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<b>CM-CI1</b>	<b>CM_CI1_RN_AIVI_Scope3.x</b>	<b>23<sup>rd</sup> –Dec-2019</b>

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CM\_CI1\_RN\_AIVI\_Scope3.x**

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## 1 List of used Open Source Components.

This document contains a list of open source software (OSS) components used within the product under the terms of the respective licenses. The source code corresponding to the open source components is also provided along with the product wherever mandated by the respective OSS license

<b>Name of OSS Component</b>	<b>Version of OSS Component</b>	<b>Name and Version of License (License text can be found in Appendix below)</b>	<b>Home page</b>	<b>More Information</b>
7 Zip - LZMA SDK	9.2	Public Domain	<a href="http://www.7-zip.org/sdk.html">http://www.7-zip.org/sdk.html</a>	Copyright (C) 1999-2005, 2016 Igor Pavlov Copyright (C) 2007-2009 Industrie Dial Face S.p.A.
ACL	2.2.52	GNU Lesser General Public License v2.1 or later  LGPL-2.1+ GPL-2.0+ Public-domain FSF GPL V3 or later with autoconf exception FSF - Configure Script GNU Libtool GPL-2.0+ with exception	<a href="https://savannah.nongnu.org/projects/acl">https://savannah.nongnu.org/projects/acl</a>	(C) 1999, 2000 Andreas Gruenbacher Copyright (C) 1999,2000,2002,2003,2007,2011 Andreas Gruenbacher Copyright (C) 2001-2002 Silicon Graphics, Inc Copyright (C) SuSE Linux AG Copyright (c) 2007, 2008 Andreas Gruenbacher.  Copyright (c) 2003-2006 Silicon Graphics, Inc.  Copyright (C) 2012 Free Software Foundation, Inc.
AES - Advanced Encryption Standard	1	zlib License	<a href="http://www.lomont.org/Software/Misc/AES/AES.php">http://www.lomont.org/Software/Misc/AES/AES.php</a>	Copyright (C) 2000-2005 Chris Lomont


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Alsa Plugins	1.0.29	GNU Lesser General Public License v2.1 or later	<a href="ftp://ftp.alsa-project.org/pub/plugins/">ftp://ftp.alsa-project.org/pub/plugins/</a>	Copyright (c) 2008 by Sjoerd Simons Copyright (c) 2006 by Pierre Ossman
Alsa Utils	1.0.29	GNU General Public License v2.0 or later	<a href="ftp://ftp.alsa-project.org/pub/utils">ftp://ftp.alsa-project.org/pub/utils</a>	Copyright (c) by Abramo Bagnara Copyright (c)1999-2000,2008,2010 by Jaroslav Kysela Copyright (C) 2003 Greg Kroah-Hartman Copyright (C) 2004-2006 Kay Sievers Copyright (c)2004-2006 Clemens Ladisch Copyright (c) 1998,1999 Tim Janik Copyright (c) 1874 Lewis Carroll Copyright (C) 2008-2010 SlimLogic Ltd Copyright (C) 1999-2000,2003 by Takashi Iwai Copyright (C) 2000-2004 James Courtier-Dutton Copyright (C) 2005 Nathan Hurst
Android - platform - bootable - recovery	Unspecified	Apache License 2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright: 2007 The Android Open Source Project
apitrace	7.1	MIT License	<a href="http://github.com/apitrace/apitrace/">http://github.com/apitrace/apitrace/</a>	Copyright 2009,2010,2013,2014,2015,2016 Google Inc Copyright 2012,2013 Intel Corporation Copyright 2010-2016 VMware, Inc Copyright 2011-2014 Jose Fonseca Copyright 2011 LunarG, Inc Copyright 2015 Alexander Trukhin Copyright 2013 Samsung Contributed by Eugene Velevich Copyright 2006 Keith Packard and Carl Worth Copyright 2011 Zack Rusin, Copyright 2004 IBM Corporation



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asn1c	0.9.27	BSD 2-clause "Simplified" License	<a href="http://github.com/vlm/asn1c/">http://github.com/vlm/asn1c/</a>	Copyright (c) 2004, 2006 Lev Walkin Copyright (c) 2003, 2004 X/IO Labs, xiolabs.com
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base-passwd	3.5.29	GNU General Public License v2.0 only	<a href="http://packages.debian.org/source/wheezy/base-passwd">http://packages.debian.org/source/wheezy/base-passwd</a>	Copyright 1999-2002 Wichert Akkerman Copyright 2002, 2003, 2004 Colin Watson
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bison	3.0.4, 2.7.1, 3.0.2	GNU General Public License v3.0 or later with Bison exception 2.2	<a href="http://savannah.gnu.org/projects/bison/">http://savannah.gnu.org/projects/bison/</a>	Copyright (C) 1984, 1989-1990, 2000-2015 Free Software Foundation, Inc
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USB Utils	8	GNU General Public License v2.0 or later	<a href="https://www.kernel.org/pub/linux/utils/usb/usbutils/">https://www.kernel.org/pub/linux/utils/usb/usbutils/</a>	Copyright (C) 2003 Aurelien Jarno (aurelien@aurel32.net), Copyright (C) 1999, 2000 Thomas Sailer (sailer@ife.ee.ethz.ch), Copyright (C) 2013 Tom Gundersen (teg@jklm.no), Copyright (C) 2003-2005 David Brownell, Copyright (C) 2010 Nikolai Kondrashov, Copyright (C) Kurt Garloff <garloff@suse.de>, 2/2009, Copyright (C) Kurt Garloff <kurt@garloff.de>, 9/2013
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util-unix-ng	2.26.2	GNU General Public License v2.0 or later	<a href="https://www.kernel.org/pub/linux/utils/util-linux/">https://www.kernel.org/pub/linux/utils/util-linux/</a>	<p>           Copyright (c) 2008 Roy Peled,            Copyright (C) 2000-2002            Transmeta Corporation, Copyright            (c) 2004-2006 by Michael Holz            Copyright Red Hat Software, 1999,            2000, Copyright (C) 2010 Jason            Borden &lt;jborden@bluehost.com&gt;,            Copyright (C) 2008,2010 Karel Zak            &lt;kzak@redhat.com&gt;, Copyright (C)            2008-2009 Karel Zak            &lt;kzak@redhat.com&gt;, Copyright (C)            1994-1999 Kevin E. Martin            Copyright (C) 1995 Andries E.            Brouwer (aeb@cwi.nl), Copyright            (C) 1999-2008 by Theodore Ts'o,            Copyright (C) 2010 Davidlohr            Bueso &lt;dave@gnu.org&gt;, Copyright            (C) 2012 Ondrej Oprala            &lt;ooprala@redhat.com&gt; Copyright            (C) 2012 Sami Kerola            &lt;kerolasa@iki.fi&gt;, Copyright (C)            2009-2010 Free Software            Foundation, Inc Copyright (C) 2011            Davidlohr Bueso &lt;dave@gnu.org&gt;,            Copyright 2010 Lennart Poettering            Copyright (C) 2001 Andreas Dilger,            Copyright (C) Andries Brouwer,            Copyright (C) 2013 Rolf Fokkens            &lt;rolf@fokkens.nl&gt; Copyright (C)            2010 Jeroen Oortwijn            &lt;oortwijn@gmail.com&gt;, Copyright            (C) 2009 by Bastian Friedrich            &lt;bastian.friedrich@collax.com&gt;            Copyright (C) 2011 by Philipp            Marek &lt;philipp.marek@linbit.com&gt;,            Copyright 1996, 2003 Rickard E.            Faith (faith@acm.org) Copyright (c)            1987, 1992 The Regents of the            University of California, Copyright            (c) 2000-2001 Gunnar Ritter,            Copyright (C) 1990 Gordon Irlam            (gordoni@cs.ua.oz.au), Copyright            (C) 2008, James Youngman            &lt;jay@gnu.org&gt; Copyright (C) 2008            Hayden A. James            (hayden.james@gmail.com) ,            Copyright (C) 2012-2013 Eric            Biederman            &lt;ebiederm@xmission.com&gt;            Copyright (C) 2011 Davidlohr            Bueso &lt;dave@gnu.org&gt;, Copyright            1995 Nick Simicich            (njs@scifi.emi.net) Copyright (C)            2005 Jens Axboe            &lt;jens@axboe.dk&gt;, Copyright (c)            1997-2005 Frodo Looijaard            &lt;frodo@frodo.looijaard.name&gt;         </p>
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apparmor	2.11.0	GPL-2.0 GPL-2.0+ GNU MP Library file license Novell Inc. and Canonical Ltd License Canonical Ltd License LGPL-2.1 BSD - 3 Clause Public-domain Makefile FSF licens FSF GPL-2.0+ with autoconf exception GPL V3 or later with autoconf exception FSF - Configure Script X11 GNU Libtool GPL-2.0+ with exception  MIT - Petri Lehtinen		Dual License - GPL-2.0+ & BSD - 3 Clause  Copyright © 2006 SUSE Linux Products GmbH. Copyright © 2005, 2006 Gnome i18n Project for Vietnamese. Copyright © 2005 Danilo Segan &lt;danilo@gnome.org>; Copyright © 2004 Scott James Remnant &lt;scott@netsplit.com>  Copyright 2014 Canonical Ltd. Copyright 1992-2016 Free Software Foundation, Inc. Copyright (c) 2015 RoCopyright (c) 2007, 2008 Andreas Gruenbacher. Copyright (c) 2003-2006 Silicon Graphics, Inc. Copyright (C) 2012 Free Software Foundation, Inc.setta Contributors and Canonical Ltd 201 Copyright (c) 2013 Christian Boltz (All rights reserved) Copyright (c) 2009 Dulmandakh Sukhbaatar &lt;dulmandakh@gmail  Copyright (c) 2008 Dominic Reynolds Copyright (c) 2006 SUSE Linux Products GmbH, Nuernberg, Germa  Copyright (c) 2006 Novell, Inc. Copyright (C) Per Jessen Copyright (C) 2016 intrigeri Copyright (C) 2015-2016 Simon De
audit	2.4.5	LGPL-2.1+ FSF GPL-2.0+ with autoconf exception GPL V3 or later with autoconf exception FSF - Configure Script Public-domain X11 GNU Libtool GPL-2.0+ with exception LGPL-2.0+ Free Software License - Paolo Bonzini GPL-2.0+ LGPL-2.1 BSD-2 Clause		copyright 2007-2011, Philipp Matthias Hahn &lt;pmhahn@debian.org Copyright: 2005-2008 Steve Grubb,sgrubb@redhat.com&gt; Copyright 2015 Red Hat Inc., Durham, North Carolina. Copyright (©) 2009-2015 Marc Alexander Lehmann  Copyright (c) 2011 IBM Corp.  Copyright (c) 2008 Paolo Bonzini Copyright (C) 2003-2014 Free Software Foundation, Inc.  Dual License - GPL-2.0+ & BSD - 2 Clause
base-passwd	3.5.44	GPL-2.0 GPL-2.0+ Public-domain		copyright 2002, 2003 Colin Watson. copyright 1999 Wichert Akkerman Copyright: Copyright 2001, 2002 Joey Hess

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				Copyright 2007 David Mandelberg Copyright (C) 2014 the base-passwd's copyright holder. Copyright (C) 2004 Nicolas FRANCOIS
Coreutils-gplv2	6.9	GPL-2.0+ GFDL-1.2+ GPL-2.0+ with autoconf exception FSF Curl Component license GNU MP Library file license BSD 4 Clause with Advertising clause omitted BSD-3 Clause ISC LGPL-2.1+ GPL-2.0+ with bison exception cut-down "BSD license" LGPL-2.0+ Public-domain Makefile FSF license MIT X11 GFDL-1.2 Curl Component license GPL-2.0 GNU gettext support file license Public domain GPL V3 or later with autoconf exception FSF - Configure Script GFDL V1.3 or later FSF without royalty		Copyright 2007 Free Software Foundation, Inc. Copyright (C) 2004, 2006 Simon Josefsson
dash	0.5.8	BSD-3 Clause Public-domain Makefile FSF license GPL-2.0+ GPL-1.0+ MIT-Matt Johnston and Mihnea Stoenescu GPL v3 or later with Bison exception FSF FSF - Configure Script GNU Libtool GPL-2.0+ with exception		Copyright (c) 2007 Herbert Xu ;herbert@gondor.apana.org.au Copyright (c) 1999 Main code: Adam Rogoyski;rogoyski@cs.utexas.edu; Etc: Dave Cinege ; dcinege@psychosis.com Copyright (c) 1995 The Regents of the University of California. Copyright (C) 2012 Free Software Foundation, Inc. Copyright (C) 1994 X Consortium

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		GPL-2.0+ with autoconf exception	
dlt-daemon	2.16	MPL-2.0 MIT FSF without royalty	copyright Copyright © 2017 Advanced Driver Information Technology. Copyright 2010 Lennart Poettering Copyright (C) 2011-2015, BMW AG Copyright (C) 2011-2012, BMW AG – Alexander Wenzel
dpkg	1.18	GPL-2.0+ Public-domain GPL-2.0 Curl Component license GNU MP Library file license MIT-Matt Johnston and Mihnea Stoenescu ISC MIT - Eric Haszlakewicz MIT- Matt Johnston Zlib license FSF GPL V3 or later with autoconf exception X11 GNU Libtool GPL-2.0+ with exception GPL-2.0+ with autoconf exception GNU gettext support file license LGPL-2.0+ Makefile FSF license FSF - Configure Script	© 2011 Kees Cook © 2010-2011 Raphaël Hertzog © 2007, 2008 Frank Lichtenheld © 2007 Guillem Jover" © 2005 Scott James Remnant" © 2001 Wichert Akkerman" © 2001 Joey Hess" © 1997,1998 Charles Briscoe-Smith med "flera." © 1996 Kim-Minh Kaplan" © 1995, 1996 Erick Branderhorst" Copyright © Colin Watson ; Copyright © 2015 Guillem Jover Copyright © 2014 Nir Soffer Copyright © 2011 Matt Kraai &lt; kraai@ftbfs.org&gt;; Copyright © 2011 Linaro Limited Copyright © 2010 OXAN van Leeuwen Copyright © 2009 Romain Francois Copyright © 2009 Chris Coulson Copyright © 2009 Canonical Ltd. Copyright © 2008 Zack Weinberg Copyright © 2008 Samuel Thibault Copyright © 2008 Pierre Habouzit Copyright © 2008 James Westby Copyright © 2008 Frank Lichtenheld Copyright © 2008 Andreas Pahlsson Copyright © 2007-2015 Guillem Jover Copyright © 2007, 2008 Tollef Fog Heen Copyright © 2007 Nicolas François Copyright © 2007 Don Armstrong Copyright © 2007 Colin Watson

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findutils	4.2.3 1	GPL-2.0+ GNU Copyright statement -Verbatim copies FSF GPL-2.0 GPL v3 or later with Bison exception Curl Component license LGPL-2.0+ GNU gettext support file license Public domain GPL V3 or later with autoconf exception Public-domain LGPL-2.1 Makefile FSF license FSF - Configure Script GPL-2.0+ with autoconf exception X11	Copyright © 2006 Free Software Foundation, Inc.
glib2.0	2.50. 2	LGPL-2.0+ Red Hat, Inc License BSD-3 Clause LGPL-2.1+ AFL-2.0 FSF MIT - Dmitry Matveev Antoine Jacoutot BSD-3 University of Cambridge GPL-2.0+ LGPL-2.0+ GAsyncQueue license LGPL-2.1+ BSD-3 PCRE License Valgrind License GBSearchArray License GPL-2.0+ with autoconf exception GNU NLS utilities package License LGPL-2.1+ MIT - Petri Lehtinen FSF GNU MP Library file license GPL V3 or later with autoconf exception FSF - Configure Script Public-domain X11 GNU Libtool GPL-2.0+ with exception	Copyright © 2015 Patrick Griffis Copyright © 2015 Collabora, Ltd. Copyright © 2015 Canonical Limited Copyright © 2014 NICE s.r.l. Copyright © 2013 Lars Uebernickel Copyright © 2012-2015 Dan Nicholson Copyright © 2012,2013 Colin Walters Copyright © 2011 William Hua Copyright © 2011 Ryan Lortie Copyright © 2011 Red Hat, Inc Copyright © 2011 Nokia Corporation Copyright © 2010 Novell, Inc. Copyright © 2010 Codethink Limited Copyright © 2010 Christian Persch Copyright © 2009-10 Sam Thursfield Copyright © 2006 Ubuntu Georgian Translators. Copyright © 2004 Scott James Remnant Copyright © 2002-2016 the glib authors. Copyright © 2001-2016 Free Software Foundation, Inc. Copyright © 1998-2011 Tim Janik, Red Hat, Inc. Copyright © 1995-2011 Peter Mattis, Spencer Kimball, Josh MacDonald, Sebastian Wilhelmi and others. Copyright 2016 Endless Mobile, Inc.



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hostname	3.16	GPL-2.0+	.	<p>Copyright (C) 2009 Michael Meskes meskes@debian.org;</p> <p>Copyright (C) 2004-2005 Graham Wilson graham@debian.org;</p> <p>Copyright (C) 1997 Peter Tobias ;tobias@et-inf.fho-emden.de;</p> <p>Copyright (C) 1997 Bernd Eckenfels</p> <p>Copyright (C) 1996 Free Software Foundation, Inc</p>
init-system-helpers	1.29	GPL-2.0+ GPL-2.0 BSD-3 Clause LGPL-2.1+ GPL-2.0+ FSF - Configure Script LGPL-2.0+ Curl Component license Public-domain GNU MP Library file license		<p>© 2013-2014 Michael Stapelberg            Copyright (c) 2000,2001 Henrique de Moraes Holschuh</p> <p>Copyright (C) 2014 Ondřej Surý</p> <p>Copyright (C) 2008 Canonical Ltd.</p> <p>Copyright (C) 2006 Red Hat, Inc.</p> <p>(c) 2003 Software in the Public Interest</p>
kmod	22	LGPL-2.1+ GPL-2.0+ FSF - Configure Script LGPL-2.0+ Public-domain Curl Component license GNU MP Library file license		<p>Copyright © 2007-2010 Josh Triplett; josh@joshtriplett.org</p> <p>Copyright 2014, Marco d'Itri.</p> <p>Copyright 2010 Lennart Poettering</p> <p>Copyright 2006-2010, Jon Masters, Red Hat, Inc.</p> <p>Copyright 2004, Rusty Russell, IBM Corporation.</p> <p>Copyright (c) 2006-2008 xine project</p> <p>Copyright (c) 2006-2008 Diego Pettenò ;flameeyes@gmail.com;</p> <p>Copyright (C) 2015 Intel Corporation.</p> <p>Copyright (C) 2013 Tom Gundersen ; teg@jklm.no;</p> <p>Copyright (C) 2013 Michal Marek, SUSE</p> <p>Copyright (C) 2012-2013 ProFUSION embedded systems</p> <p>Copyright (C) 2012 W. Trevor King ; wking@tremily.us;</p> <p>Copyright (C) 2012 Red Hat, Inc. W. Trevor King</p> <p>Copyright (C) 2012 Pedro Pedruzzi</p> <p>Copyright (C) 2008 Alan Jenkins ;alan-jenkins@tuffmail.co.uk;.</p>

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libcap-ng	0.7.7	LGPL-2.1+ GPL-2.0+ with autoconf exception GPL-2.0+ Public-domain Makefile FSF license FSF GPL V3 or later with autoconf exception FSF - Configure Script X11 GNU Libtool GPL-2.0+ with exception		Copyright 2015 Red Hat Inc., Durham, North Carolina. Copyright 2009-2015 Steve Grubb ;sgrub@redhat.com; Copyright 1992-2014 Free Software Foundation, Inc. Copyright (C) 1994 X Consortium
libcap2	2.24	BSD-3 Clause LGPL-2.0+ GPL-2.0+		Dual License - BSD - 3 Clause & GPL-2.0  Copyright: 2014, Daniel Baumann ; mail@daniel-baumann.ch; opyright: 2010 Serge Hallyn ; serue@us.ibm.com; Copyright: 2006, Matt Kern ;matt.kern@undue.org; Copyright: 1998 Finn Arne Gangstad ;finnag@guardian.no; opyright: 1997-2014 Andrew G. Morgan ;morgan@linux.kernel.o  Copyright (C) 1997 Aleph One Copyright (C) 1989, 1991 Free Software Foundation,
libffi	3.2.1	MIT MIT - Petri Lehtinen MIT - Eric Haszlakewicz GPL-2.0+ Public-domain GPL V3 or later with autoconf exception GPL-2.0+ with autoconf exception FSF GNU MP Library file license FSF - Configure Script X11 GNU Libtool GPL-2.0+ with exception GPL V3 with Tex exception		Copyright @copyright{} 2008, 2010, 2011 Red Hat, Inc. Copyright 1992-2013 Free Software Foundation, Inc. Copyright (c) 2014 Sebastian Macke ;sebastian@macke.de; Copyright (c) 2014 Anthony Green Copyright (c) 2013 The Written Word Inc. Copyright (c) 2013 Tensilica, Inc. Target configuration macros for XTENSA. Copyright (c) 2013 Synopsys, Inc. (www.synopsys.com) Copyright (c) 2013 Miodrag Vallat. ;miod@openbsd.org; Copyright (c) 2013 Mentor Graphics. Copyright (c) 2012, 2013 Xilinx, Inc Copyright (c) 2012 Tiler Corp. Copyright (c) 2012 Thorsten Glaser Copyright (c) 2012 Alexandre K. I. Copyright (c) 2012 Alan Hourihane Copyright (c) 2011 Timothy Wall

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libgcc		GPL V3 or later with Exception BSD-3-Clause FSF without royalty FSF LGPL-2.1+ Public-domain	GCC Runtime Library	<p>Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler, Copyright (C) 1995-2017 Jean-loup Gailly, Copyright (C) 1995-2017 Mark Adler, Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler            Copyright (c) 1991 The Regents of University of California.            Copyright (C) 2016 Free Software Foundation, Inc.</p>

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				Copyright (C) 1991 by Pipeline Associates, Inc.
libgcrypt20	1.6.5	LGPL-2.1+ FSF GNU MP Library file license Public-domain MIT- Matt Johnston BSD 3 clause CSFRNG  GPL-2.0+ GPL-2.0 LGPL-2.1 GPL-2.0-with-autoconf-exception X11 GNU Libtool GPL-2.0+ with exception Internet society License cut-down "BSD license" Curl Component license BSD 3 Clause-Todd C. Miller ISC MIT		Dual License LGPL-2.1+ & BSD 3 clause CSFRNG  Copyright © 2013 Jussi Kivilinna ;jussi.kivilinna@iki.fi>; Copyright Peter Gutmann, Paul Kendall, and Chris Wedgwood 1996-1999. Copyright © copyright{} 2012, 2013 g10 Code GmbH Copyright 2011 Free Software Foundation, Inc. Copyright (c) 2012 Intel Corporation Copyright (c) 1996 L. Peter Deutsch Copyright (C) The Internet Society (1998). Copyright (C) 2013-2015 Jussi Kivilinna Copyright (C) 2013-2014 Dmitry Eremin-Solenikov Copyright (C) 2013 Christian Grothoff Copyright (C) 2012 Simon Josefsson Niels Möller Copyright (C) 2006-2007 NTT Copyright (C) 2003 Nikos Mavroyanopoulos Copyright (C) 1997 Werner Koch Copyright (C) 1996-2006 Peter Gutmann, Matt Thomlinson and Blake Coverett
libgpg-error	1.21	LGPL-2.1+ GPL-2.0+ FSF Public-domain GNU gettext support file license GPL-2.0 BSD-3-Clause FSF - Configure Script GPL-2.0+ with autoconf exception GPL V3 or later with autoconf exception X11		Copyright: 2001-2004, 2010, 2012-2014 , g10 Code GmbH Copyright © 2009 Free Software Foundation, Copyright (C) 2014 Jedi Lin Copyright (C) 1995-1997, 2000-2007, 2009-2010 by Ulrich Drepper Copyright (C) 1994 X Consortium

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		GNU Libtool GPL-2.0+ with exception LGPL-2.0	
libseccomp	2.3.1	GPL-2.0 LGPL-2.1 Public-domain Makefile FSF license GPL-2.0+ GPL-2.0+ with autoconf exception GPL V3 or later with autoconf exception X11 GNU Libtool GPL-2.0+ with exception MIT - Petri Lehtinen Curl Component license FSF LGPL-2.0+ FSF - Configure Script	Copyright: 2013 Vitaly Shukela ; vi0oss@gmail.com; Copyright: 2012 Paul Moore pmoore@redhat.com; Copyright: 2012 Kees Cook ;kees@debian.org; Copyright: 2006 Bob Jenkins ; bob_jenkins@burtleburtle.net; Copyright IBM Corp. 2012 Author: Corey Bryant ; coreyb@linux.vnet.ibm.com; Copyright 1992-2015 Free Software Foundation, Inc. Copyright (c) 2016 Helge Deller ;deller@gmx.de; Copyright (c) 2015 Mathias Krause ;minipli@googlemail.com; Copyright (c) 2015 Freescale ;bogdan.purcareata@freescale.com; Copyright (C) 2015 Canonical Ltd. Copyright (C) 1994 X Consortium
libselinux	2.4	Zlib licens Public-domain GNU MP Library file license GPL-2.0 MIT - Petri Lehtinen	© 2005, 2006, Manoj Srivastava srivasta@debian.org; Copyright: 2004 Red Hat, Inc., James Morris ;jmorris@redhat.com;
libstdc++-v3		FSF GPL V3 or later with GCC Runtime Library Exception	Copyright (c) 2001, 2002, 2003 Peter Dimov and Multi Media Ltd. Copyright (c) 1998 Silicon Graphics Computer Systems, Inc. Copyright (c) 1994 Hewlett-Packard Company Copyright (C) 2015 Free Software Foundation, Inc.


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libx11	1.6.3	Tektronix License FSF GPL-2.0+ with autoconf exception FSF - Configure Script Public-domain Makefile FSF license GNU Libtool GPL-2.0+ with exception ISC Open Group ISC FUJITSU LIMITED Digital Equipment Corporation ISC TOSHIBA Corp Tektronix, Inc. License ISC IBM License MIT - Digital Equipment Corporation License ISC X11 ISC Digital Equipment License ISC Open Group MIT HPND Freeware	Copyright © 2009 Red Hat, Inc. Copyright © 2006 Josh Triplett ;josh@freedesktop.org; Copyright © 2006 Jamey Sharp ;sharpone@debian.org; Copyright © 2005 Keith Packard Copyright © 2005 David Nusinow ;dnusinow@debian.org; Copyright © 2005 Daniel Stone ;daniel@fooishbar.org; Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright © 1994 X Consortium Copyright © 1985, 1986, 1987, 1988, 1989, 1991 Digital Equipment Corporation&lt; Copyright \co 2000 The XFree86 Project, Inc. Copyright \co 1990, 1991 by Tektronix, Inc. Copyright IBM Corporation 1993 Copyright 2009, 2010, Oracle and/or its affiliates. Copyright 2000 by Bruno Haible Copyright 1999 Oracle and/or its affiliates. Copyright 1996, 1998 The Open Group Copyright 1995 by FUJITSU LIMITED Copyright 1993, 1994 by the Sony Corporation Copyright 1990, 1991 by OMRON Corporation Copyright 1988 by Wyse Technology, Inc., San Jose, Ca.,	
libxau	1.0.8	GPL-2.0 X11 Public-domain Makefile FSF license FSF GPL V3 or later with autoconf exception FSF - Configure Script GPL-2.0+ GPL-2.0+ with autoconf exception GNU Libtool GPL-2.0+ with exception	Copyright © 2005 David Nusinow ;dnusinow@debian.org; Copyright © 2005 Daniel Stone ;daniel@fooishbar.org; Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright © 2003 Keith Packard, Noah Levitt Copyright 2005 Red Hat, Copyright 1998-2005, 2007 Branden Robinson Copyright 1997 Mark Eichin Copyright 1996 Stephen Early Copyright 1992-2013 Free Software Foundation, Inc. Copyright 1988, 1998 The Open Group Copyright (c) 2010, Oracle and/or its affiliates. Copyright (c) 2009 Steven G. Johnson ;stevenj@alum.mit.edu;	


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				Copyright (c) 2009 Mike Frysinger ;vapier@gentoo.org; Copyright (c) 1994 X Consortium
libxcb	1.11.1	GPL V3 or later with autoconf exception GPL-2.0+ with autoconf exception GNU Libtool GPL-2.0+ with exception X11 Public-domain GPL-2.0+ FSF Makefile FSF license FSF - Configure Script		Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright 2005 Red Hat, Inc Copyright 1992-2014 Free Software Foundation, Inc. Copyright (c) 2009 Steven G. Johnson ;stevenj@alum.mit.edu; Copyright (c) 2009 Mike Frysinger ;vapier@gentoo.org; Copyright (c) 2009 Matteo Frigo Copyright (c) 2005, 2006, Oracle and/or its affiliates. Copyright (C) 2001-2008 Bart Massey and Jamey Sharp. Copyright (C) 1994 X Consortium
libxdmcp	1.1.2	ISC Open Group GPL-2.0 X11 MIT NTP Public-domain Makefile FSF license FSF GPL-2.0+ with autoconf exception FSF - Configure Script GNU Libtool GPL-2.0+ with exception GPL-2.0+ ISC License		Copyright © 2005 David Nusinow ;dnusinow@debian.org; Copyright © 2005 Daniel Stone ;daniel@fooishbar.org; Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright © 2003 Keith Packard, Noah Levitt Copyright 2005 Red Hat, Copyright 1998-2005, 2007 Branden Robinson Copyright 1997 Mark Eichin Copyright 1996 Stephen Early Copyright 1992-2014 Free Software Foundation, Inc. Copyright 1989, 1998 The Open Group Copyright 1989 Network Computing Devices, Inc., Mountain View, California. Copyright (c) 2013, Oracle and/or its affiliates. Copyright (c) 2009 Steven G. Johnson ; stevenj@alum.mit.edu; Copyright (c) 2009 Mike Frysinger ; vapier@gentoo.org; Copyright (c) 2009 Matteo Frigo




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lz4	0.0~ r131	BSD-2-Clause MIT - Petri Lehtinen GPL-2.0+ GPL-2.0		Copyright: Takayuki Matsuoka Copyright: Copyright (C) 2011-2015, Yann Collet.  Copyright: 2013 Nobuhiro Iwamatsu Copyright (c) 2015, Louis P. Santillan ; lpsantil@gmail.com
pam	1.1.8	BSD-3 Clause Public-domain X11 GPL-2.0+ MIT GPL-2.0+ with autoconf GNU Libtool GPL-2.0+ with exception Curl Component license FSF FSF - Configure Script MIT - Theodore Ts'o BSD-3 Clause LGPL-2.0+ Beerware BSD style Wietse Venema license GPL-2.0		Dual License - GPL-2.0+ & BSD - 3 Clause  Copyright © 2010 Free Software Foundation, Inc. Clytie Siddall ;clytie@riverland.net.au;, 2007-2010 Copyright © 2007, 2008 Red Hat, Inc. Red Hat author: Miloslav Trmač ;mitr@redhat.com; Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright Theodore Ts'o, 1996. Copyright Alexander O. Yuriev, 1999 Copyright 2004 by Sam Hartman Copyright 1999 by Ben Collins Copyright 1995 by Wietse Venema. Copyright 1994, 1995, 1996 Olaf Ki Copyright 1989 - 1994, Julianne Frances Haugh Copyright (c) Red Hat, Inc., 2009 Copyright (c) Jan Rêkorajski, 1999. Copyright (c) Cristian Gafton 1996. Copyright (c) Alex O. Yuriev, 1996. Copyright (c) 2007 Steve Langasek Copyright (c) 2005 Darren Tucker Copyright (C) Theodore Ts'o, 1996. Copyright (C) 2008 Canonical Ltd. Copyright (C) 1995-1997, 2000-200 by Ulrich Drepper Copyright (C) 1996, 1997, 1999 Cris Gafton Copyright (C) 1999 Ben Collins Copyright (C) 2009 Deng Xiyue Copyright (c) 2001-2002 Andrew Morgan Copyright (c) 2009 Thorsten Kukuk

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pcre3	8.38	BSD-3-Clause BSD-2-Clause BSD-3 University of Cambridge FSF GPL-2.0+ with autoconf exception FSF - Configure Script GPL-2.0+ Public-domain X11 GNU Libtool GPL-2.0+ with exception GPL V3 or later with autoconf exception Makefile FSF license BSD-3 Google	Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright 2013-2013 Tlera Corporation(jiwang@tilera.com). Copyright 2009-2012 Zoltan Herczeg (hzmester@freemail.hu). Copyright 2003 and onwards Google Inc. Author: Sanjay Ghemawat Copyright 1992-2014 Free Software Foundation, Inc. Copyright (c) 2011 Daniel Richard G. ;skunk@iSKUNK.ORG; Copyright (c) 2008 Steven G. Johnson ;stevenj@alum.mit.edu; Copyright (c) 2001, Alexander Tokarev Copyright (C) 1994 X Consortium (c) 2010-2015 Zoltan Herczeg (c) 2001 Peter S. Voronov aka Chem O'Dun ;petervrn@yahoo.com;
procps	3.3.10	GPL-2.0+ LGPL-2.0+ GPL-2.0 LGPL-2.0 LGPL-2.1+ GPL v3 or later with Bison exception Curl Component license GPL-2.0+ with autoconf exception FSF Public-domain GNU gettext support file license verbatim manual 3 license Makefile FSF license FSF - Configure Script GNU Libtool GPL-2.0+ with exception	copyright 2002 Albert Cahalan Copyright: 2013 Jaromir Capik ; jcapik@redhat.com; Copyright: 2011 Sami Kerola ; kerolasa@iki.fi; Copyright: 2002-2014 James C. Warner Copyright: 2000 Kjetil Torgim Homme ;kjetilho@ifi.uio.no; 2002,2006 Albert Cahalan 2012 Roberto Polli ;rpolli@babel.it; Copyright: 1999 George Staikos Copyright: 1997-2015 Craig Small ;csmall@debian.org; Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright 2004 Nicholas Miell. Copyright 1996-2003 Free Software Foundation, Inc. Copyright 2003 Robert Love Copyright 1996 Charles L. Blake. Copyright 1994 by Henry Ware ;al172@yfn.ysu.edu;. Copyright (c) Dec 1993, Oct 1994 Steve "Mr. Bassman" Bryant bassman@hpbbi30.bbn.hp.com Copyright (c) 2011-2014, by: James C. Copyright (c) 1995 Martin Schulze ; joey@infodrom.north.de; Copyright (c) 1993 Larry Greenfield Copyright (C) 1998 Miquel van Smoorenburg. Copyright (C) 1998 Michael K. Johnson Copyright (C) 1994 Henry Ware ;

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				al172@yfn.ysu.edu;
systemd	232	GPL-2.0+ MIT LGPL-2.1+ GPL-2.0 GPL-2.0+ with autoconf exception GPL V3 or later with autoconf exception Public domain LGPL-2.0+ FSF - Configure Script		Copyright abandoned, 2000, Niels Kristian Bech Jensen ;nkbj@image.dk; Copyright Tom Gundersen ;teg@jklm.no; Copyright 2016 Zeal Jagannatha Copyright 2016 Zbigniew Jędrzejewski-Szmek Copyright 2016 Susant Sahani Copyright 2016 Michal Soltys ;soltys@ziu.info; Copyright 2016 Michael Karcher Copyright 2016 Lennart Poettering Copyright 2016 Julian Orth Copyright 2016 Jan Synáček Copyright 2016 Gabor Kelemen Copyright 2016 Djalal Harouni Copyright 2016 Andreas Rammhold ;andreas@rammhold.de; Copyright 2016 Alexander Shopov ;ash@kambanaria.org; Copyright 2015, 2016 Viktor Vaučkovič Copyright 2015 Zbigniew Jędrzejewski-Szmek Copyright 2015 Werner Fink Copyright 2015 Tom Gundersen Copyright 2015 Ronny Chevalier Copyright 2015 Rafael Ferreira Copyright 2015 Lennart Poettering Copyright 2015 Jeff Huang Copyright 2015 Filipe Brandenburger Copyright 2015 David Herrmann ; dh.herrmann@gmail.com; Copyright 2015 Daniel Mack Copyright 2015 Chris Morgan Copyright 2015 Canonical Copyright 2015 Boyuan Yang Copyright 2014 Vinay Kulkarni

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Coreutils-glpv2	6.9-0co11b1a1	GPL-2.0+ Public-domain GPL V2 or later with autoconf exception GFDL-1.2+ GPL-2.0 BSD-3-Clause GFDL-1.2 ISC FSF X11 LGPL-2.1+ GPL-2.0+-with- bison-exception Public domain GPL V2 or later with texinfo exception FSF - Configure Script		Copyright 1991-2004 Miquel van Smoorenburg Copyright 1989, 1991-2016 Free Software Foundation, Inc. Copyright (c) 1996-1999 by Internet Software Consortium. Copyright (c) 1990, 1993, 1994 The Regents of the University of California. All rights reserved. Copyright (C) 2004, 2006 Simon Josefsson Copyright (C) 2000-2005 Pavel Roskin &lt;proski@gnu.org&gt; Initially written by Tom Tromeey &lt;tromeey@cygnus.com&gt; Completely rewritten by Pavel Roskin &lt;proski@gnu.org&gt; Copyright (C) 1997, 1998, 1999 Colin Plumb. Copyright (C) 1995-1997, 2000-2006 by Ulrich Drepper &lt;drepper@gnu.ai.mit.edu&gt; Copyright (C) 1994, 1995, 1997, 1998, 1999, 2000 H. Peter Anvin Copyright (C) 1994 X Consortium Copyright (C) 1984 David M. Ihnat
cryptsetup	2.0.6	GPL-2.0+ LGPL-2.1+ CC0-1.0 Apache-2.0 Public-domain GPL-2.0 Freeware FSF CC-BY-SA-3.0 CC-BY-SA-4.0		© 2018 Erik Nellesen © 2016-2018 Guilhem Moulin © 2015 Samuel Neves © 2015 Jean-Philippe Aumasson © 2015 Dmitry Khovratovich © 2010-2018 Milan Broz © 2009,2014 Peter Lebbing © 2008-2018 Red Hat, Inc. © 2005-2006 Michael Gebetsroither © 2004-2008 Clemens Fruhwirth Copyright: © 2015-2018 Guilhem Moulin Copyright: © 2015 Thomas Pornin

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libffi	3.2.1 - 9ba1	MIT GPL V2 or later with autoconf exception Public-domain GPL-2.0+ GPL V3 or later with autoconf exception GNU Libtool GPL v2 or later with exception X11 LGPL-2.1+ GPL V3 or later with Tex exception FSF - Configure Script		<b>Dual license - GPL-2.0+ &amp; LGPL-2.1+</b>  Copyright @copyright{} 2008, 2010, 2011 Red Hat, Inc. Copyright 1992-2013 Free Software Foundation, Inc. Copyright (c) 2014 Sebastian Macke Copyright (c) 2014 Anthony Green Copyright (c) 2013 The Written Word Inc. Copyright (c) 2013 Tensilica, Inc. Target configuration macros for XTENSA. Copyright (c) 2013 Synopsys, Inc. (www.synopsys.com)

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libsecc omp	2.3.3 - 3ba1	LGPL-2.1 GPL V2 or later with autoconf exception Public-domain GPL V3 or later with autoconf exception GNU Libtool GPL v2 or later with exception X11 FSF - Configure Script MIT		Copyright: 2013 Vitaly Shukela ; Copyright: 2012 Paul Moore 2012 Ashley Lai 2012 Corey Bryant2 012 Eduardo Otubo 2012 Eric Paris Copyright: 2012 Kees Cook Copyright: 2006 Bob Jenkins Copyright IBM Corp. 2012 Author: Corey Bryant ; Copyright 1992-2015 Free Software Foundation, Inc. Copyright (c) 2016 Helge Deller Copyright (c) 2015 Mathias Krause Copyright (c) 2015 Freescale Copyright (C) 2015 Canonical Ltd. Copyright (C) 1994 X Consortium Copyright (c) 2014 Imagination Technologies Copyright (c) 2015 Bastien ROUCARIES Copyright (c) 2012 Paolo Borelli Copyright (c) 2012 Dan Winship Copyright (c) 2012 Christian Persch Copyright (c) 2012, 2016 Philip Withnall Copyright (C) 2010-2017 Bootstrap Authors

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libselinux	2.8-1ba1	Public-domain GPL-2.0		© 2005, 2006, Manoj Srivastava Copyright: 2004 Red Hat, Inc., James Morris
libzstd	1.3.8+d fsg3 ba1	GPL-2.0 BSD-3-Clause BSD-2-Clause Zlib GPL-2.0+ MIT Public-domain		<b>Dual License - BSD - 3 clause &amp; GPL-2.0</b>  Copyright (c) 2016-present, Yann Collet, Facebook, Inc. Copyright (c) 2016-present, Facebook, Inc. Copyright (c) 2016-present, Przemyslaw Skibinski, Yann Collet, Facebook, Inc. Copyright (C) 2010-2016 Free Software Foundation, Inc. Copyright (c) 1995-2006, 2011 Jean-loup Gailly Copyright (c) 2017 Phillip Lougher Copyright (c) 2016 Tino Reichardt Copyright (C) 2004-2017 Mark Adler Copyright (c) 2003 Thomas Klausner. Copyright (c) 2003-2008 Yuta Mori Copyright: 2015-2016 Kevin Murray Copyright: 2003-2008, Yuta Mori
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--- end of FTL.TXT ---

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GCC Runtime Library Exception 3.1 to GPL 3.0

Version 3.1, 31 March 2009

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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"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.

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(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.)

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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.

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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

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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.

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Ty Coon, President of Vice

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README for release 6b of 27-Mar-1998

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### **3.1.54 Android - platform - bootable – recovery - 5.0.0\_r1**

Home Page: <http://developer.android.com/index.html>

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### **3.1.55 Android - platform - bootable – recovery - 2.3\_r1**

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### **3.1.56 Android - platform - system – core - 4.2**

Home Page: <http://developer.android.com/index.html>

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### **3.1.57 File system in Userspace - 2.8.7**

Home Page: <http://sourceforge.net/projects/fuse/>

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### **3.1.58 lz4 Compression algorithm - r111**

Home Page: <http://code.google.com/p/lz4/>

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### **3.1.59 Android -platform - system - core/libmincrypt**

Home Page: <https://android.googlesource.com/platform/system/core/+master/libmincrypt>

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### **3.1.60 lucy search engine – lucy - 0.6.0**

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### **3.1.62 Open BSD - 4.5**

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### **3.1.63 Bsdiff - 4.3**

Home Page: <http://github.com/geraldonetto/bsdiff/>

Home Page: <http://www.daemonology.net/bsdiff/>

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### **3.1.64 GNU C Library – glibc - 2.2.4**

Home Page: <http://www.gnu.org/software/libc/libc.html>

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### **3.1.65 IGEP Linux Kernel - 2.6.28.10-igep0020b-0**

Home Page: <http://www.igep.es/>

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### **3.1.66 squashfs - a compressed fs for Linux - squashfs4.3**

Home Page: <http://sourceforge.net/projects/squashfs/>

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### **3.1.67 File system in User space - 2.9.3**

Home Page: <http://sourceforge.net/projects/fuse/>

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### **3.1.68 Libdivsufsort - 2.0.0**

Home Page: <http://code.google.com/p/libdivsufsort/>

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### **3.1.69 Test-SQLite-blob - trunk-20120916-svn**

Home Page: <http://code.google.com/p/test-sqlite-blob/>

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### **3.1.70 7 Zip - LZMA SDK - 9.2**

Home Page: <http://www.7-zip.org/sdk.html>

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### **3.1.71 7-Zip - 7-Zip -3.11**

Home Page: <http://sourceforge.net/projects/sevenzzip/>

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### **3.1.72 CRC32 MIT.edu**

Home Page: <http://web.mit.edu/freebsd/head/sys/libkern/>

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### **3.1.73 XZ Utils -5.0.7**

Home Page: <http://tukaani.org/xz/>

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### **3.1.74 Zlib - 1.2.3**

Home Page <http://www.zlib.net>

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### **3.1.75 Android - platform – dalvik - 2.1\_r1**

Home Page: <http://developer.android.com/index.html>

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### **3.1.76 gpclib**

<http://github.com/rdpeng/gpclib/>

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Version Unspecified

<http://sourceforge.net/projects/vector-agg/>

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### **3.1.78 Android - platform - frameworks - base**

Version android-7.0.0\_r1

<https://android.googlesource.com/platform/frameworks/base>

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### **3.1.79 Android - platform - frameworks - base**

Version Unspecified

<https://android.googlesource.com/platform/frameworks/base>

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Version Unspecified


<http://boost.org/>

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<http://github.com/mozilla/gecko-dev/>

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1.2beta2 dev

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### **3.1.86 jsoncpp**

Version

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<http://sourceforge.net/projects/jsoncpp/>

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<https://stjarnhimlen.se/comp/sunriset.c>

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### **3.1.91 tiny-AES128-C**

Version master-20141218

<http://github.com/kokke/tiny-AES128-C/>

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### **3.1.92 PVRTC Library**

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<https://www.imgtec.com/developers/powervr-sdk-tools/installers/>

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### **3.1.93 GSM 06.10 Lossy Speech Compression**

Version Unspecified

<http://kbs.cs.tu-berlin.de/~jutta/toast.html>

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<http://github.com/curl/curl/>

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### **3.1.95 aladdin-md5**

Version Unspecified

<https://opensource.apple.com/source/cups/cups-30/cups/md5.h.auto.html>

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### **3.1.96 OpenGL-Examples**

Version master-20141123

<http://github.com/progschj/OpenGL-Examples/>

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### **3.1.97 SDL**

Version 2.0

<http://www.libsdl.org/index.php>

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#### **3.1.96.1 SDL\_gfx**

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<http://sourceforge.net/projects/sdlgfx/>

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#### **3.1.96.2 zlib**

Version 1.2.11 <http://www.zlib.net/>

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#### **3.1.98pkgconf**

Version Unspecified

<http://github.com/pkgconf/pkgconf/>

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#### **3.1.99 Code Project - C++ Memory Pool**

Version 1.0

<http://www.codeproject.com/KB/cpp/MemoryPool.aspx>

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RealVNC has made the following modifications to OpenSSL 0.9.8zf:

- The hard-coding of config options in opensslconf.h.
- The addition of compile-time
- 
- 
- s to remove dependencies of the C stio library and on Win32 UI.
- The addition of compile-time checks to remove filename strings from release binaries.

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follows:

- libzip.vcproj has been added.
- On Windows, in libzip.h and zipint.h, no-op ZIP\_EXTERN so that we build for linking statically.
- On Windows, in mkstemp.c, pid\_t and S\_ISDIR have been defined, and io.h and process.h included.

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### **3.2.13 GCC libstdc++**

This is not in our source delivery, but is statically linked in to our binary deliveries from the specified version of GCC. See <http://gcc.gnu.org/libstdc++> or <http://gcc.gnu.org/releases.html> for more information.

### **3.2.14 keysymdef**

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### **3.2.17 JThread**

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### **3.2.19.2 hash.c**

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#### **3.2.19.5 RealVNC modifications to libxml2**

This is libxml2-2.9.1. Some small changes have been made to allow it to build for QNX and Android.

#### **3.2.20 miniupnp**

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Project web page: <http://miniupnp.free.fre/> or <http://miniupnp.tuxfamily.org/>

Author: Thomas Bernard

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### **3.2.20.3 RealVNC modifications to**

**miniupnpc** The following modifications

have been made:

- Requests have been cancelled.



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- MirrorLink-specific functionality has been added.
- Functionality specific to building for different hardware architectures has been added.

### **3.2.21 LibTomCrypt**

LibTomCrypt, modular cryptographic library -- Tom St Denis

LibTomCrypt is a library that provides various cryptographic algorithms in a highly modular and flexible manner.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, <http://libtomcrypt.com>

### **3.2.22 LibTomMath**

LibTomMath, multiple-precision integer library -- Tom St Denis

LibTomMath is a library that provides multiple-precision integer arithmetic as well as number theoretic functionality.

The library was designed directly after the MPI library by Michael Fromberger but has been written from scratch with additional optimizations in place.

The library is free for all purposes without any express guarantee it works.

Tom St Denis, tomstdenis@gmail.com, <http://math.libtomcrypt.com>

### **3.2.23 Base64.java**

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Please visit <http://iharder.net/base64> periodically to check for updates or to contribute improvements.

@author Robert Harder

@author rob@iharder.net

@version 2.3.5.2.

### **3.2.24 Internal Android OS APIs**

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### **3.2.25 ExtractMpegFramesTest.java**

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### **3.2.28 WPA Supplicant**

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### **3.2.28.1 RealVNC modifications to WPA Supplicant**

RealVNC has applied the following patch:

<http://w1.fi/cgiit/hostap/patch/?id=f2b3acc9d5.2.b91fbaccfc9dd8d408>

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### **3.2.28.2 ath9k\_faf1dc64\_backport.patch**

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### **3.2.28.3 python-psutil\_2.1.3.bb**

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### **3.2.30 VNC Wi-Fi Display i.MX6 sample decoder**

The information in this section expands upon that summarized in section 6.2, *VNC Wi-Fi Display i.MX6 sample decoder*.

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#### **3.2.32 axTLS**

axTLS Embedded SSL

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### **3.2.32 RealVNC modifications to axTLS**

Some unwanted type and function definitions have been removed.



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