_rational\_float1.cpp:// (C) Copyright John Maddock 2006-7.  
test\_rationals.cpp:// (C) Copyright John Maddock 2006.  
test\_rayleigh.cpp:// Copyright John Maddock 2006.  
test\_real\_concept.cpp:// Copyright John Maddock 2010  
test\_real\_concept\_neg\_bin.cpp:// Copyright Paul A. Bristow 2010.  
test\_real\_concept\_neg\_bin.cpp:// Copyright John Maddock 2010.  
test\_remez.cpp:// Copyright John Maddock 2006  
test\_remez.cpp:// Copyright Paul A. Bristow 2007  
test\_roots.cpp:// (C) Copyright John Maddock 2006.  
test\_round.cpp:// (C) Copyright John Maddock 2007.

test\_sign.cpp:#define BOOST\_TEST\_MAIN// Copyright John Maddock 2008  
test\_sign.cpp:// (C) Copyright Paul A. Bristow 2011 (added tests for changesign)  
test\_signed\_zero.cpp:// Copyright 2006 Johan Rade  
test\_signed\_zero.cpp:// Copyright 2011 Paul A. Bristow To incorporate into Boost.Math  
test\_signed\_zero.cpp:// Copyright 2012 Paul A. Bristow with new tests.  
test\_skew\_normal.cpp:// Copyright Paul A. Bristow 2012.  
test\_skew\_normal.cpp:// Copyright John Maddock 2012.  
test\_skew\_normal.cpp:// Copyright Benjamin Sobotta 2012  
test\_spherical\_harmonic.cpp:// (C) Copyright John Maddock 2006.  
test\_students\_t.cpp:// Copyright Paul A. Bristow 2006.  
test\_students\_t.cpp:// Copyright John Maddock 2006.  
test\_tgamma\_ratio.cpp:// (C) Copyright John Maddock 2006.  
test\_tgamma\_ratio.hpp:// Copyright John Maddock 2006.  
test\_tgamma\_ratio.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_toms748\_solve.cpp:// (C) Copyright John Maddock 2006.  
test\_tr1.c:/\* (C) Copyright John Maddock 2008.  
test\_tr1.cpp:// (C) Copyright John Maddock 2008.  
test\_triangular.cpp:// Copyright Paul Bristow 2006, 2007.  
test\_triangular.cpp:// Copyright John Maddock 2006, 2007.  
test\_uniform.cpp:// Copyright Paul Bristow 2007.  
test\_uniform.cpp:// Copyright John Maddock 2006.  
test\_weibull.cpp:// Copyright John Maddock 2006, 2012.  
test\_weibull.cpp:// Copyright Paul A. Bristow 2007, 2012.  
test\_zeta.cpp:// (C) Copyright John Maddock 2006.  
test\_zeta.hpp:// Copyright John Maddock 2006.  
test\_zeta.hpp:// Copyright Paul A. Bristow 2007, 2009  
test\_zeta\_hooks.hpp:// (C) Copyright John Maddock 2006.  
tgamma\_delta\_ratio\_data.hpp:// (C) Copyright John Maddock 2006-7.  
tgamma\_delta\_ratio\_int.hpp:// (C) Copyright John Maddock 2006-7.  
tgamma\_delta\_ratio\_int2.hpp:// (C) Copyright John Maddock 2006-7.  
tgamma\_ratio\_data.hpp:// (C) Copyright John Maddock 2006-7.  
zeta\_1\_below\_data.hpp:// Copyright John Maddock 2008.  
zeta\_1\_up\_data.hpp:// Copyright John Maddock 2008.  
zeta\_data.hpp:// Copyright John Maddock 2008.  
zeta\_neg\_data.hpp:// Copyright John Maddock 2008.  
ztest\_max\_digits10.cpp: // Copyright 2010 Paul A. Bristow  
zztest\_max\_digits10.cpp:// Copyright 2010 Paul A. Bristow

Copyright 2006 Johan Rade asinh  
Copyright 2001, 2006 Daryle Walker  
Copyright 2005-2015 Michele Simionato  
Copyright 2003 The Regents of the University of California through  
Copyright 2006 Johan Rade  
Copyright 2008 Gautam Sewani  
Copyright 2007 John Maddock sph  
Copyright 2011-2014 The OpenBLAS Project  
Copyright 2006, 2011 John Maddock test  
Copyright 1996-2008 Rice University. Developed by D.C. Sorensen R.B. Lehoucq C. Yang and K. Maschhoff  
Copyright 1992-2015 The University of Tennessee and The University of Tennessee Research Foundation  
Copyright 2012 Paul A. Bristow with new tests. test  
Copyright 2002-2017 Free Software Foundation Inc  
Copyright 2002 Pearu Peterson  
Copyright 2003-2009 The Regents of the University of California through Lawrence Berkeley National Laboratory  
Copyright 2008 Bruno Lalande

Copyright 1992-2004 Microsoft Corporation. All rights reserved.  
Copyright 2005-2013 John Maddock  
Copyright 1984, 1995, 2000 Stephen L. Moshier  
Copyright 2010 Thomas P. Robitaille  
Copyright 2007 Sbastien Fabbro  
Copyright 2010 David Fong and Michael Saunders Distributed  
Copyright 2012 Benjamin Sobotta  
Copyright 2011 Paul A. Bristow Inc Boost.Math test  
Copyright 2011 Paul A. Bristow To incorporate into Boost.Math test  
Copyright 2011 Paul A. Bristow test  
Copyright 2010 Paul A. Bristow zztest  
Copyright 2008 Gautam Sewani test  
Copyright 2004 David M. Cooke <cookedm@physics.mcmaster.ca>  
Copyright 2006 Johan Rade test  
Copyright 2007 John Travers <jtravs@gmail.com>  
Copyright 2011 Paul A. Bristow - filename changes for boost-trunk. test  
Copyright 2006-2015 The University of Colorado Denver  
Copyright 2006 Systems Optimization Laboratory  
Copyright 2006-2007 Robert Hetland <hetland@tamu.edu>  
Copyright 2013 Kenneth L. Ho Redistribution and  
Copyright 2003-2017 SciPy Developers  
Copyright 2008 Brian M. Clapper <bmc@clapper.org> Gael Varoquaux Author Brian M. Clapper Gael Varoquaux License  
Copyright 2011 Paul A. Bristow comments test  
Copyright 2002-2016 The SciPy Developers  
Copyright 2010-2012 Benjamin Peterson  
Copyright 2006 Xiaogang Zhang  
Copyright 1997 Microsoft Corp  
Copyright 2004-2005 Jean-Sebastien Roy (js@jeannot.org)  
Copyright 1992-2015 The University of Tennessee and The University  
Copyright 2012 ohn Maddock  
Copyright 2010 Jordi Gutierrez Hermoso  
Copyright 2006 John Maddock ellint  
Copyright 2007-2008 Damian Eads  
Copyright 2006-2007, 2011 Paul Bristow  
Copyright 2001-2011 Scilab Enterprises Updated by Allan Cornet Sylvestre Ledru  
Copyright 2009, 2015 Pauli Virtanen <pav@iki.fi> Distributed  
Copyright 1992-2004 P.J. Plauger  
Copyright 2007 John Maddock bessell  
Copyright 2007 John Maddock beta  
Copyright 2006-2013 Paul A. Bristow  
Copyright 2009, 2015 Pauli Virtanen <pav@iki.fi>  
Copyright 2002 H Lohninger TU Wein test  
Copyright 2008 Thijs van den Berg  
Copyright 2006 John Maddock erf  
Copyright 2003-2005 Peter J. Verveer  
Copyright 2013 Christopher Kormanyos  
Copyright 2006-2007 Daryle Walker Hubert Holin John Maddock  
Copyright 2010 David Fong and Michael Saunders  
Copyright 2012 Paul A. Bristow sinc  
Copyright 2001-2002, 2004-2005 Enthought Inc  
Copyright 2013 Kenneth L. Ho  
Copyright 2009 Motorola Inc  
Copyright 2003-2005 Hubert Holin  
Copyright 2007 John Maddock spherical  
Copyright 2012 Massachusetts Institute of Technology  
Copyright 2000-2015 The University of California Berkeley



c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

### 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Each Contributor must include the following in a conspicuous location in the Program:

Copyright © {date here}, Synopsys, Inc. and others. All Rights reserved.

In addition, each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations.

The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

#### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

#### 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Synopsys may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. No one other than Synopsys has the right to modify this Agreement. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of California, without reference to conflict of laws principles. Each party waives its rights to a jury trial in any resulting litigation.











Agreement.

MIT License

=====

Copyright (c) 2006 Bob Ippolito

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Academic Free License v. 2.1

=====

Copyright (c) 2006 Bob Ippolito. All rights reserved.

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

- a) to reproduce the Original Work in copies;
- b) to prepare derivative works ("Derivative Works") based upon the Original Work;
- c) to distribute copies of the Original Work and Derivative Works to the public;
- d) to perform the Original Work publicly; and
- e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source

Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately preceding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. Â§ 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.









EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Certain files are:

Copyright (c) 2004-2011, 2004-2012 QOS.ch  
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Certain files are:

Copyright (c) 2001-2004 The Apache Software Foundation.

Apache-2.0

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

The text of the Apache License, Version 2, a copy of which is made available below in Part Four of this document, was originally presented here, or as applicable, applies to the above-listed file(s).

Certain files are:

Logback: the reliable, generic, fast and flexible logging framework.

Copyright (C) 1999-2006, QOS.ch

This library is free software, you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation. /

The text of the GNU Lesser General Public License is made available below in Part Four of this document.

Certain files are:











Copyright 1994-1995, 1999 Free Software Foundation Inc  
Copyright 2003 Martin Wille  
Copyright 2006 to include  
Copyright 2002 Brad King (brad.king@kitware.com)  
Copyright 2005 Markus Schoepflin  
Copyright 2003 Dan Watkins  
Copyright 2008 notice to include  
Copyright 2003 Eric Friedman  
Copyright 2003 The Trustees of Indiana University  
Copyright 1999-2000 Jaakko Jrv (jaakko.jarvi@cs.utu.fi)  
Copyright 2001-2003 Toon Knaben  
Copyright 2005 Rene Rivera  
Copyright 2000-2004 Aleksey Gurtovoy  
Copyright 2004 Stefan Slapeta  
Copyright 2001 Lie-Quan Lee  
Copyright 1996 TLM  
Copyright 2002 Peter Dimov and David Abrahams  
Copyright 1993 David Keppel  
Copyright 1996-2014 all Contributors  
Copyright 2002-2003 Guillaume Melquiond  
Copyright 2003 Gennaro Prota  
Copyright 2001-2002 Bill Kempf  
Copyright 2001-2005 Peter Dimov  
Copyright 2002-2003 Markus Schpflin  
Copyright 2016-2017 Xilinx, Inc.

Certain files:

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 1993 by David Keppel

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice and this notice appear in all copies. This software

is provided as a proof-of-concept and for demonstration purposes; there is no representation about the suitability of this software for any purpose.

systemc-2.3.1/src/sysc/qt/md/threads.Makefile:

Free Software Foundation, Inc.

DATES:

1994, 1995, 1999

NOTICE: Free-Software-Foundation

This Makefile.in is free software; the Free Software Foundation gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

Accellera Systems Initiative

The purpose of the following license agreement (the "Agreement") is to encourage interoperability and development of a C++ modeling language known as "SystemC" for system simulation and design (the "Purpose"). The SystemC software and other items licensed hereunder are licensed, without fee of any kind, for use pursuant to the terms and conditions set forth in this Agreement.

License Agreement

THE CONTRIBUTORS ARE WILLING TO LICENSE THEIR RESPECTIVE CONTRIBUTIONS TO YOU ONLY ON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS OF THIS LICENSE AGREEMENT. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS LICENSE AGREEMENT, THEN NO RIGHTS ARE GRANTED TO YOU HEREUNDER TO USE ANY CONTRIBUTIONS. NOTWITHSTANDING ANYTHING TO CONTRARY, ANY USE, REPRODUCTION OR DISTRIBUTION OF ANY CONTRIBUTION CONSTITUTES YOUR ACCEPTANCE OF THIS AGREEMENT.

## 1. Definitions

1.1 "Agreement" means this contract.

1.2 "Accellera" means Accellera Systems Initiative, a California nonprofit mutual benefit corporation.

1.3 "Accellera Documentation" means the SystemC language reference manual and any other materials assigned to Accellera pursuant to the Copyright Agreement.

1.4 "Accellera Release" means a Contribution or combination of Contributions which is developed or created through the Accellera working group process, and the final work approved for release by a Accellera working group, approved for release by the Accellera steering group and approved for release by the board of directors of Accellera. Examples of Accellera Releases include Accellera libraries and Accellera specifications. Accellera Documentation shall be deemed to be included in the definition of Accellera Release.

1.5 "Code Contribution" means any Contribution in the form of Source Code.

1.6 "Contribution" means any work of authorship that is deposited or contributed in accordance with Section 3 in furtherance of the Purpose including, without limitation, libraries, programs, specifications and User Documentation and Modifications. Without limiting the generality of the foregoing, a list of all Contributions which were deposited or contributed on or before July 13, 2006 is set forth on Exhibit A attached hereto and incorporated herein by reference, all of which are considered Contributions pursuant to

this Agreement. A list of all Contributions is available upon written request to Accellera and can also be found on the Website. For purposes of clarification, all contributions licensed pursuant to that certain SystemC Open Source License Agreement (Software Download and Use License Agreement Version 2.4) shall constitute, and be treated as, Contributions pursuant to this Agreement.



1.7 “Copyright Agreement” means any LRM and Copyright Contribution Agreement entered into between Accellera and the signatory thereto at any time prior to or after the date hereof.

1.8 “Contribution Questionnaire” means the questionnaire attached hereto as Exhibit C.

1.9 “Contributor” means any person or entity that makes a Contribution pursuant to Section 3. For purposes of clarification, any person or entity depositing or contributing, as part or all of a Contribution, a Contribution which has previously been so deposited or contributed is not the Contributor of such re-deposited Contribution for the purposes of this Agreement. A list of all Contributors is available upon written request to Accellera and can also be found on the Website.

1.10 “Contributor's Necessary Patent Claims” means those claims of all patents owned or licensable by Contributor throughout the world that: (1) Contributor has the right to license (within the scope set forth herein) without the obligation to pay royalties or other consideration to third parties; and (2) are necessarily and directly infringed solely by the portion of a computer program that either implements, or is compiled from, either an unmodified Contribution or an Accellera Release. For clarity, Contributor’s Necessary Patent Claims shall not include any claim directed towards a data structure, method, algorithm, process, technique, circuit representation, or circuit implementation that is not completely and entirely described either in such Contributor’s Contribution or in an Accellera Release. Further, a Contributor’s Necessary Patent Claims shall not include any claim based upon the combination of any Contribution or an Accellera Release with other works of authorship, to the extent that the Contributor’s Necessary Patent Claims are infringed as a result of such combination.

1.11 “Copyright Rights” means worldwide statutory and common law rights associated solely with works of authorship including copyrights, copyright applications, copyright registrations, and “moral rights”. For purposes of clarification, patents are not included in Copyright Rights.

1.12 “Derivative” or “Derivative work” means a work based upon one or more preexisting works, such as a translation, condensation, or any other form in which a work may be recast, transformed, or adapted. A work consisting of editorial revisions, annotations, elaborations, or other modifications, which, as a whole, represent an original work of authorship, is a “derivative work”.

1.13 “Distribute” means making a Distribution.

1.14 “Distribution” means any distribution, sublicensing or other transfer of a Contribution to any third party.

1.15 “Documentation” means, collectively, all User Documentation and Accellera Documentation.

1.16 “Marks” means, collectively, the registered and unregistered marks and logos that Accellera has licensed or otherwise authorized Recipient to use. All marks and logos are listed on Exhibit D, which list may be amended from time to time by Accellera to add or delete any marks or logos.

1.17 “Modification” means any additions or deletions to any Contribution.

1.18 “Recipient” means any person or entity which receives any Contribution under this Agreement. For legal entities, “Recipient” includes any entity that controls, is controlled by, or is under common control with

Recipient. For purposes of this Section 1.18, “control” means beneficial ownership of fifty percent (50%) or more of the outstanding shares or similar interest of such entity entitled to vote for election of the board of directors or similar managing authority.

1.19 “Source Code” means human readable text in an electronic form suitable for modification that describe the functions and data structures, including C, C++, and other language modules, plus any associated interface definition files, scripts used to control compilation and installation of a computer program, or a list of source code differential comparisons.

1.20 “User Documentation” means all user guides, user manuals and other similar materials related to any Contribution or an Accellera Release.

1.21 "Website" means Accellera's internet website located at <http://www.accellera.org>.

## 2. GRANT OF RIGHTS

2.1 Subject to the terms of this Agreement, each Contributor hereby grants to each Recipient a non-exclusive, worldwide, royalty-free license under such Contributor's Copyright Rights to do the following:

(a) Use, reproduce, prepare Derivative works of, publicly display, publicly perform and Distribute any Contributions of such Contributor and Derivative works thereof; and

(b) Use the know-how, information and knowledge embedded in the Contribution, without any obligation to keep the foregoing confidential so long as the Recipient does not otherwise violate this Agreement.

2.2 Accellera hereby grants to each Recipient a non-exclusive, worldwide, royalty-free license under Accellera's Copyright Rights to use, reproduce, prepare Derivative works of, publicly display, publicly perform and distribute the Accellera Documentation and any Derivative works thereof, subject to the terms and conditions of this Agreement.

2.3 Subject to the terms of this Agreement, each Contributor hereby grants to each Recipient, a worldwide, royalty-free, non-exclusive license under such Contributor's Necessary Patent Claims to make, have made, use, sell, offer for sale, or import: (a) such Contributor's Contributions; (b) those portions of a computer program that either implements, or is compiled from, the Contributor's unmodified Contribution; and (c) those portions of a computer program that implement, or are compiled from, an Accellera Release.

2.4 Each Contributor represents that, to its knowledge, it has sufficient rights in and to each of its Contributions to grant the licenses set forth in Sections 2.1 and 2.3. Accellera represents that, to its knowledge, it has sufficient rights in the Accellera Documentation to grant the license set forth in Section 2.2.

2.5 Except as expressly stated in Sections 2.1, 2.2 and 2.3, Recipient receives no rights or licenses to the intellectual property of any Contributor or Accellera under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in and to any Contribution not expressly granted under this Agreement are reserved.

2.6 Except as specifically set forth in any Copyright Agreement, Contributor shall ensure that transfers or assignments of all or any part of its right, title, and interest in and to any Contributions contributed or

deposited by Contributor hereunder, including all Copyright Rights and patent rights embodied therein, shall be subject to the rights expressly granted in this Agreement including, without limitation, the licenses granted in Sections 2.1 and 2.3. Recipient shall not remove or alter any proprietary notices contained in the Contributions licensed to Recipient hereunder and shall reproduce and include such notices on any copies of the Contributions made by Recipient in any media.

### 2.7 License to Marks.

(a) Accellera shall retain all right, title and interest in and to the Marks worldwide, subject to the limited license granted to Recipient in this Section 2.7. Accellera hereby grants Recipient a non-exclusive, royalty-free, limited license to use the Marks solely in connection with its exercise of the rights granted pursuant to this Agreement and to indicate that the products being marketed by Recipient are compatible with, and meet the standards of, Accellera Releases. All uses of the Marks shall be in accordance with Accellera's trademark usage policy set forth in Exhibit D.

(b) Recipient shall assist Accellera to the extent reasonably necessary to protect and maintain the Marks worldwide, including, but not limited to, giving prompt notice to Accellera of any known or potential infringement of the Marks, and cooperating with Accellera in preparing and executing any documents necessary to register the Marks, or as may be required by the laws or rules of any country or jurisdiction. In its sole discretion, Accellera may commence, prosecute or defend any action or claim concerning the Marks. Accellera shall have the right to control any such litigation, and Recipient shall fully

cooperate with Accellera in any such litigation. Accellera shall reimburse Recipient for the reasonable costs associated with providing such assistance, except to the extent that such costs result from Recipient's breach of this Section 2.7. Recipient shall not commence any action regarding the Marks without Accellera's prior written consent.

(c) All goodwill with respect to the Marks shall accrue for the sole benefit of Accellera. Recipient shall maintain the quality of any products, associated packaging, collateral and marketing materials on which it uses any of the Marks in a manner consistent with all terms, conditions and requirements set forth in this Section 2.7 and at a level that meets or exceeds Recipient's overall reputation for quality and that is at least commensurate with industry standards.

2.8 RECIPIENT UNDERSTANDS THAT ALTHOUGH EACH CONTRIBUTOR AND ACCELLERA GRANTS THE LICENSES SET FORTH HEREIN, NO ASSURANCES ARE PROVIDED BY ANY CONTRIBUTOR OR ACCELLERA THAT ANY ACCELLERA RELEASE OR ANY CONTRIBUTION, EITHER ALONE OR IN COMBINATION WITH ANY OTHER CONTRIBUTION, DOES NOT INFRINGE THE PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF ANY OTHER ENTITY. MOREOVER, NO ASSURANCES ARE MADE THAT ANY CONTRIBUTION OF ONE CONTRIBUTOR DOES NOT INFRINGE THE INTELLECTUAL PROPERTY RIGHTS OF ANOTHER CONTRIBUTOR. EACH CONTRIBUTOR AND ACCELLERA DISCLAIM ANY LIABILITY TO RECIPIENT FOR CLAIMS BROUGHT BY ANY OTHER ENTITY BASED ON INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OR OTHERWISE. In addition, as a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute a computer program, then it is Recipient's responsibility to acquire that license before Distributing such computer program.

### 3. DESCRIPTION AND DEPOSIT OF CONTRIBUTIONS

3.1 To the extent Recipient wishes to become a Contributor by making a Contribution, such Contributor shall:

(a) (i) Deposit such Contribution at the Website according to the Contribution instructions found at such Website, or (ii) disclose such Contribution at a meeting of any working group of Accellera;

(b) (i) Describe such Contribution in reasonable detail on Exhibit B (including the additions or changes such Contributor made to create the Contribution and the date of any such changes or additions), (ii) completing a Contribution Questionnaire with respect to such Contribution, and (iii) delivering both documents to the Secretary of Accellera. All Contributions made after the date hereof shall be effectuated by Contributor (x) amending Exhibit B and delivering such amended Exhibit B to the Secretary of Accellera, which amended exhibit shall automatically replace the existing Exhibit B, (y) completing a Contribution Questionnaire with respect to such Contribution, and (z) delivering both documents to the Secretary of Accellera;

(c) Cause such Contribution to contain a file documenting such Contributor's name and contact information, additions or changes such Contributor made to create the Contribution, and the date of any such changes or additions; and

(d) Cause such Contribution to include in each file a prominent statement substantially similar to the following: "Any code contained in this Contribution is derived, directly or indirectly, from the SystemC source code. Copyright© 1996-[current year here] by all Contributors. All Rights reserved. The contents of this file are subject to the restrictions and limitations set forth in the SystemC Open Source License Version 3.1 (the "License"). You may not use this file except in compliance with such restrictions and limitations. You may obtain instructions on how to receive a copy of the License at <http://www.accellera.org/>. Software distributed by Contributors under the License is distributed exclusively on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License."

3.2 Accellera may from time to time publish policies and procedures regarding the contribution or depositing of Contributions as well as establish additional details regarding the contribution process. Without limiting the foregoing, Accellera or the administrators of the Website shall have the right to remove any Contribution from the Website at any time.

## 4. REQUIREMENTS OF DISTRIBUTION

4.1 A Recipient may choose to Distribute any Contribution or any compilation of multiple Contributions (except for any Code Contributions) under its own license agreement provided that:

- (a) Recipient complies with the terms and conditions of this Agreement;
- (b) As between Recipient and any other Contributor, Recipient assumes all warranties and conditions, express and implied, and all liability for damages arising out of its Distribution; and
- (c) Recipient makes available to recipients of such Distribution then Source Code for such Distributions, and informs them on how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

4.2 If a Recipient chooses to Distribute any Code Contribution or compilations of Code Contributions then:

- (a) Such Code Contribution must be Distributed under this Agreement; and
- (b) A copy of this Agreement must be included with each copy of such Code Contribution.

4.3 Each Recipient must include the following in a conspicuous location in the Code Contribution so Distributed: “Copyright© 1996-[current year here], by all Contributors. All rights reserved.”

4.4 In addition, each Recipient that creates and Distributes or otherwise transfers a Modification whether or not such Modification has been deposited pursuant to Section 3 must identify the originator of such Modification in a manner that reasonably allows third parties to identify the originator of the Modification.

4.5 A Recipient may choose to Distribute the Accellera Documentation under its own license agreement, provided that Recipient complies with the terms and conditions of this Agreement. Each Recipient must include the following in a conspicuous location in the Accellera Documentation so Distributed or transferred: “Copyright© 1996-[current year here], by Accellera Systems Initiative. All rights reserved.”

In addition, each Recipient that creates and Distributes a modification or Derivative work of the Accellera Documentation, whether or not such modification or Derivative work has been contributed pursuant to a Copyright Agreement must identify the originator of such modification or Derivative work in a manner that reasonably allows third parties to identify the originator of the modification or derivative work.

## 5. INDEMNIFICATION

Any Recipient which Distributes any Contribution and/or Accellera Release (a “Distributor”) may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of Contributions Accellera Documentation and Accellera Releases, a Distributor shall Distribute such Contributions, Accellera Documentation and Accellera Releases in a manner which does not create potential liability for the Contributors. Therefore each Distributor hereby agrees to defend and indemnify every Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively “Losses”) arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Distributor, including but not limited to the terms and conditions under which Distributor offered such Contributions, Accellera Documentation and/or Accellera Releases in connection with its Distribution thereof. The obligations in this Section 5 do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement of any Contribution, Accellera Documentation or Accellera Release. In order to qualify, an Indemnified Contributor must: (a) promptly notify the Distributor in writing of such claim, and (b) allow the Distributor to control, and cooperate with the Distributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in the defense of any such claim at its own expense.

For example, a Recipient might include a Contribution in a commercial product offering, Product X. That Recipient is then a

Distributor. If that Distributor then makes performance claims, or offers warranties, support, or indemnity or any other license terms related to Product X, those performance claims, offers and other terms are such Distributor's responsibility alone. Under this Section 5, the Distributor would have to

defend claims against the Contributors related to those performance claims, offers, and other terms, and if a court requires any Contributor to pay any damages as a result, the Distributor must pay those damages.

## 6. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, ALL CONTRIBUTIONS, ACCELLERA DOCUMENTATION AND ACCELLERA RELEASES ARE PROVIDED EXCLUSIVELY ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EACH RECIPIENT IS SOLELY RESPONSIBLE FOR DETERMINING THE APPROPRIATENESS OF ITS USE AND DISTRIBUTION OF ANY CONTRIBUTION, ACCELLERA DOCUMENTATION AND ACCELLERA RELEASE AND ASSUMES ALL RISKS ASSOCIATED WITH ITS EXERCISE OF RIGHTS UNDER THIS AGREEMENT, INCLUDING BUT NOT LIMITED TO THE RISKS AND COSTS OF PROGRAM ERRORS, COMPLIANCE WITH APPLICABLE LAWS, DAMAGE TO OR LOSS OF DATA, PROGRAMS OR EQUIPMENT, AND UNAVAILABILITY OR INTERRUPTION OF OPERATIONS. THIS DISCLAIMER OR WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS AGREEMENT. NO USE OF ANY CONTRIBUTION, ACCELLERA DOCUMENTATION OR ACCELLERA RELEASE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

## 7. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NONE OF THE RECIPIENTS, CONTRIBUTORS OR ACCELLERA SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF ANY CONTRIBUTION, ACCELLERA DOCUMENTATION OR ACCELLERA RELEASE OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 8. U.S. GOVERNMENT USE

If Recipient is licensing any computer program on behalf of any unit or agency of the United States Government, then such computer program is commercial computer software, and, pursuant to FAR 12.212 or DFARS 227.7202 and their successors, as applicable, shall be licensed to the Government under the terms and conditions of this Agreement.

## 9. PATENT CLAIMS

If Recipient institutes patent litigation against any entity (including a cross-claim, counterclaim or declaratory judgment claim in a lawsuit) alleging that any Contribution, Accellera Release or combination of Contributions (excluding combinations of any Contribution with other software or hardware) infringes such Recipient's patent(s), then the rights granted to Recipient by each Contributor under Section 2 shall terminate as of the date such litigation is filed.

## 10. TERMINATION

All Recipient's rights under this Agreement shall terminate if Recipient fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If such occurs, Recipient shall cease all use and Distribution of

any Contributions of any other Contributor, Accellera Documentation and Accellera Releases based upon the rights granted to Recipient under this Agreement as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to any Contributions shall survive such termination.

## 11. LICENSE VERSIONS

Accellera may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. Any Contribution, Accellera Documentation or Accellera Release may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute any Contribution, Accellera Documentation or Accellera Release under the new version. No one other than Accellera, acting by a vote of at least seventy five percent (75%) of the members of its Board of Directors, has the right to modify this Agreement; provided that Exhibit B and Exhibit C may be amended as specifically set forth in Section 3.1(b), and Exhibit D may be amended as specifically set forth in Section 1.13.

## 12. ELECTRONIC ACCEPTANCE

This Agreement may be executed either electronically or on paper. If this Agreement is executed electronically, by clicking on the "Accept" button, Recipient warrants that it agrees to all of the terms of this Agreement, that Recipient is authorized to enter into this Agreement, and that this Agreement is legally binding upon Recipient. If Recipient does not agree to be bound by this Agreement, then Recipient shall click the "Decline" button and Recipient shall not receive any rights from the Contributors nor shall Recipient download any Contributions, Accellera Documentation or Accellera Releases.

## 13. GENERAL

This Agreement represents the complete agreement concerning the subject matter hereof and supersedes all prior agreements or representations, oral or written, regarding the subject matter hereof. If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable. This Agreement shall be executed in multiple counterparts (either electronically and/or on paper), each of which shall be deemed to be an original, but all of which shall be one and the same Agreement. A facsimile or other copy of the Agreement shall have the same force and effect as an originally executed copy thereof.

This Agreement is governed by the laws of California, without reference to conflict of laws principles. Each party waives its rights to a jury trial in any resulting litigation. Any litigation relating to this Agreement shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, or the Santa Clara County Superior Court. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. The provisions of this Agreement shall be construed fairly in accordance with its terms and no rules of construction for or against either party shall be applied in the interpreting this Agreement. Recipient shall not use any Contribution, Accellera Documentation or Accellera Release in violation of local and other applicable laws including, but not limited to, the export control laws of the United States.









Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright notice that applies to FILE: ./tools/mkdepend.tcl

-----

mkdepend : generate dependency information from C/C++ files

Copyright (c) 1998, Nat Pryce

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE AUTHOR BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE AUTHOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHOR SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE AUTHOR HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

=====  
Modified heavily by David Gravereaux <davygrvy@pobox.com> about 9/17/2006. Original can be found @  
<http://web.archive.org/web/20070616205924/http://www.doc.ic.ac.uk/~np2/software/mkdepend.html>

=====  
RCS: @(#) \$Id: mkdepend.tcl,v 1.6 2007/12/13 15:28:40 dgp Exp \$  
=====

Copyright notice that applies to the following FILES:

- 1) ./generic/regexec.c
- 2) ./generic/regc\_color.c
- 3) ./generic/regc\_cvec.c
- 4) ./generic/regc\_nfa.c
- 5) ./generic/regerror.c
- 6) ./generic/regguts.h
- 7) ./generic/regfronts.c
- 8) ./generic/regfree.c
- 9) ./generic/regc\_lex.c
- 10) ./generic/regcustom.h
- 11) ./generic/rege\_dfa.c
- 12) ./generic/regcomp.c

-----

Copyright (c) 1998, 1999 Henry Spencer. All rights reserved.

Development of this software was funded, in part, by Cray Research Inc., UUNET Communications Services Inc., Sun Microsystems Inc., and Scriptics Corporation, none of whom are responsible for the results. The author thanks all of them.

Redistribution and use in source and binary forms -- with or without modification -- are permitted for any purpose, provided that redistributions in source form retain this entire copyright notice and indicate the origin and nature of any modifications.

I'd appreciate being given credit for this package in the documentation of software which uses it, but that is not a requirement.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL HENRY SPENCER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For the following FILES, also include the following additional text at the end of the notice after the warranty disclaimer/limitation of liability section.

- 2) ./generic/regc\_color.c - "Note that there are some incestuous relationships between this code and NFA arc maintenance, which perhaps ought to be cleaned up sometime."
- 3) ./generic/regc\_cvec.c - "Notes: Only (selected) functions in `_this_` file should treat `chr*` as non-constant."
- 4) ./generic/regc\_nfa.c - "One or two things that technically ought to be in here are actually in `color.c`, thanks to some incestuous relationships in the color chains."
- 6) ./generic/regguts.h - "Environmental customization. It should not (I hope) be necessary to alter the file you are now reading -- `regcustom.h` should handle it all, given care here and elsewhere."
- 8) ./generic/regfree.c - "You might think that this could be incorporated into `regcomp.c`, and that would be a reasonable idea... except that this is a generic function (with a generic name), applicable to all compiled Res regardless of the size of their characters, whereas the stuff in `regcomp.c` gets compiled once per character size."
- 9) ./generic/regc\_lex.c - "scanning macros (know about `v`)"
- 10) ./generic/regcustom.h - "Headers if any."

Copyright notice that applies to FILE: `./generic/tclDate.c`

-----

A Bison parser, made by GNU Bison 2.3.

Skeleton implementation for Bison's Yacc-like parsers in C

Copyright (C) 1984, 1989, 1990, 2000, 2001, 2002, 2003, 2004, 2005, 2006  
Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work under terms of your choice, so long as that work isn't itself a parser generator using the skeleton or a modified version thereof as a parser skeleton. Alternatively, if you modify or redistribute the parser skeleton itself, you may (at your option) remove this special exception, which will cause the skeleton and the resulting Bison output files to be licensed under the GNU General Public License without this special exception. This special exception was added by the Free Software Foundation in version 2.2 of Bison.

C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

All symbols defined below should begin with `yy` or `YY`, to avoid infringing on user name space. This should be done even for local variables, as they might otherwise be expanded by user macros. There are some unavoidable exceptions within include files to define necessary library symbols; they are noted "INFRINGES ON USER NAME SPACE" below.

Identify Bison output.

Copyright notice that applies to FILE: ./unix/tclLoadAix.c

-----  
This file implements the dlopen and dlsym APIs under the AIX operating system, to enable the Tcl "load" command to work. This code was provided by Jens-Uwe Mager.

This file is subject to the following copyright notice, which is different from the notice used elsewhere in Tcl. The file has been modified to incorporate the file dlfcn.h in-line.

Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH  
Not derived from licensed software.

Permission is granted to freely use, copy, modify, and redistribute this software, provided that the author is not construed to be liable for any results of using the software, alterations are clearly marked as such, and this notice is not modified.

RCS: @(#) \$Id: tclLoadAix.c,v 1.6 2007/04/16 13:36:36 dkf Exp \$

Note: this file has been altered from the original in a few ways in order to work properly with Tcl.

@(#)dlfcn.c 1.7 revision of 95/08/14 19:08:38  
This is an unpublished work copyright (c) 1992 HELIOS Software GmbH  
30159 Hannover, Germany

Copyright notice that applies to FILE: ./compat/dlfcn.h

-----  
This file provides a replacement for the header file "dlfcn.h" on systems where dlfcn.h is missing. It's primary use is for AIX, where Tcl emulates the dl library.

This file is subject to the following copyright notice, which is different from the notice used elsewhere in Tcl but roughly equivalent in meaning.

Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH  
Not derived from licensed software.

Permission is granted to freely use, copy, modify, and redistribute this software, provided that the author is not construed to be liable for any results of using the software, alterations are clearly marked as such, and this notice is not modified.

RCS: @(#) \$Id: dlfcn.h,v 1.2 1998/09/14 18:39:44 stanton Exp \$

@(#)dlfcn.h 1.4 revision of 95/04/25 09:36:52  
This is an unpublished work copyright (c) 1992 HELIOS Software GmbH  
30159 Hannover, Germany

Copyright notice that applies to FILE: ./compat/unistd.h

-----  
Copyright 1989 Regents of the University of California

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies. The University of California makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

RCS: @(#) \$Id: unistd.h,v 1.2 1998/09/14 18:39:45 stanton Exp \$

-----  
COPYRIGHT TEXT:

/\*  
\* Copyright (c) 1996-1998 Sun Microsystems, Inc.

\*  
\* See the file "license.terms" for information on usage and redistribution  
\* of this file, and for a DISCLAIMER OF ALL WARRANTIES.  
\*

\* Portions of this code were derived from NetBSD source code which has  
\* the following copyright notice:

\* Copyright (c) 1988, 1993, 1994  
\* The Regents of the University of California. All rights reserved.

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. All advertising materials mentioning features or use of this software  
\* must display the following acknowledgement:  
\* This product includes software developed by the University of  
\* California, Berkeley and its contributors.
- \* 4. Neither the name of the University nor the names of its contributors  
\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.

\*/

-----  
COPYRIGHT TEXT:

/\*  
\* tclMacOSXBundle.c --  
\*  
\* This file implements functions that inspect CFBundle structures  
\* on MacOS X.  
\*  
\* Copyright 2001, Apple Computer, Inc.  
\*  
\* The following terms apply to all files originating from Apple  
\* Computer, Inc. ("Apple") and associated with the software  
\* unless explicitly disclaimed in individual files.  
\*  
\* Apple hereby grants permission to use, copy, modify,  
\* distribute, and license this software and its documentation  
\* for any purpose, provided that existing copyright notices are

\* retained in all copies and that this notice is included  
\* verbatim in any distributions. No written agreement, license,  
\* or royalty fee is required for any of the authorized  
\* uses. Modifications to this software may be copyrighted by  
\* their authors and need not follow the licensing terms  
\* described here, provided that the new terms are clearly  
\* indicated on the first page of each file where they apply.  
\*  
\*

\* IN NO EVENT SHALL APPLE, THE AUTHORS OR DISTRIBUTORS OF THE  
\* SOFTWARE BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL,  
\* INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF  
\* THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF,  
\* EVEN IF APPLE OR THE AUTHORS HAVE BEEN ADVISED OF THE  
\* POSSIBILITY OF SUCH DAMAGE. APPLE, THE AUTHORS AND  
\* DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING,  
\* BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS  
\* SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND APPLE, THE  
\* AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE  
\* MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.  
\*

\* GOVERNMENT USE: If you are acquiring this software on behalf  
\* of the U.S. government, the Government shall have only  
\* "Restricted Rights" in the software and related documentation  
\* as defined in the Federal Acquisition Regulations (FARs) in  
\* Clause 52.227.19 (c) (2). If you are acquiring the software  
\* on behalf of the Department of Defense, the software shall be  
\* classified as "Commercial Computer Software" and the  
\* Government shall have only "Restricted Rights" as defined in  
\* Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the  
\* foregoing, the authors grant the U.S. Government and others  
\* acting in its behalf permission to use and distribute the  
\* software in accordance with the terms specified in this  
\* license.  
\*/

-----  
COPYRIGHT TEXT:

/\*  
\* strftime.c --  
\*  
\* This file contains a modified version of the BSD 4.4 strftime  
\* function.  
\*  
\* This file is a modified version of the strftime.c file from the BSD 4.4  
\* source. See the copyright notice below for details on redistribution  
\* restrictions. The "license.terms" file does not apply to this file.  
\*  
\* Changes 2002 Copyright (c) 2002 ActiveState Corporation.  
\*  
/\*  
\* Copyright (c) 1989 The Regents of the University of California.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions

- \* are met:
- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 3. All advertising materials mentioning features or use of this software must display the following acknowledgement:
  - \* This product includes software developed by the University of California, Berkeley and its contributors.
- \* 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/  
 -----  
 COPYRIGHT TEXT:

```
/*
 * tclLoadAix.c --
 *
 * This file implements the dlopen and dlsym APIs under the
 * AIX operating system, to enable the Tcl "load" command to
 * work. This code was provided by Jens-Uwe Mager.
 *
 * This file is subject to the following copyright notice, which is
 * different from the notice used elsewhere in Tcl. The file has
 * been modified to incorporate the file dlfcn.h in-line.
 *
 * Copyright (c) 1992,1993,1995,1996, Jens-Uwe Mager, Helios Software GmbH
 * Not derived from licensed software.
 * Permission is granted to freely use, copy, modify, and redistribute
 * this software, provided that the author is not construed to be liable
 * for any results of using the software, alterations are clearly marked
 * as such, and this notice is not modified.
 *
 * Note: this file has been altered from the original in a few
 * ways in order to work properly with Tcl.
 */
 * This is an unpublished work copyright (c) 1992 HELIOS Software GmbH
 * 30159 Hannover, Germany
 */
```

-----  
 COPYRIGHT TEXT:  
 /\*  
 \* unistd.h --

\*  
\* Macros, CONSTants and prototypes for Posix conformance.  
\*  
\* Copyright 1989 Regents of the University of California  
\* Permission to use, copy, modify, and distribute this  
\* software and its documentation for any purpose and without  
\* fee is hereby granted, provided that the above copyright  
\* notice appear in all copies. The University of California  
\* makes no representations about the suitability of this  
\* software for any purpose. It is provided "as is" without  
\* express or implied warranty.  
\*

-----  
COPYRIGHT TEXT:

/\*  
\* Copyright (c) 1988 Regents of the University of California.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms are permitted  
\* provided that this notice is preserved and that due credit is given  
\* to the University of California at Berkeley. The name of the University  
\* may not be used to endorse or promote products derived from this  
\* software without specific written prior permission. This software  
\* is provided ``as is" without express or implied warranty.  
\*

tcllib version 1.11.1

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

License Terms (apply to all files associated with the software unless explicitly disclaimed in individual files)

-----  
This software is copyrighted by Ajuba Solutions and other parties.  
The following terms apply to all files associated with the software unless  
explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute,  
and license this software and its documentation for any purpose, provided  
that existing copyright notices are retained in all copies and that this  
notice is included verbatim in any distributions. No written agreement,  
license, or royalty fee is required for any of the authorized uses.  
Modifications to this software may be copyrighted by their authors  
and need not follow the licensing terms described here, provided that  
the new terms are clearly indicated on the first page of each file where  
they apply.



IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright notice that applies to FILE: ./modules/math/mvlinreg.tcl

-----

Copyright 2007 Eric Kemp-Benedict

Released under the BSD license under any terms that allow it to be compatible with tcllib

Copyright notice that apply to the following FILES:

./modules/sha1/sha256.c

./modules/sha1/sha256.h

-----

Copyright (c) 2001, 2002 Allan Saggi <allan@saggi.com>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright notice that applies to the following FILE: ./modules/md5/md5.c

-----

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

Copyright notice that applies to the following FILE: ./modules/amazon-s3/S3.tcl

-----  
Copyright (c) 2006,2008 Darren New. All Rights Reserved.

NO WARRANTIES OF ANY TYPE ARE PROVIDED.  
COPYING OR USE INDEMNIFIES THE AUTHOR IN ALL WAYS.

This software is licensed under essentially the same terms as Tcl. See license terms.

Copyright notice that applies to the following FILE: ./modules/amazon-s3/xsxp.tcl

-----  
Copyright (c) 2006 Darren New.

All Rights Reserved.

NO WARRANTIES OF ANY TYPE ARE PROVIDED.  
COPYING OR USE INDEMNIFIES THE AUTHOR IN ALL WAYS.

See the license terms.

Copyright notice that applies to the following FILE: ./modules/imap4/imap4.tcl

-----  
Copyright (C) 2004 Salvatore Sanfilippo <antirez@invece.org>.

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Copyright notice that applies to the following FILE: ./modules/md4/md4.h

-----  
Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.



DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

Copyright 1993-1997 Lucent Technologies  
Copyright 1998 Mark Harrison  
Copyright 1993-1998 Lucent Technologies Inc  
Copyright (c) 2000 Andreas Kupries. All rights reserved.  
Copyright (c) 1998 Paul Duffin.  
Copyright 1993-1994 Lockheed Missile & Space Co AI Center  
Copyright 2000 Ajuba Solutions Contributions from Don Porter NIST  
Copyright (c) 1993-94 Lockheed Missile & Space Company  
Copyright 1992 HELIOS Software GmbH  
Copyright (c) 1995-1997 Roger E. Critchlow Jr  
Copyright (c) 1999-2000 Andreas Kupries (a.kupries@westend.com)  
Copyright 1982-1983, 1986, 1988-1989 Regents of the University of California  
Copyright 1993-1997 Bell Labs Innovations for Lucent Technologies  
copyright as the man pages. Sep 14 1996  
Copyright 1998-1999 Henry Spencer  
Copyright 1993-2000 Sun Microsystems Inc  
Copyright (c) 1998 Sun Microsystems Inc. puts  
Copyright (C) 1999 America Online Inc.  
Copyright 1995, 2001 Apple Computer Inc  
Copyright 2001-2002 Donal K. Fellows  
Copyright (c) 1998-2000 Ajuba Solutions. Contributions from Don Porter NIST  
Copyright 1998-2000 Scriptics Corp. Contributions from Don Porter NIST  
Copyright 2001-2002 David Gravereaux  
Copyright 1992-1993, 1995-1996 Jens-Uwe Mager Helios Software GmbH Not derived from  
Copyright 1997-2000 Ajuba Solutions  
Copyright 1992 Free Software Foundation Inc  
Copyright 2001-2003 Kevin B. Kenny  
Copyright 2000 Ajuba Solutions HLP  
2001 Tcl Core Team  
Copyright 2001-2002 Vincent Darley  
Copyright (c) 1996 Lucent Technologies and Jim Ingham  
Copyright (c) 1995 Dave Nebinger.

Copyright 1998-2000 Scriptics Corp  
Copyright 1998 Scriptics Corp  
Copyright 1987-1994 The Regents of the University of California  
Copyright 1995 General Electric Co  
Copyright 2001-2002, 2004 ActiveState Corp  
Copyright (c) 2001 ActiveState Tool Corp.

tdom-tdom version 0.8.2

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>

The text of the Mozilla Public License, Version 1.1, a copy of which is made available below in this document, was originally presented here, or as applicable, applies to the above-listed file(s).

- Copyright (C) 1998, 1999 Jochen C. Loewer (loewerj@hotmail.com)
- Copyright 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
- Copyright 1998 D. Richard Hipp
- Copyright 1999, 2001 Jochen Loewer (loewerj@hotmail.com)
- 2000-2002 Metrowerks Corporation. All rights reserved.
- Copyright 1998-2000 Ajuba Solutions
- Copyright 1999-2000 Jochen C. Loewer (loewerj@hotmail.com)
- Copyright 2001-2006 Expat maintainers
- Copyright 1990-1994 The Regents of the University of California
- Copyright 1998-2000 Zveno Pty Ltd
- Copyright 2002 ActiveState SRL
- Copyright 1998-2001 Jochen Loewer
- Copyright 1998-2000 Thai Open Source Software Center Ltd
- Copyright (c) 1999 - 2000 Jochen C. Loewer (loewerj@hotmail.com) -----  
-----
- Copyright (c) 1999 2000 Jochen Loewer (loewerj@hotmail.com) et al. -----  
-----
- Copyright 2002-2005, 2007 Rolf Ade (rolf@pointsman.de)
- Copyright 2001-2002 David Gravereaux
- Copyright (c) 1999 Jochen C. Loewer (loewerj@hotmail.com) -----  
-
- Copyright (c) 1998 Steve Ball Zveno Pty Ltd
- Copyright 1993 Paul Raines (raines@bohr.physics.upenn.edu)
- Copyright 2000-2002 Zoran Vasiljevic
- Copyright 1999-2001 Jochen Loewer (loewerj@hotmail.com) -----  
Copyright 2003 Pat Thoyts
- Copyright (C) 1998-1999 Netscape
- Copyright 2005 Pat Thoyts <patthoyts@users.sourceforge.net>
- Copyright 1999-2007 Rolf Ade
- Copyright 1999-2001 Jochen Loewer (loewerj@hotmail.com) -----  
-









header files in common, and special provision has been made to support booting of Linux images.

Some attention has been paid to make this software easily configurable and extendable. For instance, all monitor commands are implemented with the same call interface, so that it's very easy to add new commands. Also, instead of permanently adding rarely used code (for instance hardware test utilities) to the monitor, you can load and run it dynamically.

Status:  
=====

In general, all boards for which a configuration option exists in the Makefile have been tested to some extent and can be considered "working". In fact, many of them are used in production systems.

In case of problems see the CHANGELOG and CREDITS files to find out who contributed the specific port. The MAINTAINERS file lists board maintainers.

Where to get help:  
=====

In case you have questions about, problems with or contributions for U-Boot you should send a message to the U-Boot mailing list at <u-boot@lists.denx.de>. There is also an archive of previous traffic on the mailing list - please search the archive before asking FAQ's. Please see <http://lists.denx.de/pipermail/u-boot> and <http://dir.gmane.org/gmane.comp.boot-loaders.u-boot>

Where to get source code:  
=====

The U-Boot source code is maintained in the git repository at [git://www.denx.de/git/u-boot.git](http://www.denx.de/git/u-boot.git) ; you can browse it online at <http://www.denx.de/cgi-bin/gitweb.cgi?p=u-boot.git;a=summary>

The "snapshot" links on this page allow you to download tarballs of any version you might be interested in. Official releases are also available for FTP download from the <ftp://ftp.denx.de/pub/u-boot/> directory.

Pre-built (and tested) images are available from <ftp://ftp.denx.de/pub/u-boot/images/>

////////////////////////////////////

COPYRIGHT TEXT:

- \* Copyright (C) 1991-2004 SciTech Software, Inc.
- \* Copyright (C) David Mosberger-Tang
- \* Copyright (C) 1999 Egbert Eich
- \*

\* =====

- \* Permission to use, copy, modify, distribute, and sell this software and

- \* its documentation for any purpose is hereby granted without fee,
- \* provided that the above copyright notice appear in all copies and that
- \* both that copyright notice and this permission notice appear in
- \* supporting documentation, and that the name of the authors not be used
- \* in advertising or publicity pertaining to distribution of the software
- \* without specific, written prior permission. The authors makes no
- \* representations about the suitability of this software for any purpose.
- \* It is provided "as is" without express or implied warranty.
- \*
- \* THE AUTHORS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
- \* INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
- \* EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR
- \* CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF
- \* USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
- \* OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
- \* PERFORMANCE OF THIS SOFTWARE.

COPYRIGHT TEXT:

- \* Copyright 2001-2005, Intel Corporation.
- \* All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of the Intel Corporation nor the names of its contributors
- \* may be used to endorse or promote products derived from this software
- \* without specific prior written permission.
- \*
- \* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS"
- \* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
- \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- \* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE
- \* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
- \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
- \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
- \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
- \* SUCH DAMAGE.

COPYRIGHT TEXT:

- Copyright (C) 1996-2002 Julian R Seward. All rights reserved.  
 Redistribution and use in source and binary forms, with or without  
 modification, are permitted provided that the following conditions  
 are met:
1. Redistributions of source code must retain the above copyright  
 notice, this list of conditions and the following disclaimer.
  2. The origin of this software must not be misrepresented; you must  
 not claim that you wrote the original software. If you use this  
 software in a product, an acknowledgment in the product  
 documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0 of 21 March 2000

This program is based on (at least) the work of:

Mike Burrows

David Wheeler

Peter Fenwick

Alistair Moffat

Radford Neal

Ian H. Witten

Robert Sedgewick

Jon L. Bentley

For more information on these sources, see the manual.

--\*/

#### COPYRIGHT TEXT:

/\*

\* DNS support driver

\*

\* Copyright (c) 2008 Pieter Voorthuijsen <pieter.voorthuijsen@prodrive.nl>

\* Copyright (c) 2009 Robin Getz <rgetz@blackfin.uclinux.org>

\*

\* This is a simple DNS implementation for U-Boot. It will use the first IP  
\* in the DNS response as NetServerIP. This can then be used for any other  
\* network related activities.

\*

\* The packet handling is partly based on TADNS, original copyrights  
\* follow below.

\*

\*/

/\*

\* Copyright (c) 2004-2005 Sergey Lyubka <valenok@gmail.com>

\*

\* "THE BEER-WARE LICENSE" (Revision 42):

\* Sergey Lyubka wrote this file. As long as you retain this notice you

\* can do whatever you want with this stuff. If we meet some day, and you think

\* this stuff is worth it, you can buy me a beer in return.

\*/

#### COPYRIGHT TEXT:

/\*

\* Copyright (c) 1993 Herb Peyerl (hpeyerl@novatel.ca) All rights reserved.

/\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions are  
\* met: 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer. 2. The name  
\* of the author may not be used to endorse or promote products derived from  
\* this software without specific prior written permission

/\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO  
\* EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED  
\* TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR  
\* PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF  
\* LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING  
\* NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS  
\* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

COPYRIGHT TEXT:

\* Copyright (C) 2007 Freescale Semiconductor, Inc.

\* Jason Jin <Jason.jin@freescale.com>

/\*

Copyright (C) 1996-1999 SciTech Software, Inc.

/\*

=====

/\*

\* Permission to use, copy, modify, distribute, and sell this software and  
\* its documentation for any purpose is hereby granted without fee,  
\* provided that the above copyright notice appear in all copies and that  
\* both that copyright notice and this permission notice appear in  
\* supporting documentation, and that the name of the authors not be used  
\* in advertising or publicity pertaining to distribution of the software  
\* without specific, written prior permission. The authors makes no  
\* representations about the suitability of this software for any purpose.  
\* It is provided "as is" without express or implied warranty.

/\*

\* THE AUTHORS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,  
\* INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO  
\* EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR  
\* CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF  
\* USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR  
\* OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR  
\* PERFORMANCE OF THIS SOFTWARE.

COPYRIGHT TEXT:

\* Copyright (C) 1996-1999 SciTech Software, Inc.

/\*

=====

/\*

\* Permission to use, copy, modify, distribute, and sell this software and  
\* its documentation for any purpose is hereby granted without fee,  
\* provided that the above copyright notice appear in all copies and that  
\* both that copyright notice and this permission notice appear in

- \* supporting documentation, and that the name of the authors not be used
- \* in advertising or publicity pertaining to distribution of the software
- \* without specific, written prior permission. The authors makes no
- \* representations about the suitability of this software for any purpose.
- \* It is provided "as is" without express or implied warranty.
- \*
- \* **THE AUTHORS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,**
- \* **INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO**
- \* **EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR**
- \* **CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF**
- \* **USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR**
- \* **OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR**
- \* **PERFORMANCE OF THIS SOFTWARE.**

**COPYRIGHT TEXT:**

- \* Copyright (c) 1995, 1996, 2001, 2002
- \* Erik Theisen. All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products
- \* derived from this software without specific prior written permission
- \*
- \* **THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR**
- \* **IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES**
- \* **OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.**
- \* **IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,**
- \* **INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT**
- \* **NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,**
- \* **DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY**
- \* **THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT**
- \* **(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF**
- \* **THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.**

**COPYRIGHT TEXT:**

Copyright Motorola, Inc. 1993, 1994  
**ALL RIGHTS RESERVED**  
 You are hereby granted a copyright license to use, modify, and  
 distribute the SOFTWARE so long as this entire notice is retained  
 without alteration in any modified and/or redistributed versions,  
 and that such modified versions are clearly identified as such.  
 No licenses are granted by implication, estoppel or otherwise under  
 any patents or trademarks of Motorola, Inc.  
 The SOFTWARE is provided on an "AS IS" basis and without warranty.  
 To the maximum extent permitted by applicable law, MOTOROLA DISCLAIMS  
**ALL WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED**  
**WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR**  
**PURPOSE AND ANY WARRANTY AGAINST INFRINGEMENT WITH**  
**REGARD TO THE SOFTWARE (INCLUDING ANY MODIFIED VERSIONS**  
**THEREOF) AND ANY ACCOMPANYING WRITTEN MATERIALS.**

To the maximum extent permitted by applicable law, IN NO EVENT SHALL MOTOROLA BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER PECUNIARY LOSS) ARISING OF THE USE OR INABILITY TO USE THE SOFTWARE. Motorola assumes no responsibility for the maintenance and support of the SOFTWARE.

COPYRIGHT TEXT:

- \* Copyright (C) 2007 Gerald Van Baren, Custom IDEAS, vanbaren@cideas.com
- \* Original version written by David Gibson, IBM Corporation.
- \*
- \* This library is free software; you can redistribute it and/or
- \* modify it under the terms of the GNU Lesser General Public License
- \* as published by the Free Software Foundation; either version 2.1 of
- \* the License, or (at your option) any later version.
- \*
- \* This library is distributed in the hope that it will be useful, but
- \* WITHOUT ANY WARRANTY; without even the implied warranty of
- \* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
- \* Lesser General Public License for more details.
- \*
- \* You should have received a copy of the GNU Lesser General Public
- \* License along with this library; if not, write to the Free Software
- \* Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

COPYRIGHT TEXT:

- \* Copyright (C) 2003-2006 Christophe Devine
- \*
- \* This library is free software; you can redistribute it and/or
- \* modify it under the terms of the GNU Lesser General Public
- \* License, version 2.1 as published by the Free Software Foundation.
- \*
- \* This library is distributed in the hope that it will be useful,
- \* but WITHOUT ANY WARRANTY; without even the implied warranty of
- \* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
- \* Lesser General Public License for more details.
- \*
- \* You should have received a copy of the GNU Lesser General Public
- \* License along with this library; if not, write to the Free Software
- \* Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
- \* MA 02110-1301 USA

COPYRIGHT TEXT:

- /\*
- \* Copyright (C) 2002 ETC s.r.o.
- \* All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.

- \* 3. Neither the name of the ETC s.r.o. nor the names of its contributors
- \* may be used to endorse or promote products derived from this software
- \* without specific prior written permission.
- \*
- \* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
- \* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
- \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- \* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE
- \* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
- \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
- \* SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
- \* CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
- \* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
- \* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### COPYRIGHT TEXT:

- \* Copyright (c) 2001 William L. Pitts
- \* All rights reserved.
- \*
- \* Redistribution and use in source and binary forms are freely
- \* permitted provided that the above copyright notice and this
- \* paragraph and the following disclaimer are duplicated in all
- \* such forms.
- \*
- \* This software is provided "AS IS" and without any express or
- \* implied warranties, including, without limitation, the implied
- \* warranties of merchantability and fitness for a particular
- \* purpose.

#### COPYRIGHT TEXT:

Copyright (C) 1996-2002 Julian R Seward. All rights reserved.  
 Redistribution and use in source and binary forms, with or without  
 modification, are permitted provided that the following conditions  
 are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0 of 21 March 2000

This program is based on (at least) the work of:

Mike Burrows

David Wheeler

Peter Fenwick

Alistair Moffat

Radford Neal

Ian H. Witten

Robert Sedgewick

Jon L. Bentley

For more information on these sources, see the manual.

#### COPYRIGHT TEXT:

\* Copyright (c) 1992, 1993

\* The Regents of the University of California. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without

\* modification, are permitted provided that the following conditions

\* are met:

\* 1. Redistributions of source code must retain the above copyright

\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright

\* notice, this list of conditions and the following disclaimer in the

\* documentation and/or other materials provided with the distribution.

\* 3. Neither the name of the University nor the names of its contributors

\* may be used to endorse or promote products derived from this software

\* without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND

\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

\* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE

\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

\* SUCH DAMAGE.

#### COPYRIGHT TEXT:

\* Copyright (C) 2007 Freescale Semiconductor, Inc.

\* Jason Jin <Jason.jin@freescale.com>

\*

\* Copyright (C) 1991-2004 SciTech Software, Inc.

\* Copyright (C) David Mosberger-Tang

\* Copyright (C) 1999 Egbert Eich

\*

\* =====

\*

\* Permission to use, copy, modify, distribute, and sell this software and

\* its documentation for any purpose is hereby granted without fee,

\* provided that the above copyright notice appear in all copies and that

\* both that copyright notice and this permission notice appear in



- \* supporting documentation, and that the name of the authors not be used
- \* in advertising or publicity pertaining to distribution of the software
- \* without specific, written prior permission. The authors makes no
- \* representations about the suitability of this software for any purpose.
- \* It is provided "as is" without express or implied warranty.
- \*
- \* THE AUTHORS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
- \* INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
- \* EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR
- \* CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF
- \* USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
- \* OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
- \* PERFORMANCE OF THIS SOFTWARE.

COPYRIGHT TEXT:

- \* Copyright (C) 2003-2006 Christophe Devine
- \*
- \* This library is free software; you can redistribute it and/or
- \* modify it under the terms of the GNU Lesser General Public
- \* License, version 2.1 as published by the Free Software Foundation.
- \*
- \* This library is distributed in the hope that it will be useful,
- \* but WITHOUT ANY WARRANTY; without even the implied warranty of
- \* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
- \* Lesser General Public License for more details.
- \*
- \* You should have received a copy of the GNU Lesser General Public
- \* License along with this library; if not, write to the Free Software
- \* Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
- \* MA 02110-1301 USA

COPYRIGHT TEXT:

- \* Copyright (C) 2002-2007 Aleph One Ltd.
- \* for Toby Churchill Ltd and Brightstar Engineering
- \*
- \* Created by Charles Manning <charles@aleph1.co.uk>
- \*
- \* This program is free software; you can redistribute it and/or modify
- \* it under the terms of the GNU Lesser General Public License version 2.1 as
- \* published by the Free Software Foundation.
- \*
- \* Note: Only YAFFS headers are LGPL, YAFFS C code is covered by GPL.

COPYRIGHT TEXT:

- /\*
- \* Copyright 2009 Extreme Engineering Solutions, Inc.
- \*
- \* This program is free software; you can redistribute it and/or
- \* modify it under the terms of the GNU Library General Public
- \* License as published by the Free Software Foundation; either
- \* version 2 of the License, or (at your option) any later version.
- \*
- \* This library is distributed in the hope that it will be useful,
- \* but WITHOUT ANY WARRANTY; without even the implied warranty of
- \* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
- \* Library General Public License for more details.





Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.
2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. Additional documentation is not needed for executables where a command line license option provides these and a note regarding this option is in the executable's startup banner. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.
3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP--must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.
4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.



- \*
  - \* The above copyright notice and this permission notice shall be included in
  - \* all copies or substantial portions of the Software.
- \*
  - \* Use of the Software is limited solely to applications:
    - \* (a) running on a Xilinx device, or
    - \* (b) that interact with a Xilinx device through a bus or interconnect.
- \*
  - \* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
  - \* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
  - \* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
  - \* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
  - \* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
  - \* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
  - \* SOFTWARE.
- \*
  - \* Except as contained in this notice, the name of the Xilinx shall not be used
  - \* in advertising or otherwise to promote the sale, use or other dealings in
  - \* this Software without prior written authorization from Xilinx.

Copyright 2008-2014, 2017 Xilinx Inc

/\*\*\*\*\*

- \*
  - \* Copyright (C) 2016 Xilinx, Inc. All rights reserved.
- \*
  - \* Permission is hereby granted, free of charge, to any person obtaining a copy
  - \* of this software and associated documentation files (the "Software"), to deal
  - \* in the Software without restriction, including without limitation the rights
  - \* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
  - \* copies of the Software, and to permit persons to whom the Software is
  - \* furnished to do so, subject to the following conditions:
- \*
  - \* The above copyright notice and this permission notice shall be included in
  - \* all copies or substantial portions of the Software.
- \*
  - \* Use of the Software is limited solely to applications:
    - \* (a) running on a Xilinx device, or
    - \* (b) that interact with a Xilinx device through a bus or interconnect.
- \*
  - \* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
  - \* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
  - \* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
  - \* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
  - \* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF
  - \* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
  - \* SOFTWARE.
- \*
  - \* Except as contained in this notice, the name of the Xilinx shall not be used
  - \* in advertising or otherwise to promote the sale, use or other dealings in
  - \* this Software without prior written authorization from Xilinx.



\* Permission is hereby granted, free of charge, to any person obtaining a copy  
\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:

\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.

\* Use of the Software is limited solely to applications:  
\* (a) running on a Xilinx device, or  
\* (b) that interact with a Xilinx device through a bus or interconnect.

\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
\* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,  
\* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF  
\* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
\* SOFTWARE.

\* Except as contained in this notice, the name of the Xilinx shall not be used  
\* in advertising or otherwise to promote the sale, use or other dealings in  
\* this Software without prior written authorization from Xilinx.

Copyright 2008-2017 Xilinx Inc  
Copyright 2017 Xilinx Inc.

v\_mix\_xilinx\_driver version 3

<<<<<<<<<<xilinx-separator>>>>>>>>>>>>

\* Copyright (C) 2017 Xilinx, Inc. All rights reserved.

\* Permission is hereby granted, free of charge, to any person obtaining a copy  
\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:

\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.

\* Use of the Software is limited solely to applications:  
\* (a) running on a Xilinx device, or  
\* (b) that interact with a Xilinx device through a bus or interconnect.







software for a total of ninety (90) days. During this time you may purchase a commercial license to continue using the software past the ninety (90) day trial period. After the expiration of the trial period, without conversion, the trial software will stop running.

..Sections 1–4, 11–16, 19, 23 and Limited Warranty do not apply. The remaining sections below apply.

..DISCLAIMER OF WARRANTY. THE SOFTWARE IS LICENSED “AS-IS.” YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS UNDER YOUR LOCAL LAWS WHICH THIS AGREEMENT CANNOT CHANGE. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR

PURPOSE AND NON-INFRINGEMENT.

..Because this software is “as is,” we may not provide support services for it.

..LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to

..anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and

..claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

When you acquire the retail license of the software named above, all of the license terms below apply.

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW FOR EACH LICENSE YOU ACQUIRE.

## 1. OVERVIEW.

- a. Software. The software includes development tools, software programs and documentation.
- b. License Model. The software is licensed on a per user basis.

## 2. INSTALLATION AND USE RIGHTS.

- a. General. One user may install and use copies of the software to design, develop, test and demonstrate your programs. You may not use the software on a server in a production environment.
- b. Product Keys. The software requires a key to install or access it. You are responsible for the

use of keys assigned to you. You should not share the keys with third parties.

### 3. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. Separation of Components. The components of the software are licensed as a single unit. You may not separate the components and install them on different devices except as otherwise stated in this agreement.

b. Utilities. The software contains certain components that are identified in the Utilities List located at [go.microsoft.com/fwlink/?LinkId=247624](http://go.microsoft.com/fwlink/?LinkId=247624). Depending on the specific edition of the software, the number of Utility files you receive with the software may not be equal to the number of Utilities listed in the Utilities List. You may copy and install the Utilities you receive with the software on to other third party machines. These Utilities may only be used to debug

and deploy your programs and databases you have developed with the software. You must delete all the Utilities installed onto a third party machine within the earlier of (i) when you have finished debugging or deploying your programs; or (ii) thirty (30) days after installation of the Utilities onto that machine.

c. Build Server. The software contains certain components that are identified in the Build Server List located at [go.microsoft.com/fwlink/?LinkId=247624](http://go.microsoft.com/fwlink/?LinkId=247624). You may install copies of the files listed in it, onto your build machines, solely for the purpose of compiling, building, verifying and archiving your programs.

d. Font Components. While the software is running, you may use its fonts to display and print content. You may only

..embed fonts in content as permitted by the embedding restrictions in the fonts; and

..temporarily download them to a printer or other output device to help print content.

e. Bing Maps. The software may include features that retrieve content such as maps, images and other data through the Bing Maps (or successor branded) application programming interface (the "Bing Maps API") to create reports displaying data on top of maps, aerial and hybrid imagery. If these features are included, you may use these features to create and view dynamic or static documents only in conjunction with and through methods and means of access integrated in the software. You may not otherwise copy, store, archive, or create a database of the content available through the Bing Maps API. You may not use the Bing Maps API to provide sensor based guidance/routing, nor use any Road Traffic Data or Bird's Eye Imagery (or associated metadata) even if available through the Bing Maps API for any purpose. Your use of the Bing Maps API and associated content is also subject to the additional terms and conditions at [go.microsoft.com/fwlink/?LinkId=21969](http://go.microsoft.com/fwlink/?LinkId=21969).

f. Included Microsoft Programs. These license terms apply to all Microsoft programs included with the software, except as otherwise noted in this agreement.

g. Third Party Programs and Notices. The software includes third party code. The PreEmptive Solutions, LLC., Dotfuscator and Analytics products are licensed to you under their own license terms and not by Microsoft. Other third party code included in the software is licensed to you by Microsoft under this license agreement, rather than licensed to you by any third party under some other license terms. Notices, if any, for this third party code are included with the software and may also be found in the ThirdPartyNotices.txt file.

4. DISTRIBUTABLE CODE. The software contains code that you are permitted to distribute in

programs you develop if you comply with the terms below.

a. Right to Use and Distribute. The code and text files listed below are “Distributable Code.”

..REDIST.TXT Files. You may copy and distribute the object code form of code listed on the REDIST list located at [go.microsoft.com/fwlink/?LinkId=247624](http://go.microsoft.com/fwlink/?LinkId=247624).

..Sample Code. You may modify, copy, and distribute the source and object code form of code marked as “sample.”

..Icons. You may copy and distribute the icons in the Image Library as described in the software documentation.

..Image Library. You may copy and distribute images and animations in the Image Library as described in the software documentation. You may also modify that content. If you modify the content, it must be for use that is consistent with the permitted use of the unmodified content.

..Blend Site Templates for Visual Studio 2012. The software contains code marked as “site templates” that you are permitted to use along with your content. You may copy, modify, deploy and distribute the source and object code form of these site templates.

..Blend Fonts for Visual Studio 2012. You may distribute unmodified copies of the Buxton Sketch font, SketchFlow Print font and SegoeMarker font.

..Blend Styles for Visual Studio 2012. You may copy, modify and distribute the object code form of code identified as “Sketch” or “Simple” Styles.

..Silverlight 5 SDK Libraries. You may copy and distribute the object code form of code marked as “Silverlight Libraries”, “Client Libraries” and “Server Libraries.”

..ASP.NET MVC and Web Tooling Extensions .js Files. You may modify, copy and distribute or deploy any .js files contained in the ASP.NET Model View Controller or in the Web Tooling Extensions as part of your ASP.NET programs.

..Third Party Distribution. You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

b. Distribution Requirements. For any Distributable Code you distribute, you must:

..add significant primary functionality to it in your programs;

..for any Distributable Code having a filename extension of .lib, distribute only the results of running such Distributable Code through a linker with your program;

..distribute Distributable Code included in a setup program only as part of that setup program without modification;

..require distributors and external end users to agree to terms that protect it at least as much as this agreement;

..display your valid copyright notice on your programs; and

..indemnify, defend, and hold harmless Microsoft from any claims, including attorneys’ fees,

related to the distribution or use of your programs.

c. Distribution Restrictions. You may not:

..alter any copyright, trademark or patent notice in the Distributable Code;

..use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;

..distribute Distributable Code to run on a platform other than Microsoft operating systems, run-time technologies or application platforms;

..include Distributable Code in malicious, deceptive or unlawful programs; or

..modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that

o the code be disclosed or distributed in source code form; or

o others have the right to modify it.

d. Windows Library for JavaScript. The software includes the Windows Library for JavaScript. In addition to the other provisions of this section, "Distributable Code", the following also applies to your programs that work in conjunction with the Windows Library for JavaScript. The Windows Library for JavaScript files help your programs implement the Windows design template and UI look and feel. You may copy and use these files, without modification, in your programs that you develop for your internal use or in programs that you develop and distribute to third parties. Distribution of your programs containing the Windows Library for JavaScript files is limited solely to the Windows Store. You understand and agree such distribution of your programs is subject to the Windows Store developer terms and terms of use.

5. INTERNET-BASED SERVICES. Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

a. Consent for Internet-Based Services. The software features described below and in the Visual Studio 2012 Privacy Statement connect to Microsoft or service provider computer systems over the Internet. In some cases, you will not receive a separate notice when they connect. You may switch off these features or not use them. For more information about these features, see [go.microsoft.com/fwlink/?LinkId=248251](http://go.microsoft.com/fwlink/?LinkId=248251). **BY USING THESE FEATURES, YOU CONSENT TO THE TRANSMISSION OF THIS INFORMATION.** Microsoft does not use the information to identify or contact you.

Computer Information. The following features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software. Microsoft uses this information to make the Internet-based services available to you.

..Microsoft Digital Rights Management for Silverlight. If you use the software to access content that has been protected with Microsoft Digital Rights Management (DRM), then, in order to let you play the content, the Silverlight software may automatically request media usage rights from a rights server on the Internet and download and install available DRM Updates. For more information, see [go.microsoft.com/fwlink/?LinkId=217109](http://go.microsoft.com/fwlink/?LinkId=217109).

..Customer Experience Improvement Program. This software uses the Customer Experience Improvement Program (“CEIP”). CEIP automatically sends Microsoft information identifying the installed Microsoft product, the operating system of the device, the CPU architecture of the operating system and data regarding the success or failure of the installation of the software. Microsoft does not use this information to identify or contact you. CEIP helps Microsoft collect information about problems that you have while using the software. To learn more about CEIP, see [go.microsoft.com/fwlink/?LinkId=248251](http://go.microsoft.com/fwlink/?LinkId=248251).

..Digital Certificates. The software uses digital certificates. These digital certificates confirm the identity of Internet users sending X.509 standard encrypted information. They also can be

used to digitally sign files and macros to verify the integrity and origin of the file contents. The software retrieves certificates and updates certificate revocation lists using the Internet, when available.

..Extension Manager and New Project Dialog. Extension Manager and New Project Dialog can retrieve other software through the Internet from Visual Studio Gallery and MSDN Samples websites. To provide this other software, the Extension Manager and New Project Dialog send to Microsoft the name and version of the software you are using and language code of the device where you installed the software. In addition, Extension Manager contains an automatic update feature that is on by default. For more information about this feature, including instructions for turning it off, see [go.microsoft.com/fwlink/?LinkId=248251](http://go.microsoft.com/fwlink/?LinkId=248251). You may turn off this automatic update feature while the software is running (“opt out”). Unless you expressly opt out of this feature, this feature will (a) connect to Microsoft or service provider computer systems over the Internet, (b) use Internet protocols to send to the appropriate systems standard computer information, such as your computer’s Internet protocol address, operating system, the name and version of the software you are using and language code of the device where you installed the software, and (c) prompt you to download and/or install, current updates to Visual Studio or other third party software. In some cases, you will not receive a separate notice before this feature takes effect. By installing the software, you consent to the transmission of standard computer information.

..Really Simple Syndication (“RSS”) Feed. This software start page contains updated content that is supplied by means of an RSS feed online from Microsoft.

..Web Content Features. Features in the software can retrieve related content from Microsoft and provide it to you. To provide the content, these features send to Microsoft the type of operating system, name and version of the software you are using, type of browser and language code of the device where you installed the software. Examples of these features are clip art, templates, online training, online assistance, help and Appshelp. You may choose not to use these web content features.

..Package Manager Features. For more information about these features, see the privacy statement available at [go.microsoft.com/fwlink/?LinkId=205205](http://go.microsoft.com/fwlink/?LinkId=205205). With respect to these package manager features, we or the third party service provider may use the computer information obtained through your use of these features, to improve our or their software and services. We or they may also share it with others, such as hardware and software vendors. They may use the information to improve how their products run with Microsoft software.

o Open Data Protocol (OData) Service. The Microsoft NuGet-Based Package Manager and the package manager feature of Microsoft ASP.NET Web Pages will access a list of packages that is supplied by means of an OData service online from Microsoft or a

third-party service provider, located at [go.microsoft.com/fwlink/?LinkID=206669](https://go.microsoft.com/fwlink/?LinkID=206669). You may change the feed URL that the package manager feature initially points to at any time at your discretion.

b. Use of Information. We may use the computer information, and CEIP information, to improve our software and services. We may also share it with others, such as hardware and software vendors. They may use the information to improve how their products run with Microsoft software.

c. Misuse of Internet-based Services. You may not use these services in any way that could

harm them or impair anyone else's use of them. You may not use the services to try to gain unauthorized access to any service, data, account or network by any means.

6. MICROSOFT .NET FRAMEWORK BENCHMARK TESTING. The software includes one or more components of the .NET Framework (".NET Components"). You may conduct internal benchmark testing of those components. You may disclose the results of any benchmark test of those components, provided that you comply with the conditions set forth at [go.microsoft.com/fwlink/?LinkID=66406](https://go.microsoft.com/fwlink/?LinkID=66406). Notwithstanding any other agreement you may have with Microsoft, if you disclose such benchmark test results, Microsoft shall have the right to disclose the results of benchmark tests it conducts of your products that compete with the applicable .NET Component, provided it complies with the same conditions set forth at [go.microsoft.com/fwlink/?LinkID=66406](https://go.microsoft.com/fwlink/?LinkID=66406).

7. OTHER WINDOWS COMPONENTS. The software contains Microsoft .NET Framework software; certain .dll's related to Microsoft Build technologies; Microsoft Internet Information Services (IIS) Express; and Windows Library for JavaScript components. These software components are part of Windows. The license terms for Windows apply to your use of these Windows components.

8. SQL SERVER SOFTWARE and WINDOWS SOFTWARE DEVELOPMENT KIT (WINDOWS SDK). The software is also accompanied by Microsoft SQL Server Software and Windows SDK which are licensed to you under their own terms. The license terms for the SQL Server Software and Windows SDK are located in the "Licenses" folder of the software installation directory. If you do not agree to the components' license terms, you may not use them.

9. PACKAGE MANAGER AND THIRD PARTY SOFTWARE INSTALLATION FEATURES. The software includes the following features (each a "Feature"), each of which enables you to obtain software applications or packages through the Internet from other sources: Extension Manager, New Project Dialog, Web Platform Installer, Microsoft NuGet-Based Package Manager, and the package manager feature of Microsoft ASP.NET Web Pages. Those software applications and packages are offered and distributed in some cases by third parties and in some cases by Microsoft, but each such application or package is under its own license terms. Microsoft is not developing, distributing or licensing any of the third-party applications or packages to you, but instead, as a convenience, enables you to use the Features to access or obtain those applications or packages directly from the third-party application or package providers. By using the Features, you acknowledge and agree that:

..you are obtaining the applications or packages from such third parties and under separate license terms applicable to each application or package (including, with respect to the package-manager Features, any terms applicable to software dependencies that may be included in the package);

..that it is your responsibility to locate, understand and comply with all applicable license terms for each such application or package; and



..with respect to the package-manager Features, this includes your responsibility to follow the package source (feed) URL or by reviewing the packages for embedded notices or license terms.

MICROSOFT MAKES NO REPRESENTATIONS, WARRANTIES OR GUARANTEES AS TO THE FEED OR GALLERY URL, ANY FEEDS OR GALLERIES FROM SUCH URL, THE INFORMATION CONTAINED THEREIN, OR ANY SOFTWARE APPLICATIONS OR PACKAGES REFERENCED IN OR ACCESSED BY YOU THROUGH SUCH FEEDS OR GALLERIES. MICROSOFT GRANTS YOU NO LICENSE RIGHTS FOR THIRD-PARTY SOFTWARE APPLICATIONS OR PACKAGES THAT ARE OBTAINED USING THE FEATURES.

10. SCOPE OF LICENSE. The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. For more information, see [www.microsoft.com/licensing/userights](http://www.microsoft.com/licensing/userights). You may not

..disclose the results of any benchmark tests of the software to any third party without Microsoft's prior written approval, however, this does not apply to the Microsoft .NET Framework (see Section 6);

..work around any technical limitations in the software;

..reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;

..remove, minimize, block or modify any logos, trademarks, copyright, digital watermarks, or other notices of Microsoft or its suppliers that are included in the software, including any content made available to you through the software;

..share or otherwise distribute documents, text or images created using the software Data Mapping Services features;

..make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;

..publish the software, including any application programming interfaces included in the software, for others to copy;

..use the software in any way that is against the law;

..rent, lease or lend the software; or

..use the software for commercial software hosting services.

## 11. BACKUP COPY.

a. Media. If you acquired the software on a disc or other media, you may make one backup copy of the media. You may use it only to reinstall the software on your devices.

b. Electronic Download. If you acquired and downloaded the software online, you may make one copy of the software on a disc or other media in order to install the software on your devices. You may also use it to reinstall the software on your devices.

12. DOCUMENTATION. Any person that has valid access to your computer or internal network may

copy and use the documentation for your internal, reference purposes.

13. **NOT FOR RESALE SOFTWARE.** You may not sell software marked as “NFR” or “Not for Resale.”

14. **DOWNGRADE.** You may install and use this version and an earlier version of the software at the same time. This agreement applies to your use of the earlier version. If the earlier version includes different components, any terms for those components in the agreement that comes with the earlier version apply to your use of them. Microsoft is not obligated to supply earlier versions to you.

15. **PROOF OF LICENSE.** If you acquired the software on a disc or other media, your proof of license is the genuine Microsoft certificate of authenticity label with the accompanying genuine product key and your proof of purchase. If you purchased and downloaded the software online, your proof of license is the genuine Microsoft product key for the software which you received with your purchase and your proof of purchase from an authorized electronic supplier of genuine Microsoft software. Proof of purchase may be subject to verification by your merchant’s records. To identify genuine Microsoft software, see [www.howtotell.com](http://www.howtotell.com).

16. **TRANSFER TO A THIRD PARTY.** The first user of the software may transfer it and this agreement directly to a third party. Before the transfer, that party must agree that this agreement applies to the

transfer and use of the software. The transfer must include the software and the Proof of License label. The first user must uninstall the software before transferring it separately from the device. The first user may not retain any copies.

17. **NOTICE ABOUT THE H.264/AVC VISUAL STANDARD, AND THE VC-1 VIDEO STANDARD.** This software may include H.264/MPEG-4 AVC and/or VC-1 decoding technology. MPEG LA, L.L.C. requires this notice:

**THIS PRODUCT IS LICENSED UNDER THE AVC AND THE VC-1 PATENT PORTFOLIO LICENSES FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE ABOVE STANDARDS (“VIDEO STANDARDS”) AND/OR (ii) DECODE AVC, AND VC-1 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE SUCH VIDEO. NONE OF THE LICENSES EXTEND TO ANY OTHER PRODUCT REGARDLESS OF WHETHER SUCH PRODUCT IS INCLUDED WITH THIS SOFTWARE IN A SINGLE ARTICLE. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE [WWW.MPEGLA.COM](http://WWW.MPEGLA.COM).**

For clarification purposes, this notice does not limit or inhibit the use of the software for normal business uses that are personal to that business which do not include (i) redistribution of the software to third parties, or (ii) creation of content with the VIDEO STANDARDS compliant technologies for distribution to third parties.

18. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see [www.microsoft.com/exporting](http://www.microsoft.com/exporting).

19. **SUPPORT SERVICES.** Microsoft provides support services for the software as described at [www.support.microsoft.com/common/international.aspx](http://www.support.microsoft.com/common/international.aspx).

20. **ENTIRE AGREEMENT.** This agreement (including the warranty below), and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

21. APPLICABLE LAW.

a. United States. If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. Outside the United States. If you acquired the software in any other country, the laws of that country apply.

22. LEGAL EFFECT. This agreement describes certain legal rights. You may have other rights under the laws of your state or country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so.

23. LIMITATION ON AND EXCLUSION OF DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO THE AMOUNT YOU PAID FOR THE SOFTWARE. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING

CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to

..anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and

..claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if

..repair, replacement or a refund for the software does not fully compensate you for any losses; or

..Microsoft knew or should have known about the possibility of the damages.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. They also may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

\*\*\*\*\*

LIMITED WARRANTY

A. LIMITED WARRANTY. If you follow the instructions, the software will perform substantially as described in the Microsoft materials that you receive in or with the software.

References to “limited warranty” are references to the express warranty provided by Microsoft. This warranty is given in addition to other rights and remedies you may have under law, including your rights and remedies in accordance with the statutory guarantees under local Consumer Law.

B. TERM OF WARRANTY; WARRANTY RECIPIENT; LENGTH OF ANY IMPLIED WARRANTIES. THE LIMITED WARRANTY COVERS THE SOFTWARE FOR ONE YEAR AFTER ACQUIRED BY

THE FIRST USER. IF YOU RECEIVE SUPPLEMENTS, UPDATES, OR REPLACEMENT SOFTWARE DURING THAT YEAR, THEY WILL BE COVERED FOR THE REMAINDER OF THE WARRANTY OR 30 DAYS, WHICHEVER IS LONGER. If the first user transfers the software, the remainder of the warranty will apply to the recipient.

TO THE EXTENT PERMITTED BY LAW, ANY IMPLIED WARRANTIES, GUARANTEES OR CONDITIONS LAST ONLY DURING THE TERM OF THE LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so these limitations may not apply to you. They also might not apply to you because some countries may not allow limitations on how long an implied warranty, guarantee or condition lasts.

C. EXCLUSIONS FROM WARRANTY. This warranty does not cover problems caused by your acts (or failures to act), the acts of others, or events beyond Microsoft's reasonable control.

D. REMEDY FOR BREACH OF WARRANTY. MICROSOFT WILL REPAIR OR REPLACE THE SOFTWARE AT NO CHARGE. IF MICROSOFT CANNOT REPAIR OR REPLACE IT, MICROSOFT WILL REFUND THE AMOUNT SHOWN ON YOUR RECEIPT FOR THE SOFTWARE. IT WILL ALSO REPAIR OR REPLACE SUPPLEMENTS, UPDATES AND REPLACEMENT SOFTWARE AT NO CHARGE. IF MICROSOFT CANNOT REPAIR OR REPLACE THEM, IT WILL REFUND THE AMOUNT YOU PAID FOR THEM, IF ANY. YOU MUST UNINSTALL THE SOFTWARE AND RETURN ANY MEDIA AND OTHER ASSOCIATED MATERIALS TO MICROSOFT WITH PROOF OF PURCHASE TO OBTAIN A REFUND. THESE ARE YOUR ONLY REMEDIES FOR BREACH OF THE LIMITED WARRANTY.

E. CONSUMER RIGHTS NOT AFFECTED. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS UNDER YOUR LOCAL LAWS, WHICH THIS AGREEMENT CANNOT CHANGE.

F. WARRANTY PROCEDURES. You need proof of purchase for warranty service.

1. United States and Canada. For warranty service or information about how to obtain a refund for software acquired in the United States and Canada, contact Microsoft at

..(800) MICROSOFT;

..Microsoft Customer Service and Support, One Microsoft Way, Redmond, WA 98052-6399; or

..visit [www.microsoft.com/info/nareturns.htm](http://www.microsoft.com/info/nareturns.htm).

2. Europe, Middle East and Africa. If you acquired the software in Europe, the Middle East or Africa, Microsoft Ireland Operations Limited makes this limited warranty. To make a claim under

this warranty, you should contact either

..Microsoft Ireland Operations Limited, Customer Care Centre, Atrium Building Block B, Carmanhall Road, Sandyford Industrial Estate, Dublin 18, Ireland; or

..the Microsoft affiliate serving your country (see [www.microsoft.com/worldwide](http://www.microsoft.com/worldwide)).

3. Australia. If you acquired the software in Australia, contact Microsoft to make a claim at

..13 20 58; or

..Microsoft Pty Ltd, 1 Epping Road, North Ryde NSW 2113, Australia.



for the software, except to the extent these come with any different terms.

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE. INSTEAD, RETURN IT TO THE RETAILER FOR A REFUND OR CREDIT. If you cannot obtain a refund there, contact Microsoft or the Microsoft affiliate serving your country for information about Microsoft's refund policies. See [www.microsoft.com/worldwide](http://www.microsoft.com/worldwide). In the United States and Canada, call (800) MICROSOFT or see [www.microsoft.com/info/nareturns.htm](http://www.microsoft.com/info/nareturns.htm).

---

**TRIAL EDITION USE RIGHTS.** If the software is a trial edition, then this Section applies to your use of the trial edition.

- A. **GENERAL.** You may use any number of copies of the trial edition on your devices. You may only use the trial edition for internal evaluation purposes, and only during the trial period. You may not deploy any applications you make with the trial edition to a production environment. You may run load tests of up to 250 virtual users during the trial period.
- B. **TRIAL PERIOD AND CONVERSION.** The length of the trial period is the first thirty (30) days after you install the trial edition, plus any permitted extension period. After the expiration of the trial period, the trial edition will stop running. You may extend the trial period an additional ninety (90) days if you sign in to the software. You may not be able to access data used with the trial edition when it stops running. You may convert your trial rights at any time to the full-use rights described below by acquiring a valid full-use license.
- C. **DISCLAIMER OF WARRANTY. THE TRIAL EDITION IS LICENSED "AS-IS." YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.**

**FOR AUSTRALIA – YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS.**

- D. Because the trial edition is "as is," we may not provide support services for it.
- E. **LIMITATION ON AND EXCLUSION OF DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.** This limitation applies to (a) anything related to the trial edition, services, content (including code) on third party Internet sites, or third party programs; and (b) claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

---

**FULL-USE LICENSE TERMS FOR THE SOFTWARE:** When you acquire a valid license and either enter a product key or sign in to the software, the full-use terms below apply. You may not share your product key or access credentials.

1. **OVERVIEW.**
  - a. **Software.** The software includes development tools, applications and documentation.
  - b. **License Model.** The software is licensed on a per user basis.
2. **USE RIGHTS.**
  - a. **General.** One user may use copies of the software to develop and test your applications. This includes using copies of the software on your own internal servers that remain fully dedicated to your own use. You may not, however, separate the components of the software and run those in a production environment, or on different devices (except as otherwise stated in this agreement), or for any purpose other than developing and testing your applications. Running the software on Microsoft Azure Platform Services requires a separate license.
  - b. **Demo Use.** The use permitted above includes use of the software in demonstrating your applications.
  - c. **Backup copy.** You may make one backup copy of the software, for reinstalling the software.
3. **TERMS FOR SPECIFIC COMPONENTS.**
  - a. **Utilities.** The software contains some items on the Utilities List at <http://go.microsoft.com/fwlink/?LinkId=523763&clid=0x409>. You may copy and install those items, if included with the software, on to yours or other third party machines, to debug and deploy your applications and databases you developed with the software. Please note that Utilities are designed for temporary use, that Microsoft may not be able to patch or update Utilities separately from the rest of the software, and that some Utilities by their nature may make it possible for others to access allow machines on which they are installed. As a result, you should delete all Utilities you have installed after you finish debugging or deploying your applications and databases. Microsoft is not responsible for any third party use or access of Utilities you install on any

machine.

- b. **Build Server.** The software contains some items on the Build Server List at <http://go.microsoft.com/fwlink/?LinkId=523763&clcid=0x409>. You may copy and install those items, if included in the software, onto your build machines. You and others in your organization may use these items on your build machines solely for the purpose of compiling, building, verifying and archiving your applications or running quality or performance tests as part of the build process.
  - c. **Font Components.** While the software is running, you may use its fonts to display and print content. You may only: (i) embed fonts in content as permitted by the embedding restrictions in the fonts; and (ii) temporarily download them to a printer or other output device to help print content.
  - d. **Licenses for Other Components.**
    - **Microsoft Platforms.** The software may include components from Microsoft Windows; Microsoft Windows Server; Microsoft SQL Server; Microsoft Exchange; Microsoft Office; and Microsoft SharePoint. These components are governed by separate agreements and their own product support policies, as described in the license terms found in the installation directory for that component or in the "Licenses" folder accompanying the software.
    - **Developer resources.** The software includes compilers, languages, runtimes, environments, and other resources. These components may be governed by separate agreements and have their own product support policies. A list of these other components is located at [www.support.microsoft.com/common/international.aspx](http://www.support.microsoft.com/common/international.aspx).
    - **Third Party Components.** The software may include third party components with separate legal notices or governed by other agreements, as may be described in the ThirdPartyNotices file accompanying the software. Even if such components are governed by other agreements, the disclaimers and the limitations on and exclusions of damages below also apply.
  - e. **PACKAGE MANAGERS.** The software includes package managers, like NuGet, that give you the option to download other Microsoft and third party software packages to use with your application. Those packages are under their own licenses, and not this agreement. Microsoft does not distribute, license or provide any warranties for any of the third party packages.
4. **DISTRIBUTABLE CODE.** The software contains code that you are permitted to distribute in applications you develop as described in this Section. (For this Section the term "distribution" also means deployment of your applications for third parties to access over the Internet.)
- a. **Right to Use and Distribute.** The code and text files listed below are "Distributable Code."
    - **REDIST.TXT Files.** You may copy and distribute the object code form of code listed on the REDIST list located at <http://go.microsoft.com/fwlink/?LinkId=523763&clcid=0x409>.
    - **Sample Code, Templates and Styles.** You may copy, modify and distribute the source and object code form of code marked as "sample", "template", "simple styles" and "sketch styles".
    - **Image Library.** You may copy and distribute images, graphics and animations in the Image Library as described in the software documentation.
    - **Third Party Distribution.** You may permit distributors of your applications to copy and distribute the Distributable Code as part of those applications.
  - b. **Distribution Requirements.** For any Distributable Code you distribute, you must:
    - add significant primary functionality to it in your applications;
    - require distributors and external end users to agree to terms that protect the Distributable Code at least as much as this agreement; and
    - indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your applications, except to the extent that any claim is based solely on the Distributable Code.
  - c. **Distribution Restrictions.** You may not:
    - use Microsoft's trademarks in your applications' names or branding in a way that suggests your applications come from or are endorsed by Microsoft; or
    - modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that (i) the code be disclosed or distributed in source code form; or (ii) others have the right to modify it.
5. **DATA.** The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt-out of many of these scenarios, but not all, as described in the product documentation. There are also some features in the software that may enable you to collect data from users of your applications. If you use these features to enable data collection in your applications, you must comply with applicable law, including providing appropriate notices to users of your applications. You can learn more about data collection and use in the help documentation and the privacy statement at <http://go.microsoft.com/fwlink/?LinkId=528096&clcid=0x409>. Your use of the software operates as your consent to these practices.
6. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use

the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. For more information, see [www.microsoft.com/licensing/userights](http://www.microsoft.com/licensing/userights). You may not

- work around any technical limitations in the software;
  - reverse engineer, decompile or disassemble the software, or otherwise attempt to derive the source code for the software except, and solely to the extent: (i) permitted by applicable law, despite this limitation; or (ii) required to debug changes to any libraries licensed under the GNU Lesser General Public License which are included with and linked to by the software;
  - remove, minimize, block or modify any notices of Microsoft or its suppliers in the software;
  - use the software in any way that is against the law;
  - share, publish, rent or lease the software, or provide the software as a stand-alone hosted solution for others to use.
7. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.
8. **NOT FOR RESALE SOFTWARE.** You may not sell software marked as "NFR" or "Not for Resale."
9. **RIGHTS TO USE OTHER VERSIONS AND LOWER EDITIONS.** You may use the software and any prior version on any device. You may create, store, install, run or access in place of the version licensed, a copy or instance of a prior version, different permitted language version or lower edition.
10. **PROOF OF LICENSE.** If you acquired the software on a disc or other media, your proof of license is the Microsoft certificate of authenticity label, the accompanying product key and your receipt. If you purchased an online copy of the software, your proof of license is the Microsoft product key you received with your purchase and your receipt and/or being able to access the software service through your Microsoft account. To identify genuine Microsoft software, see [www.howtotell.com](http://www.howtotell.com).
11. **TRANSFER TO A THIRD PARTY.** If you are a valid licensee of the software you may transfer it and this license agreement directly to another party. Before the transfer, that party must agree that this agreement applies to the transfer and use of the software. The transfer must include the software, genuine Microsoft product key, and (if applicable) the Proof of License label. The transferor must uninstall all copies of the software after transferring it from the device. The transferor may not retain any copies of the genuine Microsoft product key to be transferred, and may only retain copies of the software if otherwise licensed to do so. If you have acquired a non-perpetual license to use the software or if the software is marked Not for Resale you may not transfer the software or the software license agreement to another party.
12. **EXPORT RESTRICTIONS.** Microsoft software, online services, professional services and related technology are subject to U.S. export jurisdiction. You must comply with all applicable international and national, laws including the U.S. Export Administration Regulations, the International Traffic in Arms Regulations, Office of Foreign Assets Control sanctions programs, and end-user, end use and destination restrictions by the U.S. and other governments related to Microsoft products, services and technologies. For additional information, see [www.microsoft.com/exporting](http://www.microsoft.com/exporting).
13. **SUPPORT SERVICES.** Microsoft provides support services for the software as described at [www.support.microsoft.com/common/international.aspx](http://www.support.microsoft.com/common/international.aspx).
14. **ENTIRE AGREEMENT.** This agreement (including the warranty below), and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.
15. **APPLICABLE LAW.** If you acquired the software in the United States, Washington law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live govern all other claims. If you acquire the software in any other country, its laws apply.
16. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your state or country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so.
17. **LIMITATION ON AND EXCLUSION OF DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO THE AMOUNT YOU PAID FOR THE SOFTWARE. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.**

This limitation applies to a) anything related to the software, services, content (including code) on third party Internet sites, or b) third party applications; and claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if

- repair, replacement or a refund for the software does not fully compensate you for any losses; or
- Microsoft knew or should have known about the possibility of the damages.



Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. They also may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

---

## LIMITED WARRANTY

A. **LIMITED WARRANTY.** If you follow the instructions, the software will perform substantially as described in the Microsoft materials that you receive in or with the software.

References to "limited warranty" are references to the express warranty provided by Microsoft. This warranty is given in addition to other rights and remedies you may have under law, including your rights and remedies in accordance with the statutory guarantees under local Consumer Law.

B. **TERM OF WARRANTY; WARRANTY RECIPIENT; LENGTH OF ANY IMPLIED WARRANTIES.** THE LIMITED WARRANTY COVERS THE SOFTWARE FOR ONE YEAR AFTER ACQUIRED BY THE FIRST USER. IF YOU RECEIVE SUPPLEMENTS, UPDATES, OR REPLACEMENT SOFTWARE DURING THAT YEAR, THEY WILL BE COVERED FOR THE REMAINDER OF THE WARRANTY OR 30 DAYS, WHICHEVER IS LONGER. If the first user transfers the software, the remainder of the warranty will apply to the recipient.

TO THE EXTENT PERMITTED BY LAW, ANY IMPLIED WARRANTIES, GUARANTEES OR CONDITIONS LAST ONLY DURING THE TERM OF THE LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so these limitations may not apply to you. They also might not apply to you because some countries may not allow limitations on how long an implied warranty, guarantee or condition lasts.

C. **EXCLUSIONS FROM WARRANTY.** This warranty does not cover problems caused by your acts (or failures to act), the acts of others, or events beyond Microsoft's reasonable control.

D. **REMEDY FOR BREACH OF WARRANTY.** MICROSOFT WILL REPAIR OR REPLACE THE SOFTWARE AT NO CHARGE. IF MICROSOFT CANNOT REPAIR OR REPLACE IT, MICROSOFT WILL REFUND THE AMOUNT SHOWN ON YOUR RECEIPT FOR THE SOFTWARE. IT WILL ALSO REPAIR OR REPLACE SUPPLEMENTS, UPDATES AND REPLACEMENT SOFTWARE AT NO CHARGE. IF MICROSOFT CANNOT REPAIR OR REPLACE THEM, IT WILL REFUND THE AMOUNT YOU PAID FOR THEM, IF ANY. YOU MUST UNINSTALL THE SOFTWARE AND RETURN ANY MEDIA AND OTHER ASSOCIATED MATERIALS TO MICROSOFT WITH PROOF OF PURCHASE TO OBTAIN A REFUND. THESE ARE YOUR ONLY REMEDIES FOR BREACH OF THE LIMITED WARRANTY.

E. **CONSUMER RIGHTS NOT AFFECTED.** YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS UNDER YOUR LOCAL LAWS, WHICH THIS AGREEMENT CANNOT CHANGE.

F. **WARRANTY PROCEDURES.** You need proof of purchase for warranty service.

1. **United States and Canada.** For warranty service or information about how to obtain a refund for software acquired in the United States and Canada, contact Microsoft at

- (800) MICROSOFT;
- Microsoft Customer Service and Support, One Microsoft Way, Redmond, WA 98052-6399; or
- visit [www.microsoft.com/info/nareturns.htm](http://www.microsoft.com/info/nareturns.htm).

2. **Europe, Middle East and Africa.** If you acquired the software in Europe, the Middle East or Africa, Microsoft Ireland Operations Limited makes this limited warranty. To make a claim under this warranty, you should contact either

- Microsoft Ireland Operations Limited, Customer Care Centre, Atrium Building Block B, Carmanhall Road, Sandyford Industrial Estate, Dublin 18, Ireland; or

- the Microsoft affiliate serving your country (see [www.microsoft.com/worldwide](http://www.microsoft.com/worldwide)).

3. **Australia.** If you acquired the software in Australia, contact Microsoft to make a claim at

- 13 20 58; or
- Microsoft Pty Ltd, 1 Epping Road, North Ryde NSW 2113, Australia.

4. **Outside United States, Canada, Europe, Middle East, Africa and Australia.** If you acquired the software outside the United States, Canada, Europe, the Middle East, Africa and Australia, contact the Microsoft affiliate serving your country (see [www.microsoft.com/worldwide](http://www.microsoft.com/worldwide)).

G. **NO OTHER WARRANTIES.** THE LIMITED WARRANTY IS THE ONLY DIRECT WARRANTY FROM MICROSOFT. MICROSOFT GIVES NO OTHER EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. WHERE ALLOWED BY YOUR LOCAL LAWS, MICROSOFT EXCLUDES IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. If your local laws give you any implied warranties, guarantees or conditions, despite this exclusion, your remedies are described in the Remedy for Breach of Warranty clause above, to the extent permitted by your local laws.

FOR AUSTRALIA ONLY. In this paragraph, "goods" refers to the software for which Microsoft provides the express warranty. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Goods presented for repair may be replaced by refurbished goods of the same type rather than being replaced. Refurbished parts may be used to repair the goods.

H. LIMITATION ON AND EXCLUSION OF DAMAGES FOR BREACH OF WARRANTY. THE LIMITATION ON AND EXCLUSION OF DAMAGES CLAUSE ABOVE APPLIES TO BREACHES OF THIS LIMITED WARRANTY.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM COUNTRY TO COUNTRY.

---

#### NOTICE ABOUT VIDEO CODECS:

The software may include H.264/MPEG-4 AVC and/or VC-1 decoding technology. MPEG LA, L.L.C. requires this notice. THIS PRODUCT IS LICENSED UNDER THE H.264/AVC AND THE VC-1 PATENT PORTFOLIO LICENSES FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE ABOVE STANDARDS ("VIDEO STANDARDS") AND/OR (ii) DECODE AVC, AND VC-1 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE SUCH VIDEO. NONE OF THE LICENSES EXTEND TO ANY OTHER PRODUCT REGARDLESS OF WHETHER SUCH PRODUCT IS INCLUDED WITH THIS SOFTWARE IN A SINGLE ARTICLE. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE WWW.MPEGLA.COM.

For clarity, this notice does not limit use of the software for normal business uses for that business which do not include (i) redistribution of the decoding technology to third parties, or (ii) creation of content with the VIDEO STANDARDS compliant technologies for distribution to third parties.

EULAID: VS2015\_RTM\_EntProTestPro\_ENU.Update2RTW

#### MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT VISUAL STUDIO 2015 ADD-ONS, VISUAL STUDIO SHELLS and C++ REDISTRIBUTABLE

---

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. They apply to the software named above. The terms also apply to any Microsoft services or updates for the software, except to the extent those have different terms.

---

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW.

1. INSTALLATION AND USE RIGHTS.

- a. You may install and use any number of copies of the software.
- b. Backup copy. You may make one backup copy of the software, for reinstalling the software.

2. TERMS FOR SPECIFIC COMPONENTS.

- a. Utilities. The software may contain some items on the Utilities List at <https://go.microsoft.com/fwlink/?>

LinkID=523763&clid=0x409. You may copy and install those items, if included with the software, on your machines or third party machines, to debug and deploy your applications and databases you develop with the software. Please note that Utilities are designed for temporary use, that Microsoft may not be able to patch or update Utilities separately from the rest of the software, and that some Utilities by their nature may make it possible for others to access machines on which they are installed. As a result, you should delete all Utilities you have installed after you finish debugging or deploying your applications and databases. Microsoft is not responsible for any third party use or access of Utilities you install on any machine.

- b. Microsoft Platforms. The software may include components from Microsoft Windows; Microsoft Windows Server; Microsoft SQL Server; Microsoft Exchange; Microsoft Office; and Microsoft SharePoint. These components are governed by separate agreements and their own product support policies, as described in the license terms found in the installation directory for that component or in the "Licenses" folder accompanying the software.

- c. Third Party Components. The software may include third party components with separate legal notices or governed by other agreements, as may be described in the ThirdPartyNotices file accompanying the software. Even if such components are governed by other agreements, the disclaimers and the limitations on and exclusions of damages below also apply.

3. **DATA.** The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt-out of many of these scenarios, but not all, as described in the product documentation. There are also some features in the software that may enable you to collect data from users of your applications. If you use these features to enable data collection in your applications, you must comply with applicable law, including providing appropriate notices to users of your applications. You can learn more about data collection and use in the help documentation and the privacy statement at <https://go.microsoft.com/fwlink/?LinkID=528096&clid=0x409>. Your use of the software operates as your consent to these practices.

4. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- remove, minimize, block or modify any notices of Microsoft or its suppliers in the software;
- use the software in any way that is against the law; or
- share, publish or lend the software, or provide the software as a stand-alone hosted as solution for others to use, or transfer the software or this agreement to any third party.

5. **EXPORT RESTRICTIONS.** Microsoft software, online services, professional services and related technology are subject to U.S. export jurisdiction. You must comply with all applicable international and national laws, including the U.S. Export Administration Regulations, the International Traffic in Arms Regulations, Office of Foreign Assets Control sanctions programs, and end-user, end use and destination restrictions by the U.S. and other governments related to Microsoft products, services and technologies. For additional information, see [www.microsoft.com/exporting](http://www.microsoft.com/exporting).

6. **SUPPORT SERVICES.** Because this software is “as is,” we may not provide support services for it.

7. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

8. **APPLICABLE LAW.** If you acquired the software in the United States, Washington law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live apply to all other claims. If you acquired the software in any other country, its laws apply.

9. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your state or country. This agreement does not change your rights under the laws of your state or country if the laws of your state or country do not permit it to do so. Without limitation of the foregoing, for Australia, **YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS.**

10. **DISCLAIMER OF WARRANTY. THE SOFTWARE IS LICENSED “AS-IS.” YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.**

11. **LIMITATION ON AND EXCLUSION OF DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.**

This limitation applies to (a) anything related to the software, services, content (including code) on third party Internet sites, or third party applications; and (b) claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

EULAIID: VS2015\_RTM\_ShellsRedist\_ENU



INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes software developed by the University of California, Lawrence Berkeley Laboratory and its contributors.  
This product includes software developed by the Kungliga Tekniska Högskolan and its contributors.  
This product includes software developed by Yen Yen Lim and North Dakota State University.

Portions Copyright (c) 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes software developed by the University of California, Berkeley and its contributors."
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright (c) 1983 Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Portions Copyright (c) 1995, 1996, 1997 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes software developed by the Kungliga Tekniska Högskolan and its contributors."
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL

THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright (c) 1997 Yen Yen Lim and North Dakota State University. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes software developed by Yen Yen Lim and North Dakota State University"
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright (c) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Portions Copyright (C) 1995, 1996, 1997, 1998, and 1999 WIDE Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright (c) 1996 Juniper Networks, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that: (1) source code distributions retain the above copyright notice and this paragraph in its entirety, (2) distributions including binary code include the above copyright notice and this paragraph in its entirety in the documentation or other materials provided with the distribution. The name of Juniper Networks may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Portions Copyright (c) 2001 Daniel Hartmeier All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright 1989 by Carnegie Mellon.

Permission to use, copy, modify, and distribute this program for any purpose and without fee is hereby granted, provided that this copyright and permission notice appear on all copies and supporting documentation, the name of Carnegie Mellon not be used in advertising or publicity pertaining to distribution of the program without specific prior permission, and notice be given in supporting documentation that copying and distribution is by permission of Carnegie Mellon and Stanford University. Carnegie Mellon makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Portions Copyright 1984-2010 Free Software Foundation, Inc.

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>. This program is free software: you can redistribute it and/or

modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program. If not, see <<http://www.gnu.org/licenses/>>.

Portions Copyright 2001 Atsushi Onoe  
Portions Copyright 2002-2005 Sam Leffler, Errno Consulting

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. Alternatively, this software may be distributed under the terms of the GNU General Public License ("GPL") version 2 as published by the Free Software Foundation. THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright 1991 by the Massachusetts Institute of Technology

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Portions Copyright  
2007 Fulko Hew, SITA INC Canada, Inc

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3.



The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED ``AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Portions Copyright 1992-95 Microsoft Corporation

Master Makefile for packet driver This document is provided for informational purposes only and Microsoft Corporation makes no warranties, either expressed or implied, in this document. Information in this document may be substantially changed without notice in subsequent versions of windows and does not represent a commitment on the part of Microsoft Corporation. This information is for internal use only for development purposes.

Portions Copyright 2006 Paolo Abeni

Redistribution and

use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright 1993,1994 Texas A&M University.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by Texas A&M University and its contributors. 4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE UNIVERSITY AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES



\* Copyright (c) 2016, Xilinx Inc  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions are met:  
\* \* Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.  
\* \* Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.  
\* \* Neither the name of the <organization> nor the  
\* names of its contributors may be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND  
\* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE  
\* DISCLAIMED. IN NO EVENT SHALL <COPYRIGHT HOLDER> BE LIABLE FOR ANY  
\* DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  
\* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND  
\* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS  
\* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
\*/

>>>> versal\*

/\*  
\* Autogenerated by smidgen  
\* Generated by smidgen 2018-08-23  
\* ./smidgen.py SMID\_values\_table.xlsx  
\*  
\* Permission is hereby granted, free of charge, to any person obtaining a copy  
\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:  
  
\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.  
  
\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
\* AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
\* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
\* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  
\* THE SOFTWARE.  
\*/

Copyright 2016, 2018-2019 Xilinx Inc



"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable

by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

- (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify

the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

### APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "{}" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright (c) 2018 by Contributors

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software  
distributed under the License is distributed on an "AS IS" BASIS,  
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
See the License for the specific language governing permissions and  
limitations under the License.

Copyright 2017-2018 XGBoost contributors  
Copyright 2015-2018 by Contributors file regression  
Copyright 2014, 2017-2018 Contributors  
Copyright 2014 by Contributors file bitmap.  
Copyright 2014 by Contributors file group  
Copyright 2018 Contributors author Rory Mitchell  
Copyright 2017 by Contributors file compressed  
Copyright 2015 Contributors file memory  
Copyright 2014, 2017-2018 Contributors file updater  
Copyright 2015 by Contributors file objective.cc brief Registry of all objective functions.  
Copyright (c) 2015 by Contributors file json.  
Copyright (c) 2015 by Contributors file parameter.  
Copyright 2018 by Contributors file hinge.cc brief Provides an implementation of the hinge loss function  
Copyright (c) 2014 by Contributors file rabbit.  
Copyright (c) 2014 by Contributors file page  
Copyright 2015 by Contributors file gbm.cc brief Registry of gradient boosters.  
Copyright (c) 2014 by Contributors file serializable.  
Copyright 2015-2018 by Contributors file common.cc brief Enable all kinds of global variables in common.  
Copyright (c) 2016 by Contributors file lua.  
Copyright (c) 2016 by Contributors file any.  
Copyright 2015 Contributors file type  
Copyright 2015 by Contributors file random.  
Copyright 2014 by Contributors file learner.cc brief Implementation of learning algorithm.  
Copyright (c) 2014-2019 by Contributors file rabbit-inl.  
Copyright 2015 by Contributors file math.  
Copyright 2014-2015 Contributors file simple  
Copyright 2018 XGBoost contributors brief span class based on ISO  
Copyright 2014 by Contributors file gbt.cc brief gradient boosted tree implementation.  
Copyright (c) 2015 by Contributors file omp.  
Copyright (c) 2016 by Contributors file input  
Copyright (c) 2014 by Contributors file utils.  
Copyright (c) 2015 by Contributors file threadediter.  
Copyright 2014 by Contributors file gblinear.cc brief Implementation of Linear booster with  
Copyright 2017-2019 Contributors file hist  
Copyright 2014-2015 Contributors file tree  
Copyright 2014 by Contributors define  
Copyright 2015-2018 by Contributors file multi  
Copyright 2018 by Contributors file enum  
Copyright 2015 Contributors file  
Copyright (c) 2018 by Contributors file filesystem.  
Copyright 2015 Contributors file base  
Copyright (c) 2016 by Contributors file optional.





\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:

\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.

\* Use of the Software is limited solely to applications:

- \* (a) running on a Xilinx device, or
- \* (b) that interact with a Xilinx device through a bus or interconnect.

\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE  
\* XILINX CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,  
\* WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF  
\* OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE  
\* SOFTWARE.

\* Except as contained in this notice, the name of the Xilinx shall not be used  
\* in advertising or otherwise to promote the sale, use or other dealings in  
\* this Software without prior written authorization from Xilinx.

\*\*\*\*\*/

2)The following files have the CYNGUS Support license as given below

bsp/standalone/src/cortexa9/print.c  
bsp/standalone/src/cortexa9/putnum.c

/\*  
\* Copyright (c) 1995 Cygnus Support

\* The authors hereby grant permission to use, copy, modify, distribute,  
\* and license this software and its documentation for any purpose, provided  
\* that existing copyright notices are retained in all copies and that this  
\* notice is included verbatim in any distributions. No written agreement,  
\* license, or royalty fee is required for any of the authorized uses.  
\* Modifications to this software may be copyrighted by their authors  
\* and need not follow the licensing terms described here, provided that  
\* the new terms are clearly indicated on the first page of each file where  
\* they apply.

\*/

3) The following file has the SSL Copyright

lib/sw\_apps/zynq\_fsbl/src/md5.c

/\* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)  
\* All rights reserved.

\*

\* This package is an SSL implementation written  
 \* by Eric Young (eay@cryptsoft.com).  
 \* The implementation was written so as to conform with Netscapes SSL.  
 \*  
 \* This library is free for commercial and non-commercial use as long as  
 \* the following conditions are aheared to. The following conditions  
 \* apply to all code found in this distribution, be it the RC4, RSA,  
 \* lhash, DES, etc., code; not just the SSL code. The SSL documentation  
 \* included with this distribution is covered by the same copyright terms  
 \* except that the holder is Tim Hudson (tjh@cryptsoft.com).  
 \*  
 \* Copyright remains Eric Young's, and as such any Copyright notices in  
 \* the code are not to be removed.  
 \* If this package is used in a product, Eric Young should be given attribution  
 \* as the author of the parts of the library used.  
 \* This can be in the form of a textual message at program startup or  
 \* in documentation (online or textual) provided with the package.  
 \*  
 \* Redistribution and use in source and binary forms, with or without  
 \* modification, are permitted provided that the following conditions  
 \* are met:  
 \* 1. Redistributions of source code must retain the copyright  
 \* notice, this list of conditions and the following disclaimer.  
 \* 2. Redistributions in binary form must reproduce the above copyright  
 \* notice, this list of conditions and the following disclaimer in the  
 \* documentation and/or other materials provided with the distribution.  
 \* 3. All advertising materials mentioning features or use of this software  
 \* must display the following acknowledgement:  
 \* "This product includes cryptographic software written by  
 \* Eric Young (eay@cryptsoft.com)"  
 \* The word 'cryptographic' can be left out if the rouines from the library  
 \* being used are not cryptographic related :-).  
 \* 4. If you include any Windows specific code (or a derivative thereof) from  
 \* the apps directory (application code) you must include an acknowledgement:  
 \* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"  
 \*  
 \* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS" AND  
 \* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
 \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
 \* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE  
 \* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
 \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
 \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
 \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
 \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
 \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
 \* SUCH DAMAGE.  
 \*  
 \* The licence and distribution terms for any publically available version or  
 \* derivative of this code cannot be changed. i.e. this code cannot simply be  
 \* copied and put under another distribution licence  
 \* [including the GNU Public Licence.]  
 \*/

4) The following files have the License for FatFs - Generic FAT File System Module

```
lib/sw_services/xilffs/src/ff.c
lib/sw_services/xilffs/src/include/diskio.h
lib/sw_services/xilffs/src/include/ff.h
lib/sw_services/xilffs/src/include/ffconf.h
lib/sw_services/xilffs/src/include/integer.h
```

```
/*-----/
/ FatFs - FAT file system module R0.08a          (C)ChaN, 2010
/-----/
/ FatFs module is a generic FAT file system module for small embedded systems.
/ This is a free software that opened for education, research and commercial
/ developments under license policy of following terms.
/
/ Copyright (C) 2010, ChaN, all right reserved.
/
/ * The FatFs module is a free software and there is NO WARRANTY.
/ * No restriction on use. You can use, modify and redistribute it for
/ personal, non-profit or commercial products UNDER YOUR RESPONSIBILITY.
/ * Redistributions of source code must retain the above copyright notice.
/
/-----/
```

5) The following files of AXI USB driver have the Vreelin Copyright and Xilinx Copyright as given below

```
drivers/usb/src/xusb.c
drivers/usb/src/xusb.h
drivers/usb/src/xusb_endpoint.c
drivers/usb/src/xusb_intr.c
drivers/usb/src/xusb_l.h
drivers/usb/src/xusb_sinit.c
drivers/usb/examples/xusb_cp9.c
drivers/usb/examples/xusb_cp9.h
drivers/usb/examples/xusb_dma_intr_storage.c
drivers/usb/examples/xusb_keyboard.c
drivers/usb/examples/xusb_keyboard.h
drivers/usb/examples/xusb_mouse.c
drivers/usb/examples/xusb_mouse.h
drivers/usb/examples/xusb_storage.c
drivers/usb/examples/xusb_storage.h
drivers/usb/examples/xusb_storage_polled_mode.c
drivers/usb/examples/xusb_types.h
```

```
/*-----/
*
* Copyright (C) 2006 Vreelin Engineering, Inc. All Rights Reserved.
* (c) Copyright 2007-2013 Xilinx, Inc. All rights reserved.
*
* This file contains confidential and proprietary information of Xilinx, Inc.
* and is protected under U.S. and international copyright and other
* intellectual property laws.
*
* DISCLAIMER
* This disclaimer is not a license and does not grant any rights to the
```

\* materials distributed herewith. Except as otherwise provided in a valid  
\* license issued to you by Xilinx, and to the maximum extent permitted by  
\* applicable law: (1) THESE MATERIALS ARE MADE AVAILABLE "AS IS" AND WITH ALL  
\* FAULTS, AND XILINX HEREBY DISCLAIMS ALL WARRANTIES AND CONDITIONS, EXPRESS,  
\* IMPLIED, OR STATUTORY, INCLUDING BUT NOT LIMITED TO WARRANTIES OF  
\* MERCHANTABILITY, NON-INFRINGEMENT, OR FITNESS FOR ANY PARTICULAR PURPOSE;  
\* and (2) Xilinx shall not be liable (whether in contract or tort, including  
\* negligence, or under any other theory of liability) for any loss or damage  
\* of any kind or nature related to, arising under or in connection with these  
\* materials, including for any direct, or any indirect, special, incidental,  
\* or consequential loss or damage (including loss of data, profits, goodwill,  
\* or any type of loss or damage suffered as a result of any action brought by  
\* a third party) even if such damage or loss was reasonably foreseeable or  
\* Xilinx had been advised of the possibility of the same.

\* **CRITICAL APPLICATIONS**

\* Xilinx products are not designed or intended to be fail-safe, or for use in  
\* any application requiring fail-safe performance, such as life-support or  
\* safety devices or systems, Class III medical devices, nuclear facilities,  
\* applications related to the deployment of airbags, or any other applications  
\* that could lead to death, personal injury, or severe property or  
\* environmental damage (individually and collectively, "Critical  
\* Applications"). Customer assumes the sole risk and liability of any use of  
\* Xilinx products in Critical Applications, subject only to applicable laws  
\* and regulations governing limitations on product liability.

\* **THIS COPYRIGHT NOTICE AND DISCLAIMER MUST BE RETAINED AS PART OF THIS FILE  
\* AT ALL TIMES.**

\*/

- 6) The following files have the GPL License  
lib/sw\_apps/zynq\_fsbl/misc/zc702/ps7\_init\_gpl.c  
lib/sw\_apps/zynq\_fsbl/misc/zc702/ps7\_init\_gpl.h  
lib/sw\_apps/zynq\_fsbl/misc/zc706/ps7\_init\_gpl.c  
lib/sw\_apps/zynq\_fsbl/misc/zc706/ps7\_init\_gpl.h  
lib/sw\_apps/zynq\_fsbl/misc/zed/ps7\_init\_gpl.c  
lib/sw\_apps/zynq\_fsbl/misc/zed/ps7\_init\_gpl.h  
lib/sw\_apps/zynq\_fsbl/misc/microzed/ps7\_init\_gpl.c  
lib/sw\_apps/zynq\_fsbl/misc/microzed/ps7\_init\_gpl.h

/\*

\* Copyright (C) 2012 - 2014 Xilinx Inc.

\* This program is free software; you can redistribute it and/or modify  
\* it under the terms of the GNU General Public License as published by  
\* the Free Software Foundation; either version 2 of the License, or  
\* (at your option) any later version.

\* This program is distributed in the hope that it will be useful,  
\* but WITHOUT ANY WARRANTY; without even the implied warranty of  
\* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
\* GNU General Public License for more details.

\*

\* You should have received a copy of the GNU General Public License  
\* along with this program. If not, see <<http://www.gnu.org/licenses/>>.

\*\*\*\*\*/

7) All the files in the LwIP stack in ThirdParty\sw\_services\lwip140 are taken from the open source LwIP stack.

LwIP is a collection of many files, each of which appears to have its own copyright notice in substantially the form of one or more of the following. Be sure to check the source code and header files if you use LwIP.

COPYRIGHT TEXT:

```
/*
 * Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without modification,
 * are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice,
 * this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation
 * and/or other materials provided with the distribution.
 * 3. The name of the author may not be used to endorse or promote products
 * derived from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
 * SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
 * EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
 * OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
 * IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY
 * OF SUCH DAMAGE.
 *
 * Author: Christiaan Simons <christiaan.simons@axon.tv>
 */
```

COPYRIGHT TEXT:

```
/*
 * Redistribution and use in source and binary forms, with or without modification,
 * are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice,
 * this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation
```

\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* This file is part of the lwIP TCP/IP stack.  
\*  
\*/

#### COPYRIGHT TEXT:

/\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* This file is part of the lwIP TCP/IP stack.  
\*  
\* Author: Simon Goldschmidt  
\*  
\*/

#### COPYRIGHT TEXT:

/\*\*  
\* @file  
\* API functions for name resolving  
\*  
\*/

```
*/
/*
* Redistribution and use in source and binary forms, with or without modification,
* are permitted provided that the following conditions are met:
*
* 1. Redistributions of source code must retain the above copyright notice,
* this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright notice,
* this list of conditions and the following disclaimer in the documentation
* and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote products
* derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY
* OF SUCH DAMAGE.
*
* This file is part of the lwIP TCP/IP stack.
*
* Author: Simon Goldschmidt
*
*/
```

COPYRIGHT TEXT:

```
/**
* @file
* MIB tree access/construction functions.
*/
/*
* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without modification,
* are permitted provided that the following conditions are met:
*
* 1. Redistributions of source code must retain the above copyright notice,
* this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright notice,
* this list of conditions and the following disclaimer in the documentation
* and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote products
* derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
```



\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.

\* Author: Christiaan Simons <christiaan.simons@axon.tv>

COPYRIGHT TEXT:

\* Copyright (c) 2007-2008, Advanced Micro Devices, Inc.  
\* All rights reserved.

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* \* Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* \* Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in  
\* the documentation and/or other materials provided with the  
\* distribution.
- \* \* Neither the name of Advanced Micro Devices, Inc. nor the names  
\* of its contributors may be used to endorse or promote products  
\* derived from this software without specific prior written  
\* permission.

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\* Some portions copyright (c) 2008-2013 Xilinx, Inc. All rights reserved.

\* Xilinx, Inc.

\* XILINX IS PROVIDING THIS DESIGN, CODE, OR INFORMATION "AS IS" AS A  
\* COURTESY TO YOU. BY PROVIDING THIS DESIGN, CODE, OR INFORMATION AS  
\* ONE POSSIBLE IMPLEMENTATION OF THIS FEATURE, APPLICATION OR  
\* STANDARD, XILINX IS MAKING NO REPRESENTATION THAT THIS IMPLEMENTATION  
\* IS FREE FROM ANY CLAIMS OF INFRINGEMENT, AND YOU ARE RESPONSIBLE  
\* FOR OBTAINING ANY RIGHTS YOU MAY REQUIRE FOR YOUR IMPLEMENTATION.  
\* XILINX EXPRESSLY DISCLAIMS ANY WARRANTY WHATSOEVER WITH RESPECT TO  
\* THE ADEQUACY OF THE IMPLEMENTATION, INCLUDING BUT NOT LIMITED TO

\* ANY WARRANTIES OR REPRESENTATIONS THAT THIS IMPLEMENTATION IS FREE  
\* FROM CLAIMS OF INFRINGEMENT, IMPLIED WARRANTIES OF MERCHANTABILITY  
\* AND FITNESS FOR A PARTICULAR PURPOSE.  
\*  
\*/

COPYRIGHT TEXT:

```
/**
 * @file
 * AutoIP Automatic LinkLocal IP Configuration
 */
/*
 * Copyright (c) 2007 Dominik Spies <kontakt@dspies.de>
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without modification,
 * are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice,
 *    this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 *    this list of conditions and the following disclaimer in the documentation
 *    and/or other materials provided with the distribution.
 * 3. The name of the author may not be used to endorse or promote products
 *    derived from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
 * SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
 * EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
 * OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
 * IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY
 * OF SUCH DAMAGE.
 *
 * Author: Dominik Spies <kontakt@dspies.de>
 *
 * This is a AutoIP implementation for the lwIP TCP/IP stack. It aims to conform
 * with RFC 3927.
 *
 * Please coordinate changes and requests with Dominik Spies
 * <kontakt@dspies.de>
 */
```

COPYRIGHT TEXT:

```
/**
 * @file
 * Address Resolution Protocol module for IP over Ethernet
```

```
*
* Functionally, ARP is divided into two parts. The first maps an IP address
* to a physical address when sending a packet, and the second part answers
* requests from other machines for our physical address.
*
* This implementation complies with RFC 826 (Ethernet ARP). It supports
* Gratuitous ARP from RFC3220 (IP Mobility Support for IPv4) section 4.6
* if an interface calls etharp_gratuitous(our_netif) upon address change.
*/
/*
* Copyright (c) 2001-2003 Swedish Institute of Computer Science.
* Copyright (c) 2003-2004 Leon Woestenberg <leon.woestenberg@axon.tv>
* Copyright (c) 2003-2004 Axon Digital Design B.V., The Netherlands.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without modification,
* are permitted provided that the following conditions are met:
*
* 1. Redistributions of source code must retain the above copyright notice,
* this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright notice,
* this list of conditions and the following disclaimer in the documentation
* and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote products
* derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY
* OF SUCH DAMAGE.
*
* This file is part of the lwIP TCP/IP stack.
*
*/
```

#### COPYRIGHT TEXT:

```
/**
* @file
* Management Information Base II (RFC1213) objects and functions.
*
* @note the object identifiers for this MIB-2 and private MIB tree
* must be kept in sorted ascending order. This to ensure correct getnext operation.
*/
/*
* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without modification,
```

\* are permitted provided that the following conditions are met:

\*

- \* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*

\* Author: Christiaan Simons <christiaan.simons@axon.tv>

\*/

#### COPYRIGHT TEXT:

/\*\*\*\*\*\*

\* ppp\_oe.h - PPP Over Ethernet implementation for lwIP.

\*

\* Copyright (c) 2006 by Marc Boucher, Services Informatiques (MBSI) inc.

\*

\* The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice and the following disclaimer are included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

\*

\* THIS SOFTWARE IS PROVIDED BY THE CONTRIBUTORS \*AS IS\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*

/\*\*\*\*\*\*

#### \* REVISION HISTORY

\*

\* 06-01-01 Marc Boucher <marc@mbsi.ca>

\* Ported to lwIP.

/\*\*\*\*\*\*

/\* based on NetBSD: if\_pppoe.c, v 1.64 2006/01/31 23:50:15 martin Exp \*/

```
/*-
 * Copyright (c) 2002 The NetBSD Foundation, Inc.
 * All rights reserved.
 *
 * This code is derived from software contributed to The NetBSD Foundation
 * by Martin Husemann <martin@NetBSD.org>.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgement:
 *     This product includes software developed by the NetBSD
 *     Foundation, Inc. and its contributors.
 * 4. Neither the name of The NetBSD Foundation nor the names of its
 * contributors may be used to endorse or promote products derived
 * from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS
 * ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
 * TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
 * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS
 * BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
 * POSSIBILITY OF SUCH DAMAGE.
 */
```

#### COPYRIGHT TEXT:

```
/*
 * Copyright (c) 2007-2008, Advanced Micro Devices, Inc.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * * Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * * Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 * * Neither the name of Advanced Micro Devices, Inc. nor the names
 * of its contributors may be used to endorse or promote products
 * derived from this software without specific prior written
 * permission.
```

\*  
\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
\* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
\* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR  
\* A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT  
\* OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,  
\* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT  
\* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
\* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY  
\* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
\* OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

/\*

\* Some portions copyright (c) 2010-2013 Xilinx, Inc. All rights reserved.

\*

\* Xilinx, Inc.

\* XILINX IS PROVIDING THIS DESIGN, CODE, OR INFORMATION "AS IS" AS A  
\* COURTESY TO YOU. BY PROVIDING THIS DESIGN, CODE, OR INFORMATION AS  
\* ONE POSSIBLE IMPLEMENTATION OF THIS FEATURE, APPLICATION OR  
\* STANDARD, XILINX IS MAKING NO REPRESENTATION THAT THIS IMPLEMENTATION  
\* IS FREE FROM ANY CLAIMS OF INFRINGEMENT, AND YOU ARE RESPONSIBLE  
\* FOR OBTAINING ANY RIGHTS YOU MAY REQUIRE FOR YOUR IMPLEMENTATION.  
\* XILINX EXPRESSLY DISCLAIMS ANY WARRANTY WHATSOEVER WITH RESPECT TO  
\* THE ADEQUACY OF THE IMPLEMENTATION, INCLUDING BUT NOT LIMITED TO  
\* ANY WARRANTIES OR REPRESENTATIONS THAT THIS IMPLEMENTATION IS FREE  
\* FROM CLAIMS OF INFRINGEMENT, IMPLIED WARRANTIES OF MERCHANTABILITY  
\* AND FITNESS FOR A PARTICULAR PURPOSE.

\*

\*/

#### COPYRIGHT TEXT:

/\*\*

\* lwip DNS resolver header file.

\* Author: Jim Pettinato

\* April 2007

\* ported from uIP resolv.c Copyright (c) 2002-2003, Adam Dunkels.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote  
\* products derived from this software without specific prior  
\* written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS  
\* OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
\* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY

\* DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE  
\* GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,  
\* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING  
\* NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS  
\* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
\*/

COPYRIGHT TEXT:

/\*

\* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.  
\* All rights reserved.

/\*

\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:

/\*

- \* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.

/\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.

/\*

\* Author: Christiaan Simons <christiaan.simons@axon.tv>

\*/

COPYRIGHT TEXT:

/\*\*

\* Copyright (c) 2002 CITEL Technologies Ltd.  
\* All rights reserved.

/\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:

- \* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright  
\* notice, this list of conditions and the following disclaimer in the  
\* documentation and/or other materials provided with the distribution.
- \* 3. Neither the name of CITEL Technologies Ltd nor the names of its contributors

\* may be used to endorse or promote products derived from this software  
\* without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY CITEL TECHNOLOGIES AND CONTRIBUTORS ``AS IS"  
\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
\* ARE DISCLAIMED. IN NO EVENT SHALL CITEL TECHNOLOGIES OR CONTRIBUTORS BE LIABLE  
\* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
\* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
\* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
\* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT  
\* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
\* SUCH DAMAGE.  
\*  
\* This file is a contribution to the lwIP TCP/IP stack.  
\* The Swedish Institute of Computer Science and Adam Dunkels  
\* are specifically granted permission to redistribute this  
\* source code.  
\*/

COPYRIGHT TEXT:

/\*  
\* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* Author: Christiaan Simons <christiaan.simons@axon.tv>  
\*/

COPYRIGHT TEXT:

/\*  
\* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.



\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* Author: Christiaan Simons <christiaan.simons@axon.tv>  
\*/

#### COPYRIGHT TEXT:

/\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* This file is part of the lwIP TCP/IP stack.  
\*  
\*/

COPYRIGHT TEXT:

/\*

\* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.  
\* All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:

\*

- \* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.

\*

\* Author: Christiaan Simons <christiaan.simons@axon.tv>

\*/

COPYRIGHT TEXT:

/\*

\* Copyright (c) 2001, 2002 Leon Woestenberg <leon.woestenberg@axon.tv>  
\* Copyright (c) 2001, 2002 Axon Digital Design B.V., The Netherlands.  
\* All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:

\*

- \* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.
- \* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING

\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.

\*

\* This file is part of the lwIP TCP/IP stack.

\*

\* Author: Leon Woestenberg <leon.woestenberg@axon.tv>

\*

\*/

#### COPYRIGHT TEXT:

/\*

\* Copyright (c) 2001-2003 Swedish Institute of Computer Science.

\* Copyright (c) 2003-2004 Leon Woestenberg <leon.woestenberg@axon.tv>

\* Copyright (c) 2003-2004 Axon Digital Design B.V., The Netherlands.

\* All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without modification,

\* are permitted provided that the following conditions are met:

\*

\* 1. Redistributions of source code must retain the above copyright notice,

\* this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright notice,

\* this list of conditions and the following disclaimer in the documentation

\* and/or other materials provided with the distribution.

\* 3. The name of the author may not be used to endorse or promote products

\* derived from this software without specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED

\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF

\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT

\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,

\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT

\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN

\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING

\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY

\* OF SUCH DAMAGE.

\*

\* This file is part of the lwIP TCP/IP stack.

\*

\* Author: Adam Dunkels <adam@sics.se>

\*

\*/

#### COPYRIGHT TEXT:

/\*

\*

\* Copyright (c) 2007 Dominik Spies <kontakt@dspies.de>

\* All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without modification,

\* are permitted provided that the following conditions are met:

\*

\* 1. Redistributions of source code must retain the above copyright notice,

\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* Author: Dominik Spies <kontakt@dspies.de>  
\*  
\* This is a AutoIP implementation for the lwIP TCP/IP stack. It aims to conform  
\* with RFC 3927.  
\*  
\* Please coordinate changes and requests with Dominik Spies  
\* <kontakt@dspies.de>  
\*/

COPYRIGHT TEXT:

/\*  
\*  
\* Copyright (c) 2001-2004 Leon Woestenberg <leon.woestenberg@gmx.net>  
\* Copyright (c) 2001-2004 Axon Digital Design B.V., The Netherlands.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY

\* OF SUCH DAMAGE.  
\*  
\* This file is a contribution to the lwIP TCP/IP stack.  
\* The Swedish Institute of Computer Science and Adam Dunkels  
\* are specifically granted permission to redistribute this  
\* source code.  
\*  
\* Author: Leon Woestenberg <leon.woestenberg@gmx.net>  
\*  
\* This is a DHCP client for the lwIP TCP/IP stack. It aims to conform  
\* with RFC 2131 and RFC 2132.  
\*  
\* TODO:  
\* - Support for interfaces other than Ethernet (SLIP, PPP, ...)  
\*  
\* Please coordinate changes and requests with Leon Woestenberg  
\* <leon.woestenberg@gmx.net>  
\*  
\* Integration with your code:  
\*  
\* In lwip/dhcp.h  
\* #define DHCP\_COARSE\_TIMER\_SECS (recommended 60 which is a minute)  
\* #define DHCP\_FINE\_TIMER\_MSECS (recommended 500 which equals TCP coarse timer)  
\*  
\* Then have your application call dhcp\_coarse\_tmr() and  
\* dhcp\_fine\_tmr() on the defined intervals.  
\*  
\* dhcp\_start(struct netif \*netif);  
\* starts a DHCP client instance which configures the interface by  
\* obtaining an IP address lease and maintaining it.  
\*  
\* Use dhcp\_release(netif) to end the lease and use dhcp\_stop(netif)  
\* to remove the DHCP client.  
\*  
\*/

#### COPYRIGHT TEXT:

/\*  
\* Copyright (c) 2006 Axon Digital Design B.V., The Netherlands.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,

\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* Author: Christiaan Simons <christiaan.simons@axon.tv>  
\*/

COPYRIGHT TEXT:

/\*  
\* Copyright (c) 2001-2004 Swedish Institute of Computer Science.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without modification,  
\* are permitted provided that the following conditions are met:  
\*  
\* 1. Redistributions of source code must retain the above copyright notice,  
\* this list of conditions and the following disclaimer.  
\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.  
\* 3. The name of the author may not be used to endorse or promote products  
\* derived from this software without specific prior written permission.  
\*  
\* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT  
\* SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
\* EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT  
\* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN  
\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING  
\* IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY  
\* OF SUCH DAMAGE.  
\*  
\* This file is part of the lwIP TCP/IP stack.  
\*  
\* Author: Adam Dunkels <adam@sics.se>  
\*  
\*/

/\*\*  
\* This file implements a DNS host name to IP address resolver.  
\* Port to lwIP from uIP  
\* by Jim Pettinato April 2007  
\* uIP version Copyright (c) 2002-2003, Adam Dunkels.  
\* All rights reserved.  
\*  
\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions  
\* are met:  
\* 1. Redistributions of source code must retain the above copyright  
\* notice, this list of conditions and the following disclaimer.

\* 2. Redistributions in binary form must reproduce the above copyright  
 \* notice, this list of conditions and the following disclaimer in the  
 \* documentation and/or other materials provided with the distribution.  
 \* 3. The name of the author may not be used to endorse or promote  
 \* products derived from this software without specific prior  
 \* written permission.  
 \*  
 \* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS  
 \* OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
 \* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
 \* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY  
 \* DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
 \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE  
 \* GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS  
 \* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,  
 \* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING  
 \* NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS  
 \* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.  
 \*  
 \*  
 \*/

Copyright 2013-2017 Efinix Inc  
 Copyright 2013 Steven Benner  
 Copyright 2017-2018 Pinecone Inc. and Contributors  
 Copyright 2001 David Ireland D.I. Management Services Pty Ltd  
 Copyright 2016 Freescale Semiconductor Inc  
 Copyright 1986-2020 Xilinx Inc  
 Copyright 2018 Linaro Ltd. and Contributors  
 Copyright 2013 Xilinx Inc. XREGDB  
 Copyright 2007-2009 Ariel Flesler - aflesler  
 Copyright 2011 Google Inc  
 Copyright 2016 Adeas B.V  
 Copyright 2011 The Dojo Foundation Released  
 Copyright 1995 Cygnus Support  
 Copyright 1995-1998 Eric Young (eay@cryptsoft.com)  
 Copyright 2015-2019 Xilinx Inc. and Contributors  
 Copyright 2007 Rusty Russell IBM Corp  
 Copyright 2011 AUTHORS.txt  
 Copyright 2007-2011 Ilya O. Levin  
 Copyright 2011 Texas Instruments Inc  
 Copyright 2016 DornerWorks  
 Copyright 2010 Cowboy Ben Alman Dual  
 Copyright 2011 John Resig Dual  
 Copyright 2014 Mentor Graphics Corp  
 Copyright 2017 Xilinx Inc. -----  
 Copyright 2001 D.I. Management Services Pty Ltd  
 (c) 2005 2015 jQuery Foundation Inc. jquery.org license  
 Copyright 2011 Bryan Venteicher <bryanv@FreeBSD.org>  
 (c) 2005 2015 jQuery Foundation Inc. jquery.org license function  
 Copyright 2018 Linaro Inc. and Contributors  
 Copyright 2006 Grzegorz Milos - Cambridge University  
 Copyright 2018 ST Microelectronics  
 (c) 2013-2014 Xilinx Inc. Build date  
 Copyright 2017-2019 Amazon.com Inc. or its affiliates





\* This program is distributed in the hope it will be useful, but WITHOUT  
\* ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or  
\* FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for  
\* more details.  
\*  
\* The full GNU General Public License is included in this distribution in  
\* the file called "LICENSE".  
\*  
\*\*\*\*\*/

////////////////////////////////////

Copyright 2011-2012 The Khronos Group Inc

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and /or associated documentation files (the "Materials "), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

////////////////////////////////////

Copyright 2009-2010 Intel Corp

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.



# all copies or substantial portions of the Software.

#

# Use of the Software is limited solely to applications:

# (a) running on a Xilinx device, or

# (b) that interact with a Xilinx device through a bus or interconnect.

#

# THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR

# IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,

# FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL

# XILINX BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,

# WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF

# OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE

# SOFTWARE.

#

# Except as contained in this notice, the name of the Xilinx shall not be used

# in advertising or otherwise to promote the sale, use or other dealings in

# this Software without prior written authorization from Xilinx.

#

\* Copyright (c) 2017, Linaro Limited. and Contributors. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without

\* modification, are permitted provided that the following conditions are met:

\*

\* 1. Redistributions of source code must retain the above copyright notice,

\* this list of conditions and the following disclaimer.

\*

\* 2. Redistributions in binary form must reproduce the above copyright notice,

\* this list of conditions and the following disclaimer in the documentation

\* and/or other materials provided with the distribution.

\*

\* 3. Neither the name of Linaro nor the names of its contributors may be used

\* to endorse or promote products derived from this software without

\* specific prior written permission.

\*

\* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"

\* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

\* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

\* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE

\* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR

\* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF

\* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

\* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN

\* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

\* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

\* POSSIBILITY OF SUCH DAMAGE.















Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois, Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth, Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz, David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko, Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.
2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.
3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP--must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.
4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip," "UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its own source and binary releases.











This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate \*not\* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

#### COPYRIGHT TEXT:

Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing Fantoftvegen 38, 5036 BERGEN, Norway <http://www.cmr.no> Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Christian Michelsen Research AS makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

#### COPYRIGHT TEXT:

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> ) Modifications of Unzip for Zip64 Copyright (C) 2007-2008 Even Rouault Modifications for Zip64 support on both zip and unzip Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> ) For more info read MiniZip\_info.txt Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c. Code woven in by Terry Thorsen 1/2003. Copyright (c) 1990-2000 Info-ZIP. All rights reserved. See the accompanying file LICENSE, version 2000-Apr-09 or later (the contents of which are also included in zip.h) for terms of use. If, for some reason, all these files are missing, the Info-ZIP license also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html> crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h] The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.) This encryption code is a direct transcription of the algorithm from Roger Schlafly,





\* of this software and associated documentation files (the "Software"), to deal  
\* in the Software without restriction, including without limitation the rights  
\* to use, copy, modify, merge, publish, distribute, sublicense, and/or sell  
\* copies of the Software, and to permit persons to whom the Software is  
\* furnished to do so, subject to the following conditions:  
\*  
\* The above copyright notice and this permission notice shall be included in  
\* all copies or substantial portions of the Software.  
\*  
\* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR  
\* IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,  
\* FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL  
\* THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER  
\* LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,  
\* OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN  
\* THE SOFTWARE.  
\*/

Copyright 2013 Xilinx Inc Written by Edgar E. Iglesias <edgar.iglesias@xilinx.com>

#### Part Four: Certain Third-Party Template Licenses.

##### Index:

Apache License, version 2.0  
Codalogic Ltd License Agreement for LMX Software, License Version 2.0  
Centerpoint Public License, version 1.0  
Common Development and Distribution License (CDDL) Version 1.1  
Common Public License 1.0  
Creative Commons Attribution Share-Alike 2.5 license  
Creative Commons Public License - Attribution 2.0 Generic  
Creative Commons Public License - Attribution 3.0 Unported  
CYGNUS ECOS PUBLIC LICENSE, Version 1.0  
Eclipse Distribution License, version 1.0  
Eclipse Public License, version 1.0  
GCC RUNTIME LIBRARY EXCEPTION  
GNU Free Documentation License, version 1.1  
GNU Free Documentation License, Version 1.2  
GNU General Public License, version 2  
GNU General Public License, version 3  
GNU Lesser General Public License, version 2.1  
GNU Lesser General Public License, version 3  
GNU Library General Public License, version 2



form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

- (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
- (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. **Submission of Contributions.** Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. **Trademarks.** This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. **Disclaimer of Warranty.** Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
  
9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

## END OF TERMS AND CONDITIONS

### APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");  
you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.



you to evaluate the functionality of THE SOFTWARE.  
License Grant

Subject to the Terms and Conditions of this AGREEMENT, CODALOGIC LTD hereby grants YOU a non-exclusive, worldwide, perpetual right to use THE SOFTWARE.

YOU may reproduce, install and use THE SOFTWARE in accordance with the following Conditions:

- (i) THE SOFTWARE may be used in EVALUATION MODE without a LICENSE FILE.
- (ii) THE SOFTWARE can be used in EVALUATION MODE only for the purpose of determining whether THE SOFTWARE is fit for purpose.
- (iii) THE SOFTWARE OUTPUT that is ultimately intended to be supplied to a THIRD PARTY (or many thereof) must be generated by a copy of THE SOFTWARE PROGRAM for which a PERPETUAL LICENSE FILE has been acquired directly or indirectly from CODALOGIC LTD.
- (iv) THE SOFTWARE OUTPUT that is used to directly or indirectly develop code ultimately intended to be supplied to a THIRD PARTY (or many thereof) must be generated by a copy of THE SOFTWARE PROGRAM for which a PERPETUAL LICENSE FILE has been acquired directly or indirectly from CODALOGIC LTD.
- (v) Other than for evaluation purposes and for use by students on a training course recognised by CODALOGIC LTD, a unique PERPETUAL LICENSE FILE is required for each USER of THE SOFTWARE PROGRAM. A single LICENSE FILE must not be used by more than one USER.
- (vi) A unique PERPETUAL LICENSE FILE is required for each machine that autonomously runs THE SOFTWARE PROGRAM (such as a nightly build machine).
- (vi) Without prior arrangement with CODALOGIC LTD, A LICENSE FILE may be transferred to another USER up to 4 times in any 12 month period. On transferring a LICENSE FILE to a another USER the previous USER must delete all copies of THE SOFTWARE PROGRAM, THE SUPPORTING SOFTWARE and any configuration files from any machine that the transferred LICENSE FILE has been associated with. (Informational note: If a LICENSE FILE that was initially assigned to USER A, is transferred to USER B and then later transferred back to USER A, that is considered to be two transfers of the LICENSE FILE.)
- (viii) A LICENSE FILE must not be sublicensed, leased, rented, loaned, lent, sold, time-shared, or otherwise transferred for value to any other party.
- (ix) Subject to Condition (xi), YOU may directly or indirectly supply as a component part of a larger software item THE SOFTWARE OUTPUT that has been generated by a copy of THE SOFTWARE PROGRAM for which a PERPETUAL LICENSE FILE has been acquired directly or indirectly from CODALOGIC LTD to a THIRD PARTY (or many thereof).
- (x) Subject to Condition (xi), YOU may directly or indirectly supply THE SUPPORTING SOFTWARE to a THIRD PARTY (or many thereof) only in combination with THE SOFTWARE OUTPUT generated by a copy of THE SOFTWARE PROGRAM for which a PERPETUAL LICENSE FILE has been acquired directly or indirectly from CODALOGIC LTD.
- (xi) Without prior arrangement with CODALOGIC LTD, YOU or any USER or any INTEGRATOR may not directly or indirectly supply THE SOFTWARE OUTPUT or THE SUPPORTING SOFTWARE to a THIRD PARTY in a form that the THIRD PARTY could compile, link, or by some other process incorporate THE SOFTWARE OUTPUT or THE SUPPORTING SOFTWARE into other software items. (Informational note: Subject to the Conditions specified herein, THE SOFTWARE OUTPUT and THE SUPPORTING SOFTWARE may be supplied to a THIRD PARTY in the form of one or more Windows DLL or Linux .so files as long as the corresponding C++ header file - for example the C++ .h file - is NOT supplied to the THIRD PARTY. This is because CODALOGIC LTD takes the position that without the corresponding C++ header file a Windows DLL or Linux .so file is not in a form that it can be incorporated into other software items.)
- (xii) At the discretion of CODALOGIC LTD, a free, time-limited LICENSE FILE may be provided to a USER for the



purpose of extended evaluation. THE SOFTWARE OUTPUT associated with such a free, time-limited LICENSE FILE may not be supplied in any form (e.g. compiled or otherwise) to a THIRD PARTY. The possession of such a free, time-limited LICENSE FILE does not confer any rights to distribute THE SUPPORTING SOFTWARE to a THIRD PARTY.

(xiii) At the discretion of CODALOGIC LTD, a free LICENSE FILE may be provided to a USER who is a member of an academic institution. THE SOFTWARE OUTPUT and THE SUPPORTING SOFTWARE associated with such a free LICENSE FILE may be supplied to an ACADEMIC FUNDING PARTY only for non-commercial training purposes.

(xiv) At the discretion of CODALOGIC LTD, a free LICENSE FILE may be provided to a training provider recognised by CODALOGIC LTD for the temporary use of students attending a training course recognised by CODALOGIC LTD. THE SOFTWARE OUTPUT and THE SUPPORTING SOFTWARE associated with such a free LICENSE FILE may be supplied to an ACADEMIC FUNDING PARTY only for non-commercial training purposes.

Any use of THE SOFTWARE not explicitly permitted by the above Conditions is expressly not permitted, unless separate written agreement has been obtained from CODALOGIC LTD.

A USER may use THE SOFTWARE PROGRAM on any number of machines subject to said machines being solely for the use of said USER.

An INTEGRATOR may use THE SOFTWARE OUTPUT and THE SUPPORTING SOFTWARE without acquiring a LICENSE FILE.

Subject to the above Conditions, THE SOFTWARE OUTPUT and THE SUPPORTING SOFTWARE may be supplied to a THIRD PARTY (or many thereof) royalty-free.

A USER may modify THE SUPPORTING SOFTWARE, but this does not change any restrictions imposed on the allowed uses of THE SUPPORTING SOFTWARE.

THE SOFTWARE PROGRAM is licensed as a single product. Except as otherwise stated, its component parts may not be separated for use by more than one USER.

YOU or any USER must not reverse engineer, decompile, or disassemble THE SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law.

#### Copyright

THE SOFTWARE and its documentation are protected by copyright and other intellectual property laws and treaties. CODALOGIC LTD owns the title, copyright, and other intellectual property rights in THE SOFTWARE, and its documentation. CODALOGIC LTD reserves all rights not expressly granted to you in this agreement. THE SOFTWARE is licensed, not sold.

#### Right to Refund

If YOU decide that THE SOFTWARE is not suitable for your purpose YOU are entitled to a refund of the amount you paid for the first LICENSE FILE, at any time prior to YOU delivering any item that depends on THE SOFTWARE to a THIRD PARTY or within a period of 90 days from the date of order, whichever is the earlier. On determining that THE SOFTWARE is not suitable for your purpose, all copies of THE SOFTWARE associated with a LICENSE FILE for which a refund is being claimed must be destroyed.

#### Termination

Without prejudice to any other rights, CODALOGIC LTD may terminate this AGREEMENT if YOU fail to comply with the Terms and Conditions of this AGREEMENT. In such event, YOU and any USER and any INTEGRATOR must destroy all copies of THE SOFTWARE in your possession.

#### Disclaimer

THE SOFTWARE IS PROVIDED 'AS IS' AND COMES WITH NO WARRANTY OF ANY KIND.

CODALOGIC LTD SHALL NOT BE LIABLE FOR ANY DAMAGES SUFFERED BY ANYONE OR ANYTHING DUE



source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.14. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

## 2. Source Code License

### 2.1. The Initial Developer Grant

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1 (b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

### 2.2. Contributor Grant

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2 (a) and 2.2 (b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

## 3. Distribution Obligations

### 3.1. Application of License

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2.

The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

### 3.2. Availability of Source Code

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to

anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

### 3.3. Description of Modifications

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

### 3.4. Intellectual Property Matters

#### (a) Third Party Claims

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

#### (b) Contributor APIs

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

#### (c) Representations

Contributor represents that, except as disclosed pursuant to Section 3.4 (a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

### 3.5. Required Notices

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

### 3.6. Distribution of Executable Versions

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2.

The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License.

If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor

as a result of any such terms You offer.

### 3.7. Larger Works

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

## 4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

## 5. Trademark Usage

### 5.1. Advertising Materials

All advertising materials mentioning features or use of the Governed Code must display the following acknowledgement: "This product includes software developed by CenterPoint - Connective Software Engineering GmbH."

### 5.2. Endorsements

The names "CenterPoint" and "CenterPoint - Connective Software Engineering GmbH." must not be used to endorse or promote Contributor Versions or Larger Works without the prior written permission of CenterPoint - Connective Software Engineering GmbH.

### 5.3. Product Names

Contributor Versions and Larger Works may not be called "CenterPoint" nor may the word "CenterPoint" appear in their names without prior written permission of CenterPoint - Connective Software Engineering GmbH.

## 6. Versions of the License

### 6.1. New Versions

CenterPoint - Connective Software Engineering GmbH. ("CenterPoint") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

### 6.2. Effect of New Versions

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by CenterPoint. No one other than CenterPoint has the right to modify the terms applicable to Covered Code created under this License.

## 7. DISCLAIMER OF WARRANTY

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

## 8. TERMINATION

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are

properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1 (b) and 2.2 (b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

## 9. LIMITATION OF LIABILITY

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

## 10. U.S. GOVERNMENT END USERS

The Covered Code is a "commercial item", as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation", as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

## 11. MISCELLANEOUS

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This license shall be governed by the Laws of Austria. Disputes shall be settled by an Austrian Court. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

## 12. RESPONSIBILITY FOR CLAIMS

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to



A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

## 2. License Grants.

### 2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

### 2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).



(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

### 3. Distribution Obligations.

#### 3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

#### 3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

#### 3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

#### 3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

#### 3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

#### 3.6. Larger Works.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are

fulfilled for the Covered Software.

#### 4. Versions of the License.

##### 4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

##### 4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

##### 4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

#### 5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

#### 6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent

infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

## 7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

## 8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

## 9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

## 10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

-----  
NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)  
The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern



b. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c. Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d. Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

### 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a. it complies with the terms and conditions of this Agreement; and

b. its license agreement:

i. effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii. effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii. states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv. states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a. it must be made available under this Agreement; and

b. a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party

against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

#### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

#### 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was



with a moving image ("synching") will be considered a Derivative Work for the purpose of this License.

3. "Licensor" means the individual or entity that offers the Work under the terms of this License.

4. "Original Author" means the individual or entity who created the Work.

5. "Work" means the copyrightable work of authorship offered under the terms of this License.

6. "You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

7. "License Elements" means the following high-level license attributes as selected by Licensor and indicated in the title of this License: Attribution, ShareAlike.

2. Fair Use Rights. Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

1. to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;
2. to create and reproduce Derivative Works;
3. to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;
4. to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.
- 5.

For the avoidance of doubt, where the work is a musical composition:

1. Performance Royalties Under Blanket Licenses. Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.

2. Mechanical Rights and Statutory Royalties. Licensor waives the exclusive right to collect, whether individually or via a music rights society or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).

6. Webcasting Rights and Statutory Royalties. For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

1. You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any credit as required by clause 4(c), as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable,



remove from the Derivative Work any credit as required by clause 4(c), as requested.

2. You may distribute, publicly display, publicly perform, or publicly digitally perform a Derivative Work only under the terms of this License, a later version of this License with the same License Elements as this License, or a Creative Commons iCommons license that contains the same License Elements as this License (e.g. Attribution-ShareAlike 2.5 Japan). You must include a copy of, or the Uniform Resource Identifier for, this License or other license specified in the previous sentence with every copy or phonorecord of each Derivative Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Derivative Works that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder, and You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Derivative Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Derivative Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Derivative Work itself to be made subject to the terms of this License.

3. If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or (ii) if the Original Author and/or Licensor designate another party or parties (e.g. a sponsor institute, publishing entity, journal) for attribution in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

## 5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE MATERIALS, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. Termination

1. This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

2. Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

## 8. Miscellaneous

1. Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.



## CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

### 1. Definitions

"Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its entirety in unmodified form, along with a number of other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.

"Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License. For the avoidance of doubt, where the Work is a musical composition or sound recording, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered a Derivative Work for the purpose of this License.

"Licensor" means the individual or entity that offers the Work under the terms of this License.

"Original Author" means the individual or entity who created the Work.

"Work" means the copyrightable work of authorship offered under the terms of this License.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

2. Fair Use Rights. Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

- to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;

- to create and reproduce Derivative Works;

- to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;

- to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.

For the avoidance of doubt, where the work is a musical composition:

- Performance Royalties Under Blanket Licenses. Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.

- Mechanical Rights and Statutory Royalties. Licensor waives the exclusive right to collect, whether individually or via a music rights agency or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).

- Webcasting Rights and Statutory Royalties. For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

- You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this

License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any reference to such Licensor or the Original Author, as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any reference to such Licensor or the Original Author, as requested.

If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and give the Original Author credit reasonable to the medium or means You are utilizing by conveying the name (or pseudonym if applicable) of the Original Author if supplied; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

## 5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

## 8. Miscellaneous

Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You distribute or publicly digitally perform a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or



performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.

"Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined above) for the purposes of this License.

"Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.

"Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.

"Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.

"Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

"Publicly Perform" means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

"Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;

to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";

to Distribute and Publicly Perform the Work including as incorporated in Collections; and,

to Distribute and Publicly Perform Adaptations.

For the avoidance of doubt:

**Non-waivable Compulsory License Schemes.** In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;

**Waivable Compulsory License Schemes.** In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

**Voluntary License Schemes.** The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(b), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(b), as requested.

If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4 (b) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

5. Representations, Warranties and Disclaimer

**UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK,**

EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

## 8. Miscellaneous

Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

### Creative Commons Notice

Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.

Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, Creative Commons does not authorize the use by either party of the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon





Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or a list of source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

1.13. "Cygnus's Branded Code" is code that Cygnus Solutions ("Cygnus") distributes and/or permits others to distribute under different terms than the Cygnus eCos Public License. Cygnus's Branded Code may contain part or all of the Covered Code.

## 2. SOURCE CODE LICENSE.

### 2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Initial Developer, to make, have made, use and sell ("Utilize") the Original Code (or portions thereof), but solely to the extent that any such patent is reasonably

necessary to enable You to Utilize the Original Code (or portions thereof) and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

## 2.2. Contributor Grant.

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code or as part of a Larger Work; and

(b) under patents now or hereafter owned or controlled by Contributor, to Utilize the Contributor Version (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Contributor Version (or portions thereof), and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

## 3. DISTRIBUTION OBLIGATIONS.

### 3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

### 3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available and to the Initial Developer; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party. You are responsible for notifying the Initial Developer of the Modification and the location of the Source if a contact means is provided. Cygnus will be acting as maintainer of

the Source and may provide an Electronic Distribution mechanism for the Modification to be made available. You can contact Cygnus to make the Modification available and to notify the Initial Developer. (<http://sourceware.cygnus.com/ecos>)

### 3.3. Description of Modifications.

You must cause all Covered Code to which you contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

### 3.4. Intellectual Property Matters

#### (a) Third Party Claims.

If You have knowledge that a party claims an intellectual property right in particular functionality or code (or its utilization under this License), you must include a text file with the source code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If you obtain such knowledge after You make Your Modification available as described in Section 3.2, You shall promptly modify the LEGAL file in all copies You make available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

#### (b) Contributor APIs.

If Your Modification is an application programming interface and You own or control patents which are reasonably necessary to implement that API, you must also include this information in the LEGAL file.

### 3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code, and this License in any documentation for the Source Code, where You describe recipients' rights relating to Covered Code. If You created one or more Modification(s), You may add your name as a Contributor to the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then you must include such notice in a location (such as a relevant directory file) where a user would be likely to look for such a notice. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code.

However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty,

support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

### 3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

If you distribute executable versions containing Covered Code, you must reproduce the notice in Exhibit B in the documentation and/or other materials provided with the product.

### 3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

## 4. INABILITY TO COMPLY DUE TO STATUTE OR REGULATION.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; (b) cite the statute or regulation that prohibits you from adhering to the license; and (c) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a

recipient of ordinary skill to be able to understand it. You must submit this LEGAL file to Cygnus for review, and You will not be able use the covered code in any means until permission is granted from Cygnus to allow for the inability to comply due to statute or regulation.

## 5. APPLICATION OF THIS LICENSE.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A, and to related Covered Code.

Cygnus may include Covered Code in products without such additional products becoming subject to the terms of this License, and may license such additional products on different terms from those contained in this License.

Cygnus may license the Source Code of Cygnus's Branded Code without Cygnus's Branded Code becoming subject to the terms of this License, and may license Cygnus's Branded Code on different terms from those contained in this License. Contact Cygnus for details of alternate licensing terms available.

## 6. VERSIONS OF THE LICENSE.

### 6.1. New Versions.

Cygnus may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

### 6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Cygnus. No one other than Cygnus has the right to modify the terms applicable to Covered Code beyond what is granted under this and subsequent Licenses.

### 6.3. Derivative Works.

If you create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), you must (a) rename Your license so that the phrases "ECOS", "eCos", "Cygnus", "CPL" or any confusingly similar phrase do not appear anywhere in your license and (b) otherwise make it clear that your version of the license contains terms which differ from the eCos Public License and Cygnus Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

## 7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED

OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

#### 8. TERMINATION.

This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

#### 9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO YOU OR ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

#### 10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

#### 11. MISCELLANEOUS.

This License represents the complete agreement

concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in, the United States of America: (a) unless otherwise agreed in writing, all disputes relating to this License (excepting any dispute relating to intellectual property rights) shall be subject to final and binding arbitration, with the losing party paying all costs of arbitration; (b) any arbitration relating to this Agreement shall be held in Santa Clara County, California, under the auspices of JAMS/EndDispute; and (c) any litigation relating to this Agreement shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

## 12. RESPONSIBILITY FOR CLAIMS.

Except in cases where another Contributor has failed to comply with Section 3.4, You are responsible for damages arising, directly or indirectly, out of Your utilization of rights under this License, based on the number of copies of Covered Code you made available, the revenues you received from utilizing such rights, and other relevant factors. You agree to work with affected parties to distribute responsibility on an equitable basis.

## 13. ADDITIONAL TERMS APPLICABLE TO THE CYGNUS ECOS PUBLIC LICENSE.

Nothing in this License shall be interpreted to prohibit Cygnus from licensing under different terms than this License any code which Cygnus otherwise would have a right to license.

Cygnus and logo - This License does not grant any rights to use the trademark Cygnus, the Cygnus logo, eCos logo, even if such marks are included in the Original Code. You may contact Cygnus for permission to display the Cygnus and eCos marks in either the documentation or the Executable version beyond that required in Exhibit B.

Inability to Comply Due to Contractual Obligation - To the extent that Cygnus is limited contractually from making third party code available under this License, Cygnus may







Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

## 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a) it must be made available under this Agreement; and
- b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

#### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

#### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

#### 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or



the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

## 0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

## 1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

## 2. No Weakening of GCC Copyleft.



notice placed by the copyright holder saying it can be distributed under the terms of this License. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you".

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (For example, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, whose contents can be viewed and edited directly and straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup has been designed to thwart or discourage subsequent modification by readers is not Transparent. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML designed for human modification. Opaque formats include PostScript, PDF, proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.



## 2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

## 3. COPYING IN QUANTITY

If you publish printed copies of the Document numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a publicly-accessible computer-network location containing a complete Transparent copy of the Document, free of added material, which the general network-using public has access to download anonymously at no charge using public-standard network protocols. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

## 4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
- B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has less than five).
- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- H. Include an unaltered copy of this License.
- I. Preserve the section entitled "History", and its title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
- K. In any section entitled "Acknowledgements" or "Dedications", preserve the section's title, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section as "Endorsements" or to conflict in title with any Invariant Section.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material

copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

## 5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections entitled "History" in the various original documents, forming one section entitled "History"; likewise combine any sections entitled "Acknowledgements", and any sections entitled "Dedications". You must delete all sections entitled "Endorsements."

## 6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in

the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

## 7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, does not as a whole count as a Modified Version of the Document, provided no compilation copyright is claimed for the compilation. Such a compilation is called an "aggregate", and this License does not apply to the other self-contained works thus compiled with the Document, on account of their being thus compiled, if they are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one quarter of the entire aggregate, the Document's Cover Texts may be placed on covers that surround only the Document within the aggregate. Otherwise they must appear on covers around the whole aggregate.

## 8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License provided that you also include the original English version of this License. In case of a disagreement between the translation and the original English version of this License, the original English version will prevail.

## 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

## 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new



Copyright (C) 2000,2001,2002 Free Software Foundation, Inc.  
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA  
Everyone is permitted to copy and distribute verbatim copies  
of this license document, but changing it is not allowed.

## 0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

## 1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other

implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

## 2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

## 3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.



#### 4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
- B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
- C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
- D. Preserve all the copyright notices of the Document.
- E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- H. Include an unaltered copy of this License.
- I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
- K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
- N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

## O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

## 5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

## 6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

## 7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

## 8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

## 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except

as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

## 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See <http://www.gnu.org/copyleft/>.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

### ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.



that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

## GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to

control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.



It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

## NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING

WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## END OF TERMS AND CONDITIONS

### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if



When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

## TERMS AND CONDITIONS

### 0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of

works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

## 1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

## 2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

## 3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to

the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

#### 4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

#### 5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

#### 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
- e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a



typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

## 7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work,

for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

## 8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

#### 9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

#### 10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

## 11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment

to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

#### 12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

#### 13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

#### 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

#### 15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

#### 16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

### END OF TERMS AND CONDITIONS

#### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or

(at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.





that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

"work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

## GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by

this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined

library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any

patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN

WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## END OF TERMS AND CONDITIONS

### How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!





The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

#### 1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

#### 2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

#### 3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.

#### 4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license

document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

## 5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

## 6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new



free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is

analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

## GNU LIBRARY GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the

entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a



derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free

Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

## NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## END OF TERMS AND CONDITIONS

### Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.



including source code, object code and documentation, if any.

"Program" means the Original Program and Contributions or any part thereof

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

- a. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
- b. Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. The patent license granted by a Contributor shall also apply to the combination of the Contribution of that Contributor and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license granted by a Contributor shall not apply to (i) any other combinations which include the Contribution, nor to (ii) Contributions of other Contributors. No hardware per se is licensed hereunder.
- c. Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
- d. Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

## 3. REQUIREMENTS

A. Distributor may choose to distribute the Program in any form under this Agreement or under its own license agreement, provided that:

- it complies with the terms and conditions of this Agreement;
- if the Program is distributed in source code or other tangible form, a copy of this Agreement or Distributor's own license agreement is included with each copy of the Program; and
- if distributed under Distributor's own license agreement, such license agreement:
  - effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  - effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits; and
  - states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party.

B. Each Distributor must include the following in a conspicuous location in the Program:

Copyright (C) <YEAR>, <ORGANIZATION> and others. All Rights Reserved.

C. In addition, each Contributor must identify itself as the originator of its Contribution in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution. Also, each Contributor must agree that the additions and/or changes are intended to be a Contribution. Once a Contribution is contributed, it may not thereafter be revoked.

## 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the

like. While this license is intended to facilitate the commercial use of the Program, the Distributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for Contributors. Therefore, if a Distributor includes the Program in a commercial product offering, such Distributor ("Commercial Distributor") hereby agrees to defend and indemnify every Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Distributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Distributor in writing of such claim, and b) allow the Commercial Distributor to control, and cooperate with the Commercial Distributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Distributor might include the Program in a commercial product offering, Product X. That Distributor is then a Commercial Distributor. If that Commercial Distributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Distributor's responsibility alone. Under this section, the Commercial Distributor would have to defend claims against the Contributors related to those performance claims and warranties, and if a court requires any Contributor to pay any damages as a result, the Commercial Distributor must pay those damages.

## 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

## 6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## 7. EXPORT CONTROL

Recipient agrees that Recipient alone is responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries).

## 8. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.





"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Open Source" programs mean software for the source code is available without confidential or trade secret restrictions and for which the source code and object code are available for distribution without license charges.

"Metro Link Program" means the original version of the software accompanying this Agreement as released by METRO LINK, including source code, object code and documentation, if any.

"Program" means the Metro Link Program and Contributions.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

## 2. GRANT OF RIGHTS

The rights granted under this license are limited solely to distribution and sublicensing of the Contribution(s) on, with or for operating systems which are themselves Open Source programs.

a. Subject to the terms of this Agreement, The Open Group Public License Agreement attached hereto ("The Open Group Agreement") and the limitations of this Section 2, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b. Subject to the terms of this Agreement, The Open Group Agreement and this Section 2, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c. Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d. Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

## 3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a. it complies with the terms and conditions of this Agreement and The Open Group Agreement; and

b. its license agreement:

1. effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

2. effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

3. states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

4. states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

- a. it must be made available under this Agreement and the Open Group Agreement; and
- b. a copy of this Agreement must be included with each copy of the Program.

Each Contributor must include the following in a conspicuous location in the Program:

Copyright (C) May, 2000 The Open Group, Metro Link, Incorporated and others. All Rights Reserved

In addition, each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

#### 4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must:

- a) promptly notify the Commercial Contributor in writing of such claim, and
- b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations.

The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

#### 5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.



MOZILLA PUBLIC LICENSE  
Version 1.1

-----

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

## 2. Source Code License.

### 2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

### 2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

### 3. Distribution Obligations.

#### 3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

#### 3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the

Electronic Distribution Mechanism is maintained by a third party.

### 3.3. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

### 3.4. Intellectual Property Matters

#### (a) Third Party Claims.

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

#### (b) Contributor APIs.

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

#### (c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

### 3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is

offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

### 3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

### 3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

## 4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

## 5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

## 6. Versions of the License.

### 6.1. New Versions.

Netscape Communications Corporation ("Netscape") may publish revised



and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

### 6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

### 6.3. Derivative Works.

If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

## 7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

## 8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License

shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

## 9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

## 10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48

C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

## 11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

## 12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

## 13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the NPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

## EXHIBIT A -Mozilla Public License.

``The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.mozilla.org/MPL/>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is \_\_\_\_\_.



(b) that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

## 2. License Grants and Conditions

---

### 2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

- (a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and
- (b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

### 2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

### 2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

- (a) for any code that a Contributor has removed from Covered Software; or
- (b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or
- (c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

### 2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

### 2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

## 2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

## 2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

## 3. Responsibilities

-----

### 3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

### 3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

- (a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and
- (b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

### 3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

### 3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

### 3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

## 4. Inability to Comply Due to Statute or Regulation

-----

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

## 5. Termination

-----

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section



2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

```

*****
*
*
* 6. Disclaimer of Warranty
* -----
*
* Covered Software is provided under this License on an "as is"
* basis, without warranty of any kind, either expressed, implied, or
* statutory, including, without limitation, warranties that the
* Covered Software is free of defects, merchantable, fit for a
* particular purpose or non-infringing. The entire risk as to the
* quality and performance of the Covered Software is with You.
* Should any Covered Software prove defective in any respect, You
* (not any Contributor) assume the cost of any necessary servicing,
* repair, or correction. This disclaimer of warranty constitutes an
* essential part of this License. No use of any Covered Software is
* authorized under this License except under this disclaimer.
*
*****

```

```

*****
*
*
* 7. Limitation of Liability
* -----
*
* Under no circumstances and under no legal theory, whether tort
* (including negligence), contract, or otherwise, shall any
* Contributor, or anyone who distributes Covered Software as
* permitted above, be liable to You for any direct, indirect,
* special, incidental, or consequential damages of any character
* including, without limitation, damages for lost profits, loss of
* goodwill, work stoppage, computer failure or malfunction, or any
* and all other commercial damages or losses, even if such party
* shall have been informed of the possibility of such damages. This
* limitation of liability shall not apply to liability for death or
* personal injury resulting from such party's negligence to the
* extent applicable law prohibits such limitation. Some
* jurisdictions do not allow the exclusion or limitation of
* incidental or consequential damages, so this exclusion and
* limitation may not apply to You.
*
*****

```

## 8. Litigation

-----

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions.

Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

## 9. Miscellaneous

-----

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

## 10. Versions of the License

-----

### 10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

### 10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

### 10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

### 10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

#### Exhibit A - Source Code Form License Notice

-----

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.



|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.2   | 2.1.1 | 2001      | PSF | yes |
| 2.1.2 | 2.1.1 | 2002      | PSF | yes |
| 2.1.3 | 2.1.2 | 2002      | PSF | yes |
| 2.2.1 | 2.2   | 2002      | PSF | yes |
| 2.2.2 | 2.2.1 | 2002      | PSF | yes |
| 2.2.3 | 2.2.2 | 2003      | PSF | yes |
| 2.3   | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3   | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.5   | 2.4   | 2006      | PSF | yes |
| 2.7   | 2.6   | 2010      | PSF | yes |

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

=====

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

-----

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version

prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

## BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

-----

### BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND

DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at <http://www.pythonlabs.com/logos.html> may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

#### CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

-----

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: <http://hdl.handle.net/1895.22/1013>".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

-----  
Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch





## Warranties and Disclaimers.

This publication and/or website may include technical or typographical errors or other inaccuracies . Changes are periodically added to the information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.

If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.

EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

Waiver of Damages. In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

## Trademarks & Logos.

The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. "The Unicode Consortium" and "Unicode, Inc." are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.'s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.

The Unicode Consortium Name and Trademark Usage Policy ("Trademark Policy") are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.

All third party trademarks referenced herein are the property of their respective owners.

## Miscellaneous.

Jurisdiction and Venue. This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.

Modification by Unicode Unicode shall have the right to modify this Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicode's prior written consent.

Taxes. The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicode's net income.

Severability. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in effect.

Entire Agreement. This Agreement constitutes the entire agreement between the parties.

## EXHIBIT 1

### UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories  
<http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>,  
<http://www.unicode.org/cldr/data/>, <http://source.icu-project.org/repos/icu/>, and  
<http://www.unicode.org/utility/trac/browser/>.

Unicode Data Files do not include PDF online code charts under the directory <http://www.unicode.org/Public/>.

Software includes any source code published in the Unicode Standard or under the directories  
<http://www.unicode.org/Public/>, <http://www.unicode.org/reports/>,

<http://www.unicode.org/cldr/data/>, <http://source.icu-project.org/repos/icu/>, and <http://www.unicode.org/utility/trac/browser/>.

NOTICE TO USER: Carefully read the following legal agreement.  
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),  
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT.  
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

#### COPYRIGHT AND PERMISSION NOTICE

Copyright © 1991-2017 Unicode, Inc. All rights reserved.  
Distributed under the Terms of Use in <http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either  
(a) this copyright and permission notice appear with all copies of the Data Files or Software, or  
(b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.  
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

