

This document contains an open source software notice for this product. The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product.

#### **Warranty Disclaimer**

THE OPEN SOURCE SOFTWARE IN THIS PRODUCT 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 APPLICABLE LICENSES FOR MORE DETAILS.

#### **Copyright Notices and License Texts**

Software: Android - platform - external - iptables 6.0.0\_r1

Copyright notice:

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (c) 2003-2013 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright Google, Inc. 2013

Copyright © Jan Engelhardt, 2011

Copyright (C) 2000-2002 Joakim Axelsson <gozem@linux.nu>

Copyright (C) 2003-2011 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright © CC Computer Consultants GmbH, 2007 – 2008 Jan Engelhardt jengelh@computergmbh.de

GPL (C) 2001 Marc Boucher (marc@mbsi.ca).

Copyright © CC Computer Consultants GmbH, 2007 Contact: Jan Engelhardt <jengelh@computergmbh.de>

Copyright (c) 2003+ Evgeniy Polyakov <zbr@ioremap.net>

Copyright (C) 2002-2008 BalaBit IT Ltd.

Copyright (c) 2011 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (C) 2003-2010 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright (c) 2000 Marc Boucher

Copyright (C) 2007 BalaBit IT Ltd.

Copyright (C) 2006 Red Hat, Inc., James Morris < jmorris@redhat.com>

Copyright (C) 2000 Emmanuel Roger <winfield@freegates.be>

Copyright (C)2006 USAGI/WIDE Project

Copyright (c) 2007 Sven Schnelle <svens@bitebene.org>

Copyright (C) 2010 Nokia Corporation. All rights reserved.

Copyright (c) 2009 Mike Frysinger <vapier@gentoo.org>

Copyright (c) 2009 Steven G. Johnson <stevenj@alum.mit.edu>

Copyright (c) 2009 Matteo Frigo

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,

Copyright (C) 2002,2004 MARA Systems AB <a href="http://www.marasystems.com">http://www.marasystems.com</a>

Copyright (c) 2003+ Evgeniy Polyakov <johnpol@2ka.mxt.ru>

Copyright (C) 2004, 2010 Nokia Corporation

Copyright (c) 2000-2001 Netfilter Core Team

2016-05-06 HUAWEI Confidential Page 1, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (c) 2005 Evgeniy Polyakov <johnpol@2ka.mxt.ru>

(C) Copyright 2000-2003 by Michal Zalewski <lcamtuf@coredump.cx>

(C) Copyright 2003 by Mike Frantzen <frantzen@w4g.org>

Copyright © Martin F. Krafft <madduck@madduck.net>

Copyright 2006 UfoMechanic

Copyright (c) 2000-2001 Netfilter Core Team.

Copyright (c) 2000 Netfilter Core Team

Copyright © Sebastian Claßen <sebastian.classen [at] freenet.ag>, 2007 Jan Engelhardt <jengelh [at] medozas de>, 2007 - 2010

License: GNU General Public License 2.0

**GNU General Public License 2.0** 

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.

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, 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 software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. 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.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

2016-05-06 HUAWEI Confidential Page2, Total61

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, 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 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.

2016-05-06 HUAWEI Confidential Page3, Total61



- 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 Section 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.)

2016-05-06 HUAWEI Confidential Page4, Total61

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

2016-05-06 HUAWEI Confidential Page5, Total61



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

2016-05-06 HUAWEI Confidential Page6, Total61



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

Appendix: 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.

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., 59 Temple Place - Suite 330, Boston, MA 02111-1307, 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) 19yy 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.

2016-05-06 HUAWEI Confidential Page7, Total61

## HILANAGE

#### OPEN SOURCE SOFTWARE NOTICE

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 necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice

This 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 Library General Public License instead of this License.

Software: Android - platform - external -iproute2 6.0.0\_r1

#### **Copyright notice:**

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Taken from the uncopyrighted NISTnet code (public domain).

Taken from the uncopyrighted NISTnet code.

Copyright (C) 2007 The Android Open Source Project

Copyright (C)2006 USAGI/WIDE Project

Copyright (C)2004 USAGI/WIDE Project

Copyright (C)2005 USAGI/WIDE Project

Copyright (C)2007 USAGI/WIDE Project

Copyright (C) 1999-2000 Maxim Krasnyansky <max\_mk@yahoo.com>

Copyright (c) 2008, Intel Corporation.

Copyright (C)2007 USAGI/WIDE Project, All Rights Reserved.

Copyright (c) 2009 Wolfgang Grandegger < wg@grandegger.com>

Copyright (c) 1982, 1986, 1993 The Regents of the University of California. All rights reserved.

Copyright (C) 1999 Pavel Golubev <pg@ksi-linux.com>

Copyright (C) 2001-2004 Lubomir Bulej <pallas@kadan.cz>

copyright~1999 A.N.Kuznetsov

Copyright (C) 2004 by Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

Copyright 2001 by Robert Olsson robert.olsson@its.uu.se

License: GNU General Public License 2.0

Please see above.

2016-05-06 HUAWEI Confidential Page8, Total61



#### Software: netfilter

#### **Copyright notice:**

(C) 2001 Marc Boucher (marc@mbsi.ca).

(C) 2006-2012 Patrick McHardy <kaber@trash.net>

Copyright © Sebastian Cla & 2007 Jan Engelhardt, 2007-2010

Copyright © CC Computer Consultants GmbH, 2007 - 2008

Copyright (C) 2004, 2010 Nokia Corporation

Copyright (C) 2003-2011 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright (C) 2003-2013 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright (C) 2011-2013 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright (C) 2000-2002 Joakim Axelsson <gozem@linux.nu>

Copyright (C) 2013 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright (C) 2008-2013 Jozsef Kadlecsik <kadlec@blackhole.kfki.hu>

Copyright (C) 2006-2006 Harald Welte <a href="mailto:laforge@netfilter.org">laforge@netfilter.org</a>

Copyright (C) 2006-2012 Patrick McHardy <kaber@trash.net>

Copyright (C) 1999 Paul `Rusty' Russell & Michael J. Neuling

Copyright (C) 2000-2005 Netfilter Core Team <coreteam@netfilter.org>

Copyright (C) 2000 Marc Boucher <marc@mbsi.ca>

Copyright (C) 2007 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>>

Copyright (c) 2006 Jing Min Zhao <zhaojingmin@users.sourceforge.net>

Copyright (C) 2007-2008 BalaBit IT Ltd.

Copyright (c) 2006-2010 BalaBit IT Ltd.

Copyright (C) 2007 Sven Schnelle <svens@bitebene.org>

Copyright © CC Computer Consultants GmbH, 2007

Copyright (c) 2006 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (C) 2007 Red Hat, Inc.

Copyright (c) 2010 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2008 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2011 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>>

Copyright (c) 2015, The Linux Foundation. All rights reserved.

Copyright 2013 Google Inc.

Copyright (C) 2004 Rusty Russell IBM Corporation

Copyright (C) 2007 Netfilter Core Team < coreteam@netfilter.org>

Copyright (C) 2007 USAGI/WIDE Project <a href="http://www.linux-ipv6.org">http://www.linux-ipv6.org</a>

Copyright (c) 2003+ Evgeniy Polyakov <zbr@ioremap.net>

Copyright (c) 2005, 2006, 2008 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (C) 2002,2004 MARA Systems AB <a href="http://www.marasystems.com">http://www.marasystems.com</a>

Copyright (c) 2004 Patrick McHardy <kaber@trash.net>

Copyright (c) 2006 by Jing Min Zhao <zhaojingmin@users.sourceforge.net>

Copyright (c) 2004 Kiran Kumar Immidi <immidi\_kiran@yahoo.com>

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (c) 2004-2012 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2006-2007 BalaBit IT Ltd.

Copyright (c) 2006-2007 BalaBit IT Ltd

Copyright (C) 2008 Adam Nielsen <a.nielsen@shikadi.net>

Copyright (c) 2004,2005 Patrick McHardy, <kaber@trash.net>

Copyright 2002-2003, Stephen Frost, 2.5.x port by laforge@netfilter.org

Copyright (C) 2001-2002 Antefacto Ltd, 181 Parnell St, Dublin 1, Ireland.

Copyright (C) 2003-2010 Julian Anastasov

Copyright (c) 2014-2015, The Linux Foundation. All rights reserved.

License: GPL V2.0

Please see above.

Software: linux kernel network stack

#### **Copyright notice:**

(C) 2006-2008 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2005-2006 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

2004-08-06 Harald Welte <a href="mailto:slaferge@gnumonks.org">laferge@gnumonks.org</a>

copyright 2004 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

Copyright (c) 2007 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (C) 2006 Harald Welte <a href="mailto:claforge@openezx.org">claforge@openezx.org</a>

Copyright (c) 2010 Intel Corporation

Copyright (C) 2006-2012 Robert Gerlach < khnz@gmx.de>

Copyright (C) 2005-2006 Jan Rychter < jan@rychter.com>

Copyright (c) 2009-2010 Intel Corporation

Copyright(C) 2010 Red Hat.

(C)Copyright 2008-2010 Intel Corporation

Copyright (C) IBM Corporation, 2010

Copyright (c) 2009 Herton Ronaldo Krzesinski <herton@mandriva.com.br>

Copyright (C) 2009 Paul Fox <pgf@laptop.org>

Copyright (C) 2010 One Laptop per Child

Copyright (C) 2009 Jes Sorensen < Jes. Sorensen@gmail.com>

Copyright (C) 2008 Intel Corp

Copyright (C) 2008 Sujith Thomas <sujith.thomas@intel.com>

Copyright (C) 2008 Zhang Rui <rui.zhang@intel.com>

Copyright (C) 2007-2008 Yan Burman

Copyright (C) 2008 Eric Piel

Copyright (C) 2008-2009 Pavel Machek

Copyright (C) 2009,2011 Greg Kroah-Hartman (gregkh@suse.de)

Copyright (C) 2009,2011 Novell Inc.

Copyright (C) Canonical Ltd. <seth.forshee@canonical.com>

Copyright (C) 2010-2012 Andreas Heider <andreas@meetr.de>

Copyright (C) 2008 Red Hat <mjg@redhat.com>

2016-05-06 HUAWEI Confidential Page 10, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 2005 Miloslav Trmac <mitr@volny.cz>

Copyright (C) 2005 Bernhard Rosenkraenzer <br/> <br/>bero@arklinux.org>

Copyright (C) 2005 Dmitry Torokhov <dtor@mail.ru>

Copyright(C) 2010 Intel Corporation.

Copyright(C) 2010-2011 Corentin Chary < corentin.chary@gmail.com>

Copyright (C) 2002-2004 John Belmonte

Copyright (C) 2008 Philip Langdale

Copyright (C) 2010 Pierre Ducroquet

Copyright 2011 Ben Hutchings.

Copyright 2005 Alejandro Vidal Mata & Javier Vidal Mata.

Copyright 2006 Martin Večeřa.

Copyright (C) 2006 Lennart Poettering <mzxreary (at) Opointer (dot) de>

Copyright (C) 2012 Google, Inc.

Copyright (C) 2005 Robert Love <rml@novell.com>

Copyright (C) 2005 Jesper Juhl < jj@chaosbits.net>

Copyright (C) 2011 Intel Corporation

Copyright (C) 2013 Fujitsu.

Copyright (C) 2002-2005 Julien Lerouge, 2003-2006 Karol Kozimor

Copyright (C) 2006-2007 Corentin Chary

Copyright (C) 2011 Wind River Systems

Copyright (C) 2007,2008 Jonathan Woithe <jwoithe@just42.net>

Copyright (C) 2008 Peter Gruber <nokos@gmx.net>

Copyright (C) 2008 Tony Vroon <tony@linx.net>

Copyright (C) 2003 Shane Spencer <shane@bogomip.com>

Copyright (C) 2004-2005 Borislav Deianov <br/> <br/> Vorislav@users.sf.net>

Copyright (C) 2006-2009 Henrique de Moraes Holschuh <hmh@hmh.eng.br>

Copyright © 2010 Intel Corporation

Copyright © 2010 David Woodhouse <dwmw2@infradead.org>

Copyright (C) 2010, 2011 Anssi Hannula <anssi.hannula@iki.fi>

Copyright(C) 2010 Corentin Chary < corentin.chary@gmail.com>

Copyright (C) 2007-2008 Carlos Corbacho < carlos@strangeworlds.co.uk>

Copyright (C) 2001,2002 Richard Russon < ldm@flatcap.org>

Copyright (c) 2001-2007 Anton Altaparmakov

Copyright (C) 2001,2002 Jakob Kemi < jakob.kemi@telia.com>

Copyright (c) Red Hat <mjg@redhat.com>

Copyright (C) 2005 Dell

Copyright (C) 2005-2007 E.M. Smith

Copyright (C) 2007-2008 Carlos Corbacho <cathectic@gmail.com>

Copyright (C) 2010 Intel Corp

Copyright (C) 2008 Cezary Jackiewicz <cezary.jackiewicz (at) gmail.com>

Copyright (C) 2009 Thadeu Lima de Souza Cascardo <a cascardo @holoscopio.com>

Copyright (C) 2009 Novell <trenn@suse.de>



Copyright (C) 2010-2011 Intel Corporation

Copyright (C) 2008 Cezary Jackiewicz

Copyright (c) 2008 - 2009, Intel Corporation.

Copyright (C) 2004-2005 Stelian Pop <stelian@popies.net>

Copyright (C) 2007-2009 Mattia Dongili <malattia@linux.it>

which areCopyrighted by their respective authors.

Copyright (C) 2001-2005 Stelian Pop <stelian@popies.net>

Copyright (C) 2005 Narayanan R S < nars@kadamba.org>

Copyright (C) 2001-2002 Alc ôve <www.alcove.com>

Copyright (C) 2001 Michael Ashley <m.ashley@unsw.edu.au>

Copyright (C) 2001 Junichi Morita < jun1m@mars.dti.ne.jp>

Copyright (C) 2000 Takaya Kinjo <t-kinjo@tc4.so-net.ne.jp>

Copyright (C) 2000 Andrew Tridgell <tridge@valinux.com>

Copyright (C) 2007 Carlos Corbacho <carlos@strangeworlds.co.uk>

Copyright (C) 2004 Jamey Hicks < jamey.hicks@hp.com>

Copyright (C) 2001, 2002 Andy Grover <andrew.grover@intel.com>

Copyright (C) 2001, 2002 Paul Diefenbaugh <paul.s.diefenbaugh@intel.com>

Copyright (c) 2011 Frederick van der Wyck <fvanderwyck@gmail.com>

Copyright (C) 2007 Google, Inc.

Copyright (C) 2011 Intel, Inc.

Copyright (C) 2013 Intel, Inc.

Copyright (C) 2011 Google, Inc.

Copyright (C) 2012 Intel, Inc.

Copyright (c) 2014, The Linux Foundation. All rights reserved.

Copyright (c) 2013, The Linux Foundation. All rights reserved.

Copyright (c) 2014-2015, The Linux Foundation. All rights reserved.

Copyright (c) 2012-2015, The Linux Foundation. All rights reserved.

Copyright (c) 2011-2015, The Linux Foundation. All rights reserved.

Copyright (c) 2010-2014, Linux Foundation. All rights reserved.

Copyright (c) 2014 The Linux Foundation. All rights reserved.

Copyright (c) 2011-2014, The Linux Foundation. All rights reserved.

Copyright (c) 2010-2014, The Linux Foundation. All rights reserved.

Copyright (c) 2010-2012, 2014-2015, The Linux Foundation. All rights

Copyright (c) 2013-2014, The Linux Foundation. All rights reserved.

Copyright (c) 2012-2014, The Linux Foundation. All rights reserved.

Copyright (c) 2015, The Linux Foundation. All rights reserved.

Copyright (c) 2012-2013, The Linux Foundation. All rights reserved.

Copyright (c) 2014-2015, Linux Foundation. All rights reserved.

Copyright (c) 2013-2015, The Linux Foundation. All rights reserved.

Copyright (c) 2009-2013, The Linux Foundation. All rights reserved.

Copyright (c) 2010, Google Inc.

Copyright (c) 2011-2013, 2015, The Linux Foundation. All rights reserved.

2016-05-06 HUAWEI Confidential Page 12, Total 61

# HILAME

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (c) 2011-2013, The Linux Foundation. All rights reserved.

Copyright (c) 2011,2013, The Linux Foundation. All rights reserved.

Copyright (c) 2011, 2013, 2015, The Linux Foundation. All rights reserved.

Copyright (c) 2011-2014 The Linux Foundation. All rights reserved.

Copyright (c) 2010-2015, The Linux Foundation. All rights reserved.

Copyright (C) 2011-2012 One Laptop per Child Foundation.

**License:** GPL V2.0 Please see above.

**Software:** BusyBox **Copyright notice:** 

(C) 2006-2008 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2005-2006 Harald Welte laforge@gnumonks.org

2004-08-06 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

Copyright (c) 2007 Patrick McHardy kaber@trash.net

Copyright (C) 2006 Harald Welte <a href="mailto:claforge@openezx.org">claforge@openezx.org</a>

Copyright 2002 Christer Weingel <wingel@nano-system.com>

(c)Copyright 2000 Jakob Oestergaard <jakob@ostenfeld.dk>

Copyright (C) 2012, Intel Corporation

Copyright (C) 2008 Koninklijke Philips Electronics NV.

Copyright 2004-2008 Analog Devices Inc.

Copyright 2007-2009 Analog Devices Inc.

Copyright (c) 2010, Red Hat. All rights reserved.

Copyright 2001 Free Software Foundation, Inc.

Copyright 1998 Free Software Foundation, Inc.

Copyright (C) 2003 Manuel Estrada Sainz

Some code taken from ramfs which isCopyright (C) 2000 Linus Torvalds

Copyright (C) 2001, 2002, 2003 Patrick Mochel

Copyright (C) 2005 Oracle. All rights reserved.

Copyright (c) 2005 Oracle Corporation,

Copyright 2009 Jonathan Corbet <corbet@lwn.net>

Copyright 2003 Jonathan Corbet <corbet@lwn.net>

Copyright 2006 Rob Landley <rob@landley.net> and TimeSys Corporation.

Copyright (C) 1999 Richard Gooch

Copyright (C) 2005 Pekka Enberg

Copyright 2000,2001 Jeff Garzik <jgarzik@pobox.com>

Copyright 2000,2001 Philipp Rumpf cprumpf@mandrakesoft.com

Copyright (c) 2000 Matt Sottek <msottek@quiknet.com>

Copyright (c) 2007 MontaVista Software, Inc.

Copyright (c) 2007 Anton Vorontsov <a vorontsov@ru.mvista.com>

Copyright 2010 Nicolas Palix <npalix@diku.dk>

Copyright 2010 Julia Lawall <julia@diku.dk>

2016-05-06 HUAWEI Confidential Page 13, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright 2010 Gilles Muller < Gilles. Muller @lip6.fr>

Copyright (c) 2010-2011 Rafael J. Wysocki <rjw@sisk.pl>, Novell Inc.

Copyright (c) 2010 Alan Stern < stern@rowland.harvard.edu>

Copyright (c) 2010 Rafael J. Wysocki <rjw@sisk.pl>, Novell Inc.

Copyright (C) 1997-1998 Richard Gooch

Copyright (C) 2009 Google, Inc.

Copyright (c) 2003-2005 Chelsio Communications. All rights reserved.

Copyright 1994-1996 Donald Becker

Copyright (c) 2003-2006 QLogic Corporation

Copyright 2009 Simon Arlott

Copyright (C) 2004-2006, Intel Corporation

Copyright(c) 2003 - 2006 Intel Corporation. All rights reserved.

Copyright (c) 2008, Jouni Malinen <j@w1.fi>

Copyright 1996 Erik Stahlman

Copyright (C) 1999-2000 Maxim Krasnyansky <max\_mk@yahoo.com>

Copyright (c) 1999-2000 Maksim Yevmenkin <m\_evmenkin@yahoo.com>

Copyright (C) 2009 Intel Corporation.

Copyright (C) 2008 Nokia Corporation.

Copyright(c) 1999 - 2010 Intel Corporation.

Copyright (C) 2003-2006, Intel Corporation

Copyright (c) 2009-2013 QLogic Corporation

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

copyright (C) ST-Ericsson AB 2010

Copyright (c) 1998 Corey Thomas (corey@world.std.com)

Copyright (c) 2003-2011 QLogic Corporation

Copyright (C) 2007-2013 STMicroelectronics Ltd

(C)Copyright 1998-2000 SysKonnect,

Copyright 2008 Simtec Electronics,

Copyright (c) 2004+ Evgeniy Polyakov <zbr@ioremap.net>

2004+Copyright (c) Evgeniy Polyakov <zbr@ioremap.net>

Copyright 2009 Red Hat Inc.

Copyright (c) IBM Corporation 2009

Copyright 2008 Red Hat Inc.

Copyright (C) 1996, Paul Gortmaker.

Copyright (C) 2009 Red Hat, Matthew Garrett <mjg@redhat.com>

Copyright (C) 2009 Hewlett-Packard Development Company, L.P.

Copyright 2006, 2007 Simtec Electronics

Copyright (C) 2004 BULL SA.

Copyright (c) 2004-2006 Silicon Graphics, Inc.

Copyright (C) 1992 Dana L. How

Copyright (c) 2010 Rising Tide Systems

Copyright (c) 2010 Linux-iSCSI.org

#### OPEN SOURCE SOFTWARE NOTICE

Copyright 2007 Simtec Electronics

Copyright 2004-2006 Simtec Electronics

Copyright 2004 Simtec Electronics

Copyright 2006 Simtec Electronics

Copyright 2009 Simtec Electronics

Copyright 2005 Simtec Electronics

Copyright 2004 Ben Dooks, Simtec Electronics

Copyright (c) 2007 Ben Dooks, Simtec Electronics

Copyright (C) 2010 Simon Horman

Copyright 2009-2010 Ben Dooks <br/> <br/>ben-linux@fluff.org>

Copyright 2010 Ben Dooks <br/> <br/>ben-linux@fluff.org>

Copyright (C) 2012-2013 Linaro Limited

Copyright (C) Shailabh Nagar, IBM Corp. 2005

Copyright (C) Balbir Singh, IBM Corp. 2006

Copyright (c) Jay Lan, SGI. 2006

Copyright (C) 2009 Mauro Carvalho Chehab <mchehab@infradead.org&gt;

Copyright (c) 2002-2005 Takashi Iwai <email>tiwai@suse.de</email>

Copyright 2002, Phil Karn, KA9Q

(C)Copyright 2007 Rodolfo Giometti <giometti@enneenne.com>

Copyright 2003 Free Software Foundation, Inc.

Copyright (C) 2000-2001 IBM Deutschland Entwicklung GmbH, IBM Corporation

Copyright, IBM Corp. 1999-2002

Copyright (C) 2012 Samsung Electronics

Copyright (c) 2012 Samsung Electronics Co., Ltd(http://www.samsung.com)

Copyright (c) 2008 Intel Corporation

Copyright (C) 2009 Intel Corporation

Copyright 2004 Intel Corporation

Copyright 2003, 2008 Intel Corporation

Copyright (C) Intel Corporation 2006.

Copyright (C) 2001-2004 Stelian Pop <stelian@popies.net>

Copyright (C) 2001-2002 Alc ôve <www.alcove.com>

Copyright (C) 2001 Michael Ashley <m.ashley@unsw.edu.au>

Copyright (C) 2001 Junichi Morita <jun1m@mars.dti.ne.jp>

Copyright (C) 2000 Takaya Kinjo <t-kinjo@tc4.so-net.ne.jp>

Copyright (C) 2000 Andrew Tridgell <tridge@samba.org>

Copyright 2008 Eric Piel

Copyright 2009 Pavel Machek <pavel@ucw.cz>

Copyright (C) 2004- 2005 Stelian Pop <stelian@popies.net>

Copyright (C) 2007 Mattia Dongili <malattia@linux.it>

Copyright (C) 2010 OMICRON electronics GmbH

Copyright (C) 2012 Samsung Electronics Co., Ltd.

Copyright (C) 2004-2007 by Luca Risolia < luca.risolia@studio.unibo.it>

2016-05-06 HUAWEI Confidential Page 15, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 1999 Dave Forrest <drf5n@virginia.edu>

Copyright (c) 2009 Tobias Lorenz <tobias.lorenz@gmx.net>

Copyright (C) 2010 Nokia Corporation

Copyright (C) 2009 Texas Instruments, Inc.

Copyright (C) 2013 Andrey Smirnov <andrew.smirnov@gmail.com>

Copyright (c) 2009 Nokia Corporation

Copyright (c) Mauro Carvalho Chehab <mchehab@infradead.org>

Copyright(c) 2012 Intel Corporation. All rights reserved.

Copyright(c) 2003 - 2012 Intel Corporation. All rights reserved.

Copyright(c) 2011 Integrated Device Technology, Inc. All rights reserved.

Copyright (C) 2005 Stelian Pop < stelian@popies.net>

Copyright (C) 2008-2009 Henrik Rydberg <rydberg@euromail.se>

Copyright (C) 2008 Scott Shawcroft (scott.shawcroft@gmail.com)

Copyright (C) 2001-2004 Greg Kroah-Hartman (greg@kroah.com)

Copyright (C) 2005 Johannes Berg (johannes@sipsolutions.net)

Copyright (C) 2005 Stelian Pop (stelian@popies.net)

Copyright (C) 2005 Frank Arnold (frank@scirocco-5v-turbo.de)

Copyright (C) 2005 Peter Osterlund (petero2@telia.com)

Copyright (C) 2005 Michael Hanselmann (linux-kernel@hansmi.ch)

Copyright (C) 2006 Nicolas Boichat (nicolas@boichat.ch)

Copyright (c) 2008-2010 Rafi Rubin <rafi@seas.upenn.edu>

Copyright (c) 2009-2010 Stephane Chatty

Copyright (C) 2002-2011 Sentelic Corporation.

Copyright (C) 2009-2010 Henrik Rydberg < rydberg@euromail.se>

Copyright (C) 2007-2008 Arjan Opmeer <arjan@opmeer.net>

distributed (andCopyrighted) by the manufacturer. To load this

Copyright 1998-2001 by Leonard N. Zubkoff < lnz@dandelion.com>

Copyright 1998-1999 by Leonard N. Zubkoff <lnz@dandelion.com>

(c)Copyright 2012 Samsung Electronics

Copyright (c) 2011 Andy Lutomirski

Copyright (c) 2006 Steven Rostedt

Copyright 1999 Jeff Garzik < jgarzik @pobox.com>

Copyright (c) 2003 Digigram SA <alsa@digigram.com>

Copyright (c) 1998,1999 by Takashi Iwai

Copyright (C) 1998 Andrew Veliath

Copyright (C) 2004 IBM Corporation

Copyright (C) Secret Lab Technologies Ltd.

Copyright (C) 1999 Colin J. Watson <cjw44@cam.ac.uk>.

Copyright (c) 2003-2005 AMD, Personal Connectivity Solutions

Copyright 2004 Linus Torvalds

Copyright 2004 Pavel Machek <pavel@ucw.cz>

Copyright 2006 Bob Copeland <me@bobcopeland.com>

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 1997 Roger Wolff (R.E.Wolff@BitWizard.nl)

Copyright (C) 1994-1999, Stallion Technologies.

Copyright (C) 2008, Moxa Inc.

Copyright (C) 2011 Carsten Emde < C.Emde@osadl.org>

Copyright (C) 2012 Carsten Emde < C.Emde@osadl.org>

Copyright (C) 2013 Carsten Emde < C.Emde@osadl.org>

Copyright (C) 2006 Intel Co

(c)Copyright 2007 Hewlett-Packard Development Company, L.P.

Copyright (c) 2003-2012 QLogic Corporation

Copyright 1993-1999 Jürgen Fischer <fischer@norbit.de>

Copyright (c) 2003 Adaptec Inc. 691 S. Milpitas Blvd., Milpitas CA 95035 USA.

Copyright (C) 2006-2012 HighPoint Technologies, Inc. All Rights Reserved.

Copyright 1995-1996 by Mylex Corporation

Copyright (c) 2003-2013 QLogic Corporation

Copyright (C) Miguel Ojeda Sandonis

Copyright (C) 1999, 2000 Bruce Tenison

Copyright (C) 1999, 2000 David Nelson

Copyright (c) 2000 Microsoft Corporation

Copyright (c) 2007 Microchip Technology Inc.

Copyright (c) Microsoft Corporation

Copyright (C) 2004 by Al Borchers (alborchers@steinerpoint.com).

Copyright (C) 2007 Craig W. Nadler < craig@nadler.us>

Copyright (C) 2008-2011 Freescale Semiconductor Inc.

Copyright (C) 2009 Freescale Semiconductor Inc.

Copyright (C) 2010,2011 Freescale Semiconductor Inc.

Copyright 2013 Freescale Semiconductor Inc.

Copyright 2011 Freescale Semiconductor Inc.

Copyright (c) 1999-2013 Intel Corporation.

Copyright (c) 2007-2013 Intel Corporation.

Copyright (C) 2000 Manfred Spraul

Copyright (C) 2001 Manfred Spraul

(C)Copyright 1995 by Geert Uytterhoeven

**License:** GPL V2.0 Please see above.

Software: Linux Kernel 3.10.84

### Copyright notice:

(C) 2006-2008 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2005-2006 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

2004-08-06 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

2016-05-06 HUAWEI Confidential Page 17, Total 61

## HILAWEI

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (c) 2007 Patrick McHardy <kaber@trash.net>

Copyright (C) 2006 Harald Welte <a href="mailto:laforge@openezx.org">laforge@openezx.org</a>

copyright 2004 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

Copyright 2006 Rob Landley <rob@landley.net> and TimeSys Corporation.

PortionsCopyright 2004 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2006-2012 Patrick McHardy <kaber@trash.net>

(C) 2003-2004 by Harald Welte <a href="mailto:laforge@netfilter.org">laforge@netfilter.org</a>

Copyright (c) 2008 Patrick McHardy <kaber@trash.net>

Copyright (C) 2006-2006 Harald Welte <a href="mailto:claforge@netfilter.org">claforge@netfilter.org</a>

Copyright (C) 2006-2012 Patrick McHardy <kaber@trash.net>

Copyright (c) 2006 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2010 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2011 Patrick McHardy <kaber@trash.net>

Copyright (c) 2005, 2006, 2008 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2004 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2004-2012 Patrick McHardy <a href="mailto:kaber@trash.net">kaber@trash.net</a>

Copyright (c) 2004,2005 Patrick McHardy, <kaber@trash.net>

Copyright 2003-2004 Red Hat Inc., Durham, North Carolina.

Copyright 2005 Hewlett-Packard Development Company, L.P.

Copyright (C) 2005, 2006 IBM Corporation

Copyright 2003 SuSE Linux AG.

Copyright (C) 2004, 2005, 2006 Red Hat, Inc., Ingo Molnar <mingo@redhat.com>

Copyright (C) 2004-2006 Red Hat, Inc., Ingo Molnar <mingo@redhat.com>

Copyright (C) 2006 Timesys Corp., Thomas Gleixner <tglx@timesys.com>

Copyright (C) 2004 Lynux Works, Inc., Igor Manyilov, Bill Huey

Copyright (C) 2006 Esben Nielsen

Copyright (C) 2006 Kihon Technologies Inc.,

Copyright (C) 2004, Lynux Works, Inc., Igor Manyilov, Bill Huey

Copyright (C) 2006,2007 Red Hat, Inc., Ingo Molnar <mingo@redhat.com>

Copyright (C) 2007 Red Hat, Inc., Peter Zijlstra <pzijlstr@redhat.com>

Copyright (C) 2006, Timesys Corp., Thomas Gleixner <tglx@timesys.com>

Copyright (C) 2005-2006 Timesys Corp., Thomas Gleixner <tglx@timesys.com>

Copyright (C) 2005 Kihon Technologies Inc., Steven Rostedt

Copyright (C) 2006 Esben Nielsen

Copyright (2004) Linus Torvalds

Copyright (2004, 2005) Ingo Molnar

Copyright (c) 2001 David Howells (dhowells@redhat.com).

Copyright (c) 2008 Intel Corporation

Copyright 2005, Red Hat, Inc., Ingo Molnar

Copyright (C) 2002-2004 Eric Biederman <ebiederm@xmission.com>

Copyright (C) 2007 Red Hat, Inc., Ingo Molnar <mingo@redhat.com>

Copyright IBM Corporation, 2007

2016-05-06 HUAWEI Confidential Page 18, Total 61

Copyright (C) 2007, Thomas Gleixner <tglx@linutronix.de>

Copyright(C) 2007, Red Hat, Inc., Ingo Molnar

Copyright (c) 2012, 2015, The Linux Foundation. All rights reserved.

Copyright (C) 2007-2008 Novell

Copyright (C) 2012 Dario Faggioli <raistlin@linux.it>,

Copyright (C) 1991-2002 Linus Torvalds

Copyright (C) 2008 Red Hat, Inc., Peter Zijlstra <pzijlstr@redhat.com>

Copyright (C) 2008 Red Hat, Inc. Steven Rostedt <srostedt@redhat.com>

Copyright IBM Corp. 2009

(C)Copyright 1995 - 1997 Marco van Wieringen - ELM Consultancy B.V.

Copyright (C) IBM Corporation, 2002, 2004

Copyright(C) 2005-2006, Thomas Gleixner <tglx@linutronix.de>

Copyright(C) 2005-2007, Red Hat, Inc., Ingo Molnar

Copyright(C) 2006-2007, Timesys Corp., Thomas Gleixner

Copyright (C) 2004, 2005 IBM, John Stultz (johnstul@us.ibm.com)

Copyright(C) 2006, Red Hat, Inc., Ingo Molnar

Copyright (C) 2010 IBM Corperation

Copyright(C) 2006 Timesys Corp., Thomas Gleixner <tglx@timesys.com>

Copyright (C) 2005 Instituto Nokia de Tecnologia - INdT - Manaus

Copyright (C) 2010 OMICRON electronics GmbH

Copyright (C) 1993, 1994, 1995, 1996, 1997 Free Software Foundation, Inc.

Copyright(C) 2006-2007 Timesys Corp., Thomas Gleixner

(C)Copyright 1999 Linus Torvalds

Copyright (C) 1991, 1992 Linus Torvalds

Copyright (C) 1998 Andrea Arcangeli

Copyright (C) 2000, 2001, 2002 Ingo Molnar

Copyright (C) 2002-2003 Stephen Rothwell, IBM Corporation

Copyright (C) 1992 Linus Torvalds

Copyright (C) 2007 Alan Stern

Copyright (C) IBM Corporation, 2009

Copyright (C) 2009, Frederic Weisbecker <fweisbec@gmail.com>

Copyright (C) 2008 Thomas Gleixner <tglx@linutronix.de>

Copyright (C) 2008-2011 Red Hat, Inc., Ingo Molnar

Copyright (C) 2008-2011 Red Hat, Inc., Peter Zijlstra <pzijlstr@redhat.com>

Copyright ? 2009 Paul Mackerras, IBM Corp. <paulus@au1.ibm.com>

Copyright (C) IBM Corporation, 2008-2012

Copyright (C) 2011-2012 Red Hat, Inc., Peter Zijlstra <pzijlstr@redhat.com>

Copyright (C) 2009 Paul Mackerras, IBM Corp. <paulus@au1.ibm.com>

Copyright (c) 2009 Pavel Machek <pavel@ucw.cz>

Copyright (c) 2003 Patrick Mochel

Copyright (c) 2003 Open Source Development Lab

Copyright (C) 2006 Rafael J. Wysocki <rjw@sisk.pl>

2016-05-06 HUAWEI Confidential Page 19, Total 61

Copyright (C) 2014 Google, Inc.

Copyright (c) 2011, Google, Inc.

Copyright (c) 2004 Pavel Machek <pavel@ucw.cz>

Copyright (c) 2009 Rafael J. Wysocki, Novell Inc.

Copyright (C) 2012 Bojan Smojver <br/> <br/> sojan@rexursive.com>

Copyright (C) 2012 Rafael J. Wysocki <rjw@sisk.pl>

Copyright (C) 1998,2001-2005 Pavel Machek <pavel@ucw.cz>

Copyright (C) 2010-2012 Bojan Smojver <br/> <br/> tojan@rexursive.com>

Copyright (C) 1998-2005 Pavel Machek <pavel@ucw.cz>

Copyright (c) 2009 Rafael J. Wysocki <rjw@sisk.pl>, Novell Inc.

(C)Copyright 1991-2000 Linus Torvalds

Copyright (C) 2010 Red Hat, Inc., Peter Zijlstra <pzijlstr@redhat.com>

Copyright IBM Corp. 2008

(C)Copyright 2003 Red Hat Inc, All Rights Reserved

(C)Copyright 2003, 2004 Jamie Lokier

(C)Copyright 2006 Red Hat Inc, All Rights Reserved

Copyright (C) 2006 Red Hat, Inc., Ingo Molnar <mingo@redhat.com>

Copyright (C) 2007 Eric Dumazet <dada1@cosmosbay.com>

Copyright 2006, Red Hat, Inc., Ingo Molnar

Copyright (C) 2002

Copyright (C) 2010

Copyright (C) Shailabh Nagar, IBM Corp. 2006

Copyright (C) 2006 Google, Inc

Copyright (C) 2009 Nokia Corporation

Copyright notices from the original cpuset code

Copyright (C) 2003 BULL SA.

Copyright (C) 2004-2006 Silicon Graphics, Inc.

Copyright (c) 2001-3 Patrick Mochel

Copyright (C) 2009 Jason Baron < jbaron@redhat.com>

Copyright (C) 2011 Peter Zijlstra <pzijlstr@redhat.com>

Copyright 2007 OpenVZ SWsoft Inc

Copyright (C) 1997 Andrew Main < zefram@fysh.org>

Copyright (C) 1992 Darren Senn

Copyright (C) 2006 IBM Corporation

Copyright (C) 2008 Mathieu Desnoyers

Copyright 2003-2004 Red Hat, Inc.

Copyright 2005 IBM Corporation

Copyright (C) 2007

Copyright (C) 2001 Rusty Russell.

Copyright (C) 2009 Ming Lei <ming.lei@canonical.com>

Copyright (c) 2013-2015, The Linux Foundation. All rights reserved.

Copyright (C) 2009 Arjan van de Ven <arjan@linux.intel.com>

2016-05-06 HUAWEI Confidential Page 20, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 2007 Steven Rostedt <srostedt@redhat.com>

Copyright (C) 2007-2008 Steven Rostedt <srostedt@redhat.com>

Copyright (C) 2004-2008 Ingo Molnar <mingo@redhat.com>

Copyright (C) 2007 Arnaldo Carvalho de Melo <acme@redhat.com>

Copyright (C) 2004-2006 Ingo Molnar

Copyright (C) 2004 Nadia Yvette Chambers

Copyright (c) 2012-2014, The Linux Foundation. All rights reserved.

Copyright (C) 2008 Red Hat Inc, Steven Rostedt <srostedt@redhat.com>

Copyright (C) 2009 Red Hat Inc, Peter Zijlstra <pzijlstr@redhat.com>

Copyright (C) 2009-2010 Frederic Weisbecker <fweisbec@gmail.com>

Copyright (c) 2012-2015, The Linux Foundation. All rights reserved.

Copyright (C) 2008-2009 Frederic Weisbecker <fweisbec@gmail.com>

Copyright (C) 2008 Steven Rostedt <srostedt@redhat.com>

Copyright (C) 2008 Pekka Paalanen <pq@iki.fi>

Copyright (C) IBM Corporation, 2010-2011

Copyright (C) IBM Corporation, 2010-2012

Copyright (C) 2008 Ingo Molnar <mingo@redhat.com>

Copyright (C) 2008 Steven Noonan < steven@uplinklabs.net>

Copyright (C) 2006 Jens Axboe <axboe@kernel.dk>

Copyright (C) 2013 Google, Inc.

Copyright (C) 2008 Lai Jiangshan < laijs@cn.fujitsu.com>

Copyright (c) 2012, The Linux Foundation. All rights reserved.

Copyright (C) 2007-2012 Steven Rostedt <srostedt@redhat.com>

Copyright (C) 2010 Jason Wessel < jason.wessel@windriver.com>

Copyright (C) 2009 Red Hat, Inc., Ingo Molnar <mingo@redhat.com>

Copyright (C) 2009 Steven Rostedt <srostedt@redhat.com>

Copyright (C) 2009 Tom Zanussi <tzanussi@gmail.com>

Copyright (C) 2012 Red Hat, Inc., Frederic Weisbecker < fweisbec@redhat.com>

Copyright (C) 2004 Kay Sievers <kay.sievers@vrfy.org>

Copyright (C) 2012 Red Hat, Inc. All Rights Reserved.

Copyright IBM Corporation, 2008

Copyright IBM Corporation, 2011

Copyright (c) 2010 Linaro

Copyright (C) IBM Corporation, 2006

Copyright (C) Fujitsu, 2012

Copyright (C) IBM Corporation, 2005, 2006

Copyright IBM Corporation, 2001

Copyright Red Hat, 2009

Copyright IBM Corporation, 2009

Copyright 2002 Rusty Russell <rusty@rustcorp.com.au> IBM Corporation

(C)Copyright 2008 Intel Corporation

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 2008, 2005

Copyright (C) 2011 Google, Inc.

Copyright (C) 1999

Copyright (C) 2002-2005 - Tom Zanussi (zanussi@us.ibm.com), IBM Corp

Copyright (C) 1999-2005 - Karim Yaghmour (karim@opersys.com)

Copyright 2003-2009 Red Hat, Inc.

Copyright 2003-2007 Red Hat Inc., Durham, North Carolina.

Copyright (C) 2010 Red Hat, Inc.

Copyright (C) 2008 Red Hat, Inc. All Rights Reserved.

Copyright (C) Jay Lan,

Copyright 2004-2005 Andrea Arcangeli <andrea@cpushare.com>

Copyright (C) 2012 Google, Inc.

Copyright 1998-2008 VIA Technologies, Inc. All Rights Reserved.

Copyright 2001-2008 S3 Graphics, Inc. All Rights Reserved.

Copyright 2011 Florian Tobias Schandinat <FlorianSchandinat@gmx.de>

Copyright 1998-2009 VIA Technologies, Inc. All Rights Reserved.

Copyright 2009 Jonathan Corbet <corbet@lwn.net>

License: GPL V2.0

Please see above.

**Software:** FFmpeg 2.5.7

### **Copyright notice:**

Copyright (c) 2000-2003 Fabrice Bellard

Copyright (c) 2008 Konstantin Shishkov

Copyright (c) 2010 Reimar Döffinger Reimar.Doeffinger@gmx.de

Copyright (c) 2009-2011 Maxim Poliakovski

Copyright (c) 2003 Michael Niedermayer

Copyright (c) 2012 Justin Ruggles

Copyright (c) 2002 Mark Hills mark@pogo.org.uk

Copyright (c) 2007 Bartlomiej Wolowiec bartek.wolowiec@gmail.com

Copyright (c) 2010 Aurelien Jacobs aurel@gnuage.org

Copyright (C) 2004 Gildas Bazin

Copyright (C) 2012 - 2013 Guillaume Martres

Copyright (c) 2012, Derek Buitenhuis

Copyright (c) 2008 Vladimir Voroshilov

Copyright (c) 1999 Albert L Faber

Copyright (c) 1999-2000 Mark Taylor

Copyright (c) 2001-2005 Gabriel Bouvigne

Copyright (c) 2000-2005 Alexander Leidinger

Copyright (c) 2010 Jacob Meuser

2016-05-06 HUAWEI Confidential Page 22, Total 61

# HILAMEI

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (c) 2010 Ramiro Polla

Copyright (c) 2011 Jonathan Baldwin

Copyright (c) 2009 Samalyse

License: LGPL V2.1

**GNU Lesser General Public License** 

Version 2.1, February 1999

Copyright (C) 1991, 1999 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.

[This is the first released version of the Lesser GPL. It also counts

as the successor of the GNU Library Public License, version 2, hence

the version number 2.1.]

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, 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 and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these 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 other code with the library, you must provide complete object files to the recipients, so that they can relink them with the

2016-05-06 HUAWEI Confidential Page 23, Total 61

### HILAWEI

#### OPEN SOURCE SOFTWARE NOTICE

library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know 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

2016-05-06 HUAWEI Confidential Page 24, Total 61



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.

#### 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

2016-05-06 HUAWEI Confidential Page 25, Total 61



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,

2016-05-06 HUAWEI Confidential Page 26, Total 61



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.



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

2016-05-06 HUAWEI Confidential Page 28, Total 61



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.

2016-05-06 HUAWEI Confidential Page 29, Total 61



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 2016-05-06 HUAWEI Confidential Page 30, Total 61



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.

2016-05-06 HUAWEI Confidential Page 31, Total 61



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

2016-05-06 HUAWEI Confidential Page 32, Total 61



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

**Software:** Android-Universal-Image-Loader 1.9.3

**Copyright notice:** 

Copyright 2011-2014 Sergey Tarasevich, Daniel Mart í

Copyright 2014 Sergey Tarasevich

License: Apache License Version 2.0

**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 bythe 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,

2016-05-06 HUAWEI Confidential Page 33, Total 61



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

2016-05-06 HUAWEI Confidential Page 34, Total 61



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.

2016-05-06 HUAWEI Confidential Page 35, Total 61



- 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.

2016-05-06 HUAWEI Confidential Page 36, Total 61



Software: Google Play services 4.3

Copyright notice:

Copyright © 2013 Google, Inc. All Rights Reserved

**License:** Apache License Version 2.0

Please see above

**Copyright Notices and License Texts** 

**Software:** Android 6.0.0\_r1

**Copyright notice:** 

Copyright@2015 Google,Inc.All Rights reserved

License: Apache License Version 2.0

Please see above

Software: Apache Jakarta Commons JEXL 2.1.1

Copyright notice:

Copyright © 2013 Google, Inc. All Rights Reserved

License: Apache License Version 2.0

Please see above

**Software:** PhotoView Library 1.2.3

**Copyright notice:** 

Copyright 2011, 2012 Chris Banes. **License:** Apache License Version 2.0

Please see above.

**Software:** google-gson 2.3.1

Copyright notice:

Copyright (C) 2008 Google Inc.. All Rights Reserved

License: Apache License Version 2.0

Please see above.

Software: Android - platform - prebuilts - gcc - darwin-x86 - aarch64 - aarch64-linux-android-4.9 6.0.0\_r1

**Copyright notice:** 

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 2007-2009 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

Copyright(C) 2014 The Android Open Source Project

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (C) 2011-2014 Free Software Foundation, Inc.

Copyright (C) 2009-2014 Free Software Foundation, Inc.

Copyright (C) 2010-2014 Free Software Foundation, Inc.

2016-05-06 HUAWEI Confidential Page 37, Total 61

Copyright(C) 2013-2014 Free Software Foundation, Inc.

Copyright(C) 2010-2014 Free Software Foundation, Inc.

Copyright(C) 2012-2014 Free Software Foundation, Inc.

Copyright(C) 2011-2014 Free Software Foundation, Inc.

Copyright(C) 2014 Free Software Foundation, Inc.

Copyright(C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 1996-2014 Free Software Foundation, Inc.

Copyright (c) 1990 The Regents of the University of California.

Copyright(C) 1992-2014 Free Software Foundation, Inc.

Copyright(C) 1991-2014 Free Software Foundation, Inc.

Copyright(C) 2008-2014 Free Software Foundation, Inc.

Copyright(C) 1997-2014 Free Software Foundation, Inc.

Copyright(C) 2005-2014 Free Software Foundation, Inc.

Copyright(C) 2007-2014 Free Software Foundation, Inc.

Copyright(C) 1998-2014 Free Software Foundation, Inc.

Copyright(C) 2002-2014 Free Software Foundation, Inc.

Copyright (C) 2001-2014 Free Software Foundation, Inc.

License: Apache License Version 2.0

Please see above

**Software:** Android - platform - prebuilts - gcc - darwin-x86 - arm - arm-eabi-4.8 6.0.0\_r1

#### **Copyright notice:**

Copyright (C) 2011-2013 Free Software Foundation, Inc.

Copyright (C) 2009-2013 Free Software Foundation, Inc.

Copyright (C) 2010-2013 Free Software Foundation, Inc.

Copyright (C) 2012-2013 Free Software Foundation, Inc.

Copyright (c) 1990 The Regents of the University of California.

Copyright (C) 1992-2013 Free Software Foundation, Inc.

Copyright (C) 1991-2013 Free Software Foundation, Inc.

Copyright (C) 2004-2013 Free Software Foundation, Inc.

Copyright (C) 2006-2013 Free Software Foundation, Inc.

Copyright (C) 1989-2013 Free Software Foundation, Inc.

Copyright (C) 2008-2013 Free Software Foundation, Inc.

Copyright (C) 1997-2013 Free Software Foundation, Inc.

Copyright (C) 2007-2013 Free Software Foundation, Inc.

Copyright (C) 1998-2013 Free Software Foundation, Inc.

Copyright (C) 2002-2013 Free Software Foundation, Inc.

Copyright (C) 2003-2013 Free Software Foundation, Inc.

Copyright 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006,

2007, 2008, 2009, 2010, 2011, 2012 Free Software Foundation, Inc.

Copyright 2009, 2010 Free Software Foundation, Inc.

Copyright (C) 1998, 2000, 2010 Free Software Foundation, Inc.

2016-05-06 HUAWEI Confidential Page 38, Total 61

# HILAWEI

#### OPEN SOURCE SOFTWARE NOTICE

**License:** Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - darwin-x86 - arm - arm-linux-androideabi-4.9 6.0.0\_r1

**Copyright notice:** 

Copyright (C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - darwin-x86 - host - i686-apple-darwin-4.2.1 6.0.0\_r1

Copyright notice:

Copyright (C) 2007 Free Software Foundation, Inc.

Copyright (C) 2005 Free Software Foundation, Inc.

Copyright (C) 2003, 2004, 2005, 2006 Free Software Foundation, Inc.

Copyright (C) 2004 Free Software Foundation, Inc.

Copyright (C) 2006 Free Software Foundation, Inc.

Copyright (C) 1989, 1997, 1998, 1999, 2000 Free Software Foundation, Inc.

Copyright (C) 2002, 2003, 2004 Free Software Foundation, Inc.

Copyright (C) 1997, 1999 Free Software Foundation, Inc.

Copyright (C) 2003, 2004, 2005, 2006, 2007 Free Software Foundation, Inc.

Copyright (C) 1998, 1999, 2000 Free Software Foundation, Inc.

Copyright (C) 2002 Free Software Foundation, Inc.

Copyright (C) 2001, 2003, 2004, 2006 Free Software Foundation, Inc.

Copyright (c) 2000, 2001, 2003, 2004, 2008 Apple Computer, Inc.

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - darwin-x86 - mips - mips64el-linux-android-4.9 6.0.0\_r1

#### **Copyright notice:**

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (C) 2011-2014 Free Software Foundation, Inc.

Copyright (C) 2009-2014 Free Software Foundation, Inc.

Copyright (C) 2010-2014 Free Software Foundation, Inc.

Copyright (C) 2013-2014 Free Software Foundation, Inc.

Copyright (C) 2012-2014 Free Software Foundation, Inc.

Copyright (C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 1996-2014 Free Software Foundation, Inc.

Copyright (C) 1992-2014 Free Software Foundation, Inc.

Copyright (C) 1991-2014 Free Software Foundation, Inc.

2016-05-06 HUAWEI Confidential Page 39, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 2008-2014 Free Software Foundation, Inc.

Copyright (C) 2014 Free Software Foundation, Inc.

Copyright (C) 1997-2014 Free Software Foundation, Inc.

Copyright (C) 2005-2014 Free Software Foundation, Inc.

Copyright (C) 2007-2014 Free Software Foundation, Inc.

Copyright (C) 1998-2014 Free Software Foundation, Inc.

Copyright (C) 2002-2014 Free Software Foundation, Inc.

Copyright (C) 2001-2014 Free Software Foundation, Inc.

License: Apache License Version 2.0

Please see above

**Software:** Android - platform - prebuilts - gcc - darwin-x86 - x86 - x86\_64-linux-android-4.9

#### Copyright notice:

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 2014 Free Software Foundation, Inc.

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (C) 2011-2014 Free Software Foundation, Inc.

Copyright (C) 2009-2014 Free Software Foundation, Inc.

Copyright (C) 2010-2014 Free Software Foundation, Inc.

Copyright (C) 2013-2014 Free Software Foundation, Inc.

Copyright (C) 2012-2014 Free Software Foundation, Inc.

Copyright (C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 1996-2014 Free Software Foundation, Inc.

Copyright (C) 1992-2014 Free Software Foundation, Inc.

Copyright (C) 1991-2014 Free Software Foundation, Inc.

Copyright (C) 2007-2014 Free Software Foundation, Inc.

Copyright (C) 2012-2014 Intel Corporation. All rights reserved.

Copyright (C) 2003-2014 Free Software Foundation, Inc.

Copyright (C) 2004-2014 Free Software Foundation, Inc.

Copyright (C) 2006-2014 Free Software Foundation, Inc.

Copyright (C) 2002-2014 Free Software Foundation, Inc.

Copyright (C) 2008-2014 Free Software Foundation, Inc.

Copyright (C) 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1997-2014 Free Software Foundation, Inc.

Copyright (C) 2005-2014 Free Software Foundation, Inc.

Copyright (C) 1998-2014 Free Software Foundation, Inc.

Copyright (C) 2001-2014 Free Software Foundation, Inc.

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - aarch64 - aarch64-linux-android-4.9 6.0.0\_r1

#### **Copyright notice:**

2016-05-06 HUAWEI Confidential Page 40, Total 61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 2007-2009 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

Copyright(C) 2014 The Android Open Source Project

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (C) 2011-2014 Free Software Foundation, Inc.

Copyright (C) 2009-2014 Free Software Foundation, Inc.

Copyright (C) 2010-2014 Free Software Foundation, Inc.

Copyright(C) 2013-2014 Free Software Foundation, Inc.

Copyright(C) 2010-2014 Free Software Foundation, Inc.

Copyright(C) 2012-2014 Free Software Foundation, Inc.

Copyright(C) 2011-2014 Free Software Foundation, Inc.

Copyright(C) 2014 Free Software Foundation, Inc.

Copyright(C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 1996-2014 Free Software Foundation, Inc.

Copyright (c) 1990 The Regents of the University of California.

Copyright(C) 1992-2014 Free Software Foundation, Inc.

Copyright(C) 1991-2014 Free Software Foundation, Inc.

Copyright(C) 2008-2014 Free Software Foundation, Inc.

Copyright(C) 1997-2014 Free Software Foundation, Inc.

Copyright(C) 2005-2014 Free Software Foundation, Inc.

Copyright(C) 2007-2014 Free Software Foundation, Inc.

Copyright(C) 1998-2014 Free Software Foundation, Inc.

Copyright(C) 2002-2014 Free Software Foundation, Inc.

Copyright (C) 2001-2014 Free Software Foundation, Inc.

**License**: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - arm - arm-eabi-4.8 6.0.0\_r1

#### Copyright notice:

Copyright (C) 2011-2013 Free Software Foundation, Inc.

Copyright (C) 2009-2013 Free Software Foundation, Inc.

Copyright (C) 2010-2013 Free Software Foundation, Inc.

Copyright (C) 2012-2013 Free Software Foundation, Inc.

Copyright (c) 1990 The Regents of the University of California.

Copyright (C) 1992-2013 Free Software Foundation, Inc.

Copyright (C) 1991-2013 Free Software Foundation, Inc.

Copyright (C) 2004-2013 Free Software Foundation, Inc.

Copyright (C) 2006-2013 Free Software Foundation, Inc.

Copyright (C) 1989-2013 Free Software Foundation, Inc.

Copyright (C) 2008-2013 Free Software Foundation, Inc.

copyright (C) 2000-2013 Fice Software Foundation, me.

Copyright (C) 1997-2013 Free Software Foundation, Inc.

Copyright (C) 2007-2013 Free Software Foundation, Inc.

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 1998-2013 Free Software Foundation, Inc.

Copyright (C) 2002-2013 Free Software Foundation, Inc.

Copyright (C) 2003-2013 Free Software Foundation, Inc.

Copyright 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006,

2007, 2008, 2009, 2010, 2011, 2012 Free Software Foundation, Inc.

Copyright 2009, 2010 Free Software Foundation, Inc.

Copyright (C) 1998, 2000, 2010 Free Software Foundation, Inc.

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - arm - arm-linux-androideabi-4.9 6.0.0\_r1

#### Copyright notice:

Copyright (C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - host - x86\_64-w64-mingw32-4.8 6.0.0\_r1

#### Copyright notice:

Copyright (c) 1988\-2013 Free Software Foundation, Inc.

Copyright (c) 1987\-2013 Free Software Foundation, Inc.

Copyright (c) 1996\-2013 Free Software Foundation, Inc.

Copyright (c) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

Copyright (c) 2000, 2001, 2002, 2007, 2008 Free Software Foundation, Inc.

Copyright (c) 1994 Free Software Foundation, Inc.

Copyright (C) 2010-2013 Free Software Foundation, Inc.

Copyright (C) 1988-2013 Free Software Foundation, Inc.

Copyright (C) 1998 Cygnus Solutions.

Copyright (C) 1991, 2000, 2001, 2003, 2006, 2007, 2008 Free Software

The library is not in the public domain; it isCopyrighted and there

Copyright (C) 2000,2001,2002 Free Software Foundation, Inc.

Copyright (C) 2007 Free Software Foundation, Inc.

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://example.com/http://exam

Copyright 1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Free Software

Foundation, Inc.

Copyright 2009, 2010, 2011, 2012 Free Software Foundation, Inc.

Copyright 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Free Software

Foundation, Inc.

Copyright 2010, 2011, 2012 Free Software Foundation, Inc.

Copyright (C) 2008-2013 Free Software Foundation, Inc.

Copyright (C) 2009-2013 Free Software Foundation, Inc.

Copyright (c) 2009, 2010 by the mingw-w64 project

2016-05-06 HUAWEI Confidential Page42, Total61

# HILANAGE

#### OPEN SOURCE SOFTWARE NOTICE

Copyright (C) 2007 Shane King

Copyright 2007,2010 Vijay Kiran Kamuju

Copyright 2007 David ADAM

Copyright 2010 Christian Costa

Copyright (c) 2009 Andrew Nguyen

Copyright (C) 2004 Raphael Junqueira

Copyright (C) 2008 Tony Wasserka

Copyright (C) 2002 Jason Edmeades

Copyright (C) 2002 Alexandre Juliard

Copyright 2012 Jacek Caban for CodeWeavers

Copyright 2010 Jacek Caban for CodeWeavers

Copyright (C) 2002-2003 Jason Edmeades

Copyright (C) 2002-2003 Raphael Junqueira

Copyright (C) 2005 Oliver Stieber

Copyright 2010 Rico Schüller

Copyright 2013 Austin English

Copyright (C) the Wine project

Copyright (C) 2007 David Adam

Copyright (C) 2007 Tony Wasserka

Copyright (C) 2003 Robert Shearman

Copyright (C) 2003-2005 Raphael Junqueira

Copyright 2008 Maarten Lankhorst

Copyright (C) 2001 Ove Kaaven

Copyright 2007 Andras Kovacs

Copyright (C) 2005 Peter Berg Larsen

Copyright (C) 2010 Christian Costa

Copyright (C) 2003-2004 Rok Mandeljc

Copyright (C) 2000 Peter Hunnisett

Copyright (C) 2004 Christian Costa

Copyright (C) 2002-2003 Jason Edmeades

Copyright 2008 Luis Busquets

Copyright (C) 2006 Hans Leidekker

Copyright (C) 2008 Maarten Lankhorst

Copyright 2011 Dylan Smith

Copyright (C) 2000 Ove Kaaven

Copyright (C) 2004 Robert Reif

Copyright 2004 Christian Costa

Copyright (C) 1989, 1997, 1998, 1999, 2000 Free Software Foundation, Inc.

Copyright (C) 2011 Piotr Caban for CodeWeavers

Copyright (C) 2004 François Gouget

Copyright (C) 2008 Google (Lei Zhang)

Copyright 2010 Hans Leidekker for CodeWeavers

Copyright 2007 Marcel Partap

Copyright (C) 1999 Francois Gouget

Copyright (C) 1999 Peter Hunnisett

Copyright 2010 Matteo Bruni for CodeWeavers

Copyright (C) 2010 Maarten Lankhorst for CodeWeavers

Copyright (C) 2009 David Adam

Copyright (C) 2010 Tony Wasserka

Copyright (C) 2003 Robert Reif

Copyright 2008 James Hawkins

Copyright 2008 Andrew Fenn

Copyright (C) 2007-2013 Free Software Foundation, Inc.

Copyright (C) 2012-2013 Free Software Foundation, Inc.

Copyright (C) 2013 Free Software Foundation, Inc.

Copyright (C) 1997-2013 Free Software Foundation, Inc.

Copyright (C) 2011-2013 Free Software Foundation, Inc.

Copyright (C) 2001-2013 Free Software Foundation, Inc.

Copyright (C) 1999-2013 Free Software Foundation, Inc.

Copyright (C) 2006-2013 Free Software Foundation, Inc.

Copyright (C) 2005-2013 Free Software Foundation, Inc.

Copyright (C) 2004-2013 Free Software Foundation, Inc.

Copyright (c) 2001, 2002, 2003 Peter Dimov and Multi Media Ltd.

Copyright (C) 1998, 1999 Greg Colvin and Beman Dawes.

Copyright (C) 2001, 2002, 2003 Peter Dimov

Copyright (C) 2002 Peter Dimov

Copyright (C) 2003-2013 Free Software Foundation, Inc.

Copyright (C) 2000-2013 Free Software Foundation, Inc.

Copyright (c) 1996

Copyright (c) 1997-1999

Copyright (c) 1997

Copyright (C) 1994-2013 Free Software Foundation, Inc.

Copyright (C) 1995-2013 Free Software Foundation, Inc.

Copyright (c) 1996-1997

Copyright (C) 2002-2013 Free Software Foundation, Inc.

Copyright (C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.

(C)Copyright Jeremy Siek 2000. Permission to copy, use, modify,

Copyright (C) 2008 Vijay Kiran Kamuju

Copyright (C) 2007, 2008 Tony Wasserka

Copyright 2009 Henri Verbeet for CodeWeavers

Copyright (c) 2011 Ed Schouten <ed@FreeBSD.org>

Copyright (C) 2007 François Gouget

Copyright (C) 2011 François Gouget

Copyright 2008 Henri Verbeet for CodeWeavers

Copyright (c) 1992, 1993

Copyright (C) 2009 Maarten Lankhorst

Copyright (C) 2006 Maarten Lankhorst

Copyright 2008 James Hawkins for CodeWeavers

Copyright (C) 2004 Vincent B éron

Copyright (C) 1992-2013 Free Software Foundation, Inc.

Copyright (C) 1991-2013 Free Software Foundation, Inc.

Copyright (C) 1989-2013 Free Software Foundation, Inc.

Copyright (C) 2004, 2005, 2009 Free Software Foundation, Inc.

Copyright (C) 2005, 2009 Free Software Foundation, Inc.

Copyright (C) 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1998-2013 Free Software Foundation, Inc.

Copyright (C) 1987-2013 Free Software Foundation, Inc.

Copyright (C) 1996-2013 Free Software Foundation, Inc.

Copyright (C) 1992-2009, Free Software Foundation, Inc.

Copyright 2000, 2001, 2007, 2010 Free Software Foundation, Inc.

Copyright 1995, 1996, 2000 Free Software Foundation, Inc.

Copyright (C) 2000, 2001 Free Software Foundation, Inc.

Copyright (C) 1993-2013 Free Software Foundation, Inc.

Copyright (C) 1986-2013 Free Software Foundation, Inc.

Copyright (C) 1999, 2000, 2002, 2003, 2004, 2005, 2009, 2010

Copyright 1991, 1992, 1993, 1994, 1995, 1996, 1998, 1999, 2000, 2001,

Copyright (C) 1990-2013 Free Software Foundation, Inc.

Copyright 2009, 2010 Free Software Foundation, Inc.

Copyright (C) 2002, 2007, 2009 Free Software Foundation, Inc.

Copyright 2002, 2007, 2009 Free Software Foundation, Inc.

Copyright 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Free Software Foundation, Inc.

Copyright 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 Free Software Foundation, Inc.

Copyright (C) 2002, 2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012 INRIA

Copyright (C) 2012 The Android Open Source Project

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (c) 2009, 2010, 2011, 2012, 2013 by the mingw-w64 project

Copyright (c) 2002 Todd C. Miller < Todd. Miller @courtesan.com>

Copyright (c) 2000 The NetBSD Foundation, Inc.

Copyright (C) 1997, 1998, 1999, 2000, 2001 by Lucent Technologies

Copyright (C) 2005 by David M. Gay

Copyright (C) 2004 by David M. Gay.

which isCopyright (C) 1998, 2000 by Lucent Technologies.

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

2016-05-06 HUAWEI Confidential Page45, Total61



Copyright (C) 1984-1998 Stephen L. Moshier

Copyright (c) 2004-2008 KJK

Copyright (c) 2009 mingw-w64 project

Copyright (c) 2011 mingw-w64 project

Copyright (c) 2013 mingw-w64 project

Copyright (C) Free Software Foundation

Copyright 1998, 1999, 2000, 2001, 2002 Red Hat, Inc.

License: Apache License Version 2.0

Please see above

 $\textbf{Software:} \ \ And roid - platform - prebuilts - gcc - linux-x86 - host - x86\_64 - linux-glibc 2.11 - 4.8 \ 6.0.0\_r 1 - 1.0 - 1.$ 

#### **Copyright notice:**

(C) 2002 by Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2000 by Harald Welte <a href="mailto:laforge@netfilter.org">laforge@netfilter.org</a>

(C) 2000 by Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2002 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2000-2002 by Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2005 Harald Welte <a href="mailto:laforge@netfilter.org">laforge@netfilter.org</a>

Copyright(C) 2010 The Android Open Source Project

Copyright(C) 1989-2013 Free Software Foundation, Inc.

Copyright(C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.

(C)Copyright Jeremy Siek 2000. Permission to copy, use, modify,

Copyright(C) 2010, Oracle America, Inc.

Copyright(C) 1990, 1991 Sun Microsystems, Inc.

Copyright 1991, 1998 The Open Group

Copyright 1987, 1998 The Open Group

Copyright 1987 by Digital Equipment Corporation, Maynard, Massachusetts.

Copyright 1987, 1994, 1998 The Open Group

Copyright 1987 by Digital Equipment Corporation, Maynard, Massachusetts

Copyright 1985, 1986, 1998 The Open Group

Copyright 1990, 1998 The Open Group

Copyright 1988, 1998 The Open Group

Copyright 1988 by Digital Equipment Corporation, Maynard, Massachusetts.

Copyright 1989, 1998 The Open Group

Copyright 1989 by Hewlett-Packard Company, Palo Alto, California.

Copyright(C) 1993 by Silicon Graphics Computer Systems, Inc.

Copyright(C) 1994, 1995 Hewlett-Packard Company

Copyright(C) 1997 by Silicon Graphics Computer Systems, Inc.

Copyright 1986, 1987, 1988, 1998 The Open Group

Copyright 1986, 1987, 1988 by Hewlett-Packard Corporation

Copyright 1996, 1998 The Open Group

Copyright 1992 Network Computing Devices

2016-05-06 HUAWEI Confidential Page46, Total61

#### OPEN SOURCE SOFTWARE NOTICE

Copyright 1991, 1993, 1994, 1998 The Open Group

Copyright 1991,1993 by Digital Equipment Corporation, Maynard, Massachusetts,

Copyright(C) 2006, Oracle and/or its affiliates. All rights reserved.

Copyright 2010 Red Hat, Inc.

Copyright(C) 2002 Keith Packard, member of The XFree86 Project, Inc.

Copyright(C) 2009 Red Hat, Inc.

Copyright(C) 2007-2008 Peter Hutterer

Copyright(C) 1996 Digital Equipment Corporation, Maynard, Massachusetts.

Copyright 2011 Red Hat, Inc.

Copyright 1996, 1998, 2001 The Open Group

Copyright 1992, 1998 The Open Group

Copyright ?2007-2008 Peter Hutterer

Copyright 1984, 1985, 1987, 1989, 1998 The Open Group

Copyright(C) 1999 The XFree86 Project Inc.

Copyright 1997 Metro Link Incorporated

Copyright holder(s) make(s) no representations about the suitability of

 $Copyright(C)\ 1991,\ Oracle\ and/or\ its\ affiliates.\ All\ rights\ reserved.$ 

Copyright 1995, 1998 The Open Group

The aboveCopyright notice and this permission notice shall be

Copyright 1987 by Digital Equipment Corporation, Maynard, Massachusetts,

Copyright 1987, 1988 by Digital Equipment Corporation, Maynard, Massachusetts.

Copyright (C) 2005 Keith Packard

Copyright 1987 by Apollo Computer Inc., Chelmsford, Massachusetts.

Copyright 1989 by Hewlett-Packard Company.

copyright notice appear in all supporting documentation, and that the

(C)Copyright 1990 1991 Tektronix, Inc.

And others.

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - host - x86\_64-linux-glibc2.15-4.8 6.0.0\_r1

#### **Copyright notice:**

(C) 2002 by Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2000 by Harald Welte <a href="mailto:laforge@netfilter.org">laforge@netfilter.org</a>

(C) 2000 by Harald Welte <a href="mailto:slafe"></a> elaforge@gnumonks.org>

(C) 2002 Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2000-2002 by Harald Welte <a href="mailto:laforge@gnumonks.org">laforge@gnumonks.org</a>

(C) 2005 Harald Welte <a href="mailto:laforge@netfilter.org">laforge@netfilter.org</a>

Copyright(C) 2010 The Android Open Source Project

Copyright(C) 1982-2013 Free Software Foundation, Inc.

Copyright(C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.

(C)Copyright Jeremy Siek 2000. Permission to copy, use, modify,

2016-05-06 HUAWEI Confidential Page47, Total61

### HILAMEI

#### OPEN SOURCE SOFTWARE NOTICE

Copyright(C) 2001, 2002, 2003 Peter Dimov and Multi Media Ltd.

Copyright(C) 1998, 1999 Greg Colvin and Beman Dawes.

Copyright(C) 2001, 2002, 2003 Peter Dimov

Copyright(C) 2002 Peter Dimov

Copyright(C) 2006-2013 Free Software Foundation, Inc.

Copyright(C) 1997-2013 Free Software Foundation, Inc.

Copyright(C) 2008 Free Software Foundation, Inc.

Copyright(C) 1998-2000, Michael Pruett <michael@68k.org>

Copyright(C) 1999 The XFree86 Project Inc.

Copyright 1997 Metro Link Incorporated

Copyright 1993, 1998 The Open Group

Copyright 1989, 1991, 1998 The Open Group

Copyright(C) 2003-2005, K A Fraser

Copyright(C) 1999-2002 Vojtech Pavlik

Copyright(C) 2008-2009, Thomas Gleixner <tglx@linutronix.de>

Copyright(C) 2008-2011, Red Hat, Inc., Ingo Molnar

Copyright(C) 2008-2011, Red Hat, Inc., Peter Zijlstra

Copyright(C) 2010 Nokia Corporation

Copyright(C) 1992 Rick Sladkey

Copyright(C) 2005-2007 Kristian Hoegsberg < krh@bitplanet.net>

Copyright(C) 1989 Carnegie Mellon University.

Copyright 1994,95,96 by Fritz Elfert (fritz@isdn4linux.de)

Copyright 1995,96 by Thinking Objects Software GmbH Wuerzburg

Copyright 1995,96 by Michael Hipp(Michael.Hipp@student.uni-tuebingen.de)

Copyright(C) Matt Helsley, IBM Corp. 2005

Copyright(C) 2005 Nguyen Anh Quynh <aquynh@gmail.com>

Copyright(C) 2005 Guillaume Thouvenin < guillaume.thouvenin@bull.net>

Copyright(C) 2007 Red Hat, Inc. All rights reserved.

Copyright(C) 1999 Jeff Hartmann

Copyright(C) 1999 Precision Insight, Inc.

Copyright(C) 1999 Xi Graphics, Inc.

Copyright 1997 Transmeta Corporation - All Rights Reserved

Copyright(C) 2008, Intel Corporation.

(C)Copyright 1999, 2000 Red Hat Software

Copyright(C) 2008 Nokia Corporation. All rights reserved.

Copyright(C) 1994 The Australian National University.

Copyright IBM Corp. 2007

Copyright(C) 1992David Giller, rafetmad@oxy.edu

Copyright(C) 2001-2003 Stelian Pop <stelian@popies.net>

Copyright(C) 2001-2002 Alc么ve <www.alcove.com>

Copyright(C) 2000 Andrew Tridgell <tridge@valinux.com>

Copyright(C) 2002 Trond Myklebust

#### OPEN SOURCE SOFTWARE NOTICE

Copyright(C) ST-Ericsson AB 2010

Copyright 1994-2001 Stephen Rothwell (sfr@canb.auug.org.au)

Copyright(C) 2001-2008 Miklos Szeredi <miklos@szeredi.hu>

Copyright(C) 1999 Paul `Rusty' Russell & Michael J. Neuling

Copyright(C) 2005-2008 Red Hat, Inc. All rights reserved.

Copyright(C) 1992, 1993, 1994, 1995

Copyright(C) 1991, 1992 Linus Torvalds

Copyright(C) 2004 Red Hat, Inc., James Morris < jmorris@redhat.com>

Copyright(C) 2006 - 2007 Ivo van Doorn

Copyright(C) 2007 Dmitry Torokhov

Copyright 2009 Johannes Berg < johannes@sipsolutions.net>

Copyright(C) 2002-2003 David McCullough <davidm@snapgear.com>

Copyright(C) 1998 Kenneth Albanowski <kjahds@kjahds.com>

Copyright(C) 2001 by Jay Schulist < jschlst@samba.org>

Copyright(C) 2003 Krzysztof Benedyczak & Michal Wronski

Copyright(C) 1999 Tigran Aivazian < tigran@veritas.com>

Copyright(C) 2005-2007 Jiri Slaby < jirislaby@gmail.com>

Copyright(C) 2005 Stuart Brady

Copyright 1994-1999 by Fritz Elfert (fritz@isdn4linux.de)

Copyright 1995,96 Thinking Objects Software GmbH Wuerzburg

Copyright 2000-2002 by Kai Germaschewski (kai@germaschewski.name)

Copyright(C) 2005-2012 Junjiro R. Okajima

Copyright IBM Corporation, 2007

Copyright(C) 2007 Jiri Kosina

Copyright(C) 2003-2006, Ericsson AB

Copyright(C) 2005-2007, 2010-2011, Wind River Systems

Copyright(C) 1987-1999 Carnegie Mellon University

Copyright(C) 2001-2004 Silicon Graphics, Inc. All rights reserved.

(C)Copyright 1997 by Carsten Paeth (calle@calle.in-berlin.de)

Copyright(C) 2002, 2003, 2004 Dell Inc.

Copyright 2003,2004 Andi Kleen SuSE Labs

(C)Copyright 1999-2001 Quicknet Technologies, Inc.

Copyright(C) Sistina Software, Inc. 1997-2003 All rights reserved.

Copyright(C) 2004-2007 Red Hat, Inc. All rights reserved.

And others.

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - x86 - x86\_64-linux-android-4.9 6.0.0\_r1

#### Copyright notice:

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 2014 Free Software Foundation, Inc.

2016-05-06 HUAWEI Confidential Page49, Total61

### HILANGE

#### OPEN SOURCE SOFTWARE NOTICE

```
Copyright (C) 1991, 1999 Free Software Foundation, Inc.
```

Copyright (C) 2011-2014 Free Software Foundation, Inc.

Copyright (C) 2009-2014 Free Software Foundation, Inc.

Copyright (C) 2010-2014 Free Software Foundation, Inc.

Copyright (C) 2013-2014 Free Software Foundation, Inc.

Copyright (C) 2012-2014 Free Software Foundation, Inc.

Copyright (C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 1996-2014 Free Software Foundation, Inc.

Copyright (C) 1992-2014 Free Software Foundation, Inc.

Copyright (C) 1991-2014 Free Software Foundation, Inc.

Copyright (C) 2007-2014 Free Software Foundation, Inc.

Copyright (C) 2012-2014 Intel Corporation. All rights reserved.

Copyright (C) 2003-2014 Free Software Foundation, Inc.

Copyright (C) 2004-2014 Free Software Foundation, Inc.

Copyright (C) 2006-2014 Free Software Foundation, Inc.

Copyright (C) 2002-2014 Free Software Foundation, Inc.

Copyright (C) 2008-2014 Free Software Foundation, Inc.

Copyright (C) 2010, 2011 Free Software Foundation, Inc.

Copyright (C) 1997-2014 Free Software Foundation, Inc.

Copyright (C) 2005-2014 Free Software Foundation, Inc.

Copyright (C) 1998-2014 Free Software Foundation, Inc.

Copyright (C) 2001-2014 Free Software Foundation, Inc.

License: Apache License Version 2.0

Please see above

Software: Android - platform - prebuilts - gcc - linux-x86 - mips - mips64el-linux-android-4.9 6.0.0\_r1

#### Copyright notice:

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

Copyright (C) 2011-2014 Free Software Foundation, Inc.

Copyright (C) 2009-2014 Free Software Foundation, Inc.

Copyright (C) 2010-2014 Free Software Foundation, Inc.

Copyright (C) 2013-2014 Free Software Foundation, Inc.

Copyright (C) 2012-2014 Free Software Foundation, Inc.

Copyright (C) 1989-2014 Free Software Foundation, Inc.

Copyright (C) 1996-2014 Free Software Foundation, Inc.

Copyright (C) 1992-2014 Free Software Foundation, Inc.

Copyright (C) 1991-2014 Free Software Foundation, Inc.

Copyright (C) 2008-2014 Free Software Foundation, Inc.

Copyright (C) 2014 Free Software Foundation, Inc.

Copyright (C) 1997-2014 Free Software Foundation, Inc.

2016-05-06 HUAWEI Confidential Page 50, Total 61



Copyright (C) 2005-2014 Free Software Foundation, Inc.

Copyright (C) 2007-2014 Free Software Foundation, Inc.

Copyright (C) 1998-2014 Free Software Foundation, Inc.

Copyright (C) 2002-2014 Free Software Foundation, Inc.

Copyright (C) 2001-2014 Free Software Foundation, Inc.

License: Apache License Version 2.0

Please see above

**Software:** zxing 2.3.0

Copyright notice:

Copyright 2010 ZXing authors

Copyright 2006-2007 Jeremias Maerki. License: Apache License Version 2.0

Please see above.

**Software:** Android Support Library 23.0.1

**Copyright notice:** 

Copyright (C) 2007-2008 The Android Open Source Project Copyright (C) 2010 - 2015 The Android Open Source Project

License: Apache License Version 2.0

Please see above.

**Software:** Apache Felix Main 5.0.0

**Copyright notice:** 

Copyright 2006-2015 The Apache Software Foundation

Copyright (c) OSGi Alliance (2000, 2015).

License: Apache License Version 2.0

Please see above.

**Software:** Otto 1.3.8 **Copyright notice:** 

Copyright (C) 2012 Square, Inc. Copyright 2010 Google, Inc

License: Apache License Version 2.0

Please see above.

Software: TagLib Audio Meta-Data Library 1.9.1

Copyright notice:

copyright (C) 2002 - 2008 by Scott Wheeler.

copyright: (C) 2010 by Alex Novichkov copyright: (C) 2006 by Lukáš Lalinský

2016-05-06 HUAWEI Confidential Page 51, Total 61

copyright: (C) 2004 by Allan Sandfeld Jensen

copyright: (C) 2011 by Mathias Panzenb ck

copyright: (C) 2003 by Ismael Orenstein

copyright: (C) 2006 by Urs Fleisch

copyright: (C) 2006 by Aaron VonderHaar

copyright: (C) 2008 by Serkan Kalyoncu

copyright: (C) 2012 by Rupert Daniel

copyright: (C) 2012 by Tsuda Kageyu

copyright: (C) 2012 by Michael Helmling

copyright: (C) 2010 by Anton Sergunov

License: MPL V1.0

Mozilla Public License version 1.0MOZILLA PUBLIC LICENSE

Version 1.0

#### 1. Definitions.

- 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.
- 1.9. "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.
- 1.11. ``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.

2016-05-06 HUAWEI Confidential Page 52, Total 61



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.

#### 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 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

2016-05-06 HUAWEI Confidential Page 53, Total 61



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 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 notice described in Exhibit A. 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 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 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

2016-05-06 HUAWEI Confidential Page 54, Total 61



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 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", "NPL" 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 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, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. 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

2016-05-06 HUAWEI Confidential Page 55, Total 61



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

2016-05-06 HUAWEI Confidential Page 56, Total 61



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. EXHIBIT A.

"The contents of this file are subject to the Mozilla 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.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.

Software: mp3agic 0.8.3

Copyright notice:

Copyright (c) 2006-2013 Michael Patricios http://github.com/mpatric/mp3agic.

**License:** MIT License The MIT License

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.

**Software:** CyberLink4Java master-20121110

2016-05-06 HUAWEI Confidential Page 57, Total 61

#### **Copyright notice:**

Copyright (C) Satoshi Konno 2002-2004

License: BSD 3- Clause License

The BSD 3-Clause License

The following is a BSD 3-Clause ("BSD New" or "BSD Simplified") license template. To generate your own license, change the values of OWNER, ORGANIZATION and YEAR from their original values as given here, and substitute your own.

Note: You may omit clause 3 and still be OSD-conformant. Despite its colloquial name "BSD New", this is not the newest version of the BSD license; it was followed by the even newer BSD-2-Clause version, sometimes known as the "Simplified BSD License". On January 9th, 2008 the OSI Board approved BSD-2-Clause, which is used by FreeBSD and others. It omits the final "no-endorsement" clause and is thus roughly equivalent to the MIT License.

Historical Background: The original license used on BSD Unix had four clauses. The advertising clause (the third of four clauses) required you to acknowledge use of U.C. Berkeley code in your advertising of any product using that code. It was officially rescinded by the Director of the Office of Technology Licensing of the University of California on July 22nd, 1999. He states that clause 3 is "hereby deleted in its entirety." The four clause license has not been approved by OSI. The license below does not contain the advertising clause.

This prelude is not part of the license.

<OWNER> = Regents of the University of California

<ORGANIZATION> = University of California, Berkeley

<YEAR> = 1998

In the original BSD license, the occurrence of "copyright holder" in the 3rd clause read "ORGANIZATION", placeholder for "University of California". In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

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.
- 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, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS

2016-05-06 HUAWEI Confidential Page 58, Total 61



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

**Software:** PCSC Lite 1.8.13

Copyright notice:

Copyright (C) 1999-2004 David Corcoran <corcoran@linuxnet.com>
Copyright (C) 2003-2004 Damien Sauveron <damien.sauveron@labri.fr>
Copyright (C) 2002-2009 Ludovic Rousseau <ludovic.rousseau@free.fr>

Copyright (c) 2007,2008,2009 Mij mij@bitchx.it

Copyright (c) 1998 Todd C. Miller < Todd. Miller @courtesan.com>

License: BSD 3- Clause License

Software: Jomolhari alpha0.003c-2006

**Copyright notice:** 

Copyright (c) 2006, Christopher J Fynn, All Rights Reserved

**License:** 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.

2016-05-06 HUAWEI Confidential Page 59, Total 61

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.

DISCLAIMER

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 THE COPYRIGHT HOLDER 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.

**Software:** lohit-fonts 2.5.3

**Copyright notice:** 

Copyright 2011-12 Lohit Fonts Project contributors

License: SIL OPEN FONT LICENSE

All Rights Reserved

2016-05-06 **HUAWEI** Confidential Page60, Total61



#### Written Offer

This product contains software whose rights holders license it on the terms of the GNU General Public License, version 2 (GPLv2) and/or other open source software licenses. We will provide you and any third party with the source code of the software licensed under an open source software license if you send us a written request by mail or email to the following addresses:

#### mobile@huawei.com

detailing the name of the product and the firmware version for which you need the source code and indicating how we can contact you.

THIS OFFER IS VALID FOR THREE YEARS FROM THE MOMENT WE DISTRIBUTED THE PRODUCT AND VALID FOR AS LONG AS WE OFFER SPARE PARTS OR CUSTOMER SUPPORT FOR THAT PRODUCT MODEL.

2016-05-06 HUAWEI Confidential Page 61, Total 61