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Name of OSS Component	Version of OSS Component	Name and Version of License (License text can be found in Appendix below)	Home page	More Information
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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	https://savannah.nongnu.org/projects/acl	(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.
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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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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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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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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 Torgrim 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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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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sysvinit	2.88	GPL-2.0+ GPL-2.0 GNU MP Library file license Public-domain		Copyright © 2009 Free Software Foundation, Inc. Copyright on this file 1998 Danek Duvall. Copyright 1997-2005 Miquel van Smoorenburg ;miquels@cistron.nl; Copyright (c) 2006 Red Hat, Inc. Copyright (C) 2012 sysvinit & Joe Hansen. Copyright (C) 2012 Martin Bagge ;brother@bsnet.se; Copyright (C) 2011 THE sysvinit'S COPYRIGHT HOLDER Copyright (C) 2010 Michael Krapp Copyright (C) 2005 Miquel van Smoorenburg. Copyright (C) 1991-1996 Cistron Electronics.
tar-gplv2	1.17	GPL-2.0+ GPL-2.0+ with tex exception GPL-2.0+ with autoconf exception Curl Component license LGPL-2.0 BSD-1980 Regents of the University of California Public-domain MIT- Matt Johnston GPL-2.0+ with bison exception MIT GNU gettext support file license GPL V2 only LGPL-2.0+ GPL V3 or later with autoconf exception FSF - Configure Script Makefile FSF license GNU Libtool GPL-2.0+ with exception BSD-4-Clause-UC GFDL-1.2		Copyright © 2004 Free Software Foundation, Inc.

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util-linux	2.27.1	LGPL-2.1+ GPL-2.0+ Public-domain BSD-4-Clause-UC GPL-2.0 ISC Zlib license GPL-2.0+ with autoconf exception GPL V3 or later with autoconf exception FSF MIT - Eric Haszlakewicz Curl Component license Makefile FSF license GNU MP Library file license BSD 3 Clause-Theodore Ts'o BSD-3 Clause MIT- Matt Johnston GPL-1.0+ FSF - Configure Script X11 BSD - 4 Clause Regents of the University of California GNU Copyright statement -Verbatim copies GNU Libtool GPL-2.0+ with exception LGPL-2.0+ MIT		copyright (c) 1997-2005 by Frodo Looijaard frodo@frodo.looijaard.name; Copyright: Guy Maor Copyright: 2013, Red Hat, Inc. Copyright: 2010, 2011 Davidlohr Bueso ;dave@gnu.org; Copyright: 2010 Lennart Poettering Copyright: 2009-2014 Karel Zak Copyright: 2005 Jens Axboe ; jens@axboe.dk; Copyright: 2004 Robert Love Copyright: 2003-2005 H. Peter Anvin Copyright: 2003, 2004, 2005 Thorsten Kukuk Copyright: 2001 Andreas Dilger Copyright: 2000-2001 Gunnar Ritter Copyright: 1999, 2001 Andries Brouwer Copyright: 1996, 2003 Rickard E. Faith (faith@acm.org) Copyright: 1991, 1992 Linus Torvalds Copyright: 1987 Regents of the University of California Copyright © Michael Piefel Copyright © Karel Zak ; kzak@redhat.com; 2014 Copyright © 2014 Benjamin Weis ;benjamin.weis@gmx.com; Mario Blättermann ; mario.blaettermann@gmail.com;,, 2014, 2015. Philipp Thomas ; pth@suse.de;,, 2014, 2015. Copyright © 2012 Arun Persaud ; arun@nubati.net; Copyright © 2004 Scott James Remnant ;scott@netsplit.com;. Copyright © 2004 Nilgün Belma Bugüner. Copyright © 2013-2014 Lauri Nurmi ;lanurmi@iki.fi; Lauri Nurmi ; lanurmi@iki.fi;

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zlib	1.2.8	Zlib license Public-domain Gilles Vollant encryption/decryption License FSF - Configure Script GNU Libtool GPL-2.0+ with exception		copyright (C) 1995-2006 Jean-loup Gailly and Mark Adler Copyright 1998-2004 Gilles Vollant Copyright (c) 1990-2000 Info-ZIP. Copyright (C) 2009-2010 Mathias Svensson Copyright (C) 2007-2008 Even Rouault Copyright (C) 1998 by Andreas R. Kleinert
Acl	2.2.5 2	LGPL-2.1+ GPL-2.0+ GPL V2 or later with autoconf exception GNU Libtool GPL v2 or later with exception LGPL-2.1 FSF - Configure Script		Copyright (C) 2011 Andreas Gruenbacher Copyright (C) 1989, 1991-2012 Free Software Foundation, Inc. Copyright (c) 2000-2006 Silicon Graphics, Inc.
Appar mor	2.13. 23co 8ba 1	GPL-2.0 LGPL-2.1 Canonical Ltd License Novell Inc. and Canonical Ltd License GPL-2.0+ GPL V2 or later with autoconf exception Public-domain GNU Libtool GPL v2 or later with exception FSF - Configure Script		Dual License - BSD - 3 Clause & GPL v2 Copyright 2017 Canonical Ltd. Copyright (C) 2015-2018 Christian Boltz Copyright: 2012 Collabora ltd Copyright (C) 2009 John Dong Copyright (C) 2006 Volker Kuhlmann Copyright: 1998-2010 Novell/SuSE/Immunix Copyright (C) 2011 Novell/SUSE Copyright (c) 2005-2010 Novell, Inc 2002, 2003, 2004 SuSE GmbH

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basepasswd	3.5.4 5c o1ba 3	GPL-2.0+ GPL-2.0	<p>Copyright: Copyright 1999-2002 Wichert Akkerman Copyright 2007 David Mandelberg Copyright 2002, 2003, 2004, 2005, 2007 Colin Watson Copyright 2002, 2003, 2004 Colin Watson Copyright 2001, 2002 Joey Hess Copyright (C) of this file 2014 Chris Leick Copyright (C) Helge Kreutzmann. Copyright (C) 2010 Software in the Public Interest Copyright (C) 2010 Free Software Foundation, Inc. Copyright (C) 2004 Nicolas FRANCOIS</p>

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grep		3.1-3ba1	GPL-2.0+ LGPL-2.0+ Public-domain NTP GPL V2 or later with bison exception GPL V2 or later with autoconf exception GFDL V1.1+ FSF - Configure Script GPL-2.0	Copyright 2000, 2001 Free Software Foundation, Inc. Copyright (C) 1994 X Consortium Copyright © 2004 Scott James Remnant Copyright (c) 1989, 1993 The Regents of the University of California Copyright (C) 1988 Henry Spencer.
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--- end of FTL.TXT ---

2.15 GCC Runtime Library Exception 3.1 to GPL 3.0

GCC Runtime Library Exception 3.1 to GPL 3.0

Version 3.1, 31 March 2009

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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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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.

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3.1.15 JRTPLIB - 3.9.1

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3.1.16 JThread - 1.3.1

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3.1.17 Portaudio - 1.9

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3.1.20 Zlib - 1.2.3

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3.1.21 LibTomCrypt - 1.16

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3.1.22 LibTomMath - 0.39

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3.1.23 Base64.java - 2.3.5.2.

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3.1.24 Internal Android OS APIs

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3.1.25 ExtractMpeg FramesTest. java

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3.1.26 Libupnp (pupnp) - 1.6.19

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3.1.29 Wpa_supplicant - 2.3

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3.1.30 Pythonpsutil_2.1.3.bb

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3.1.31 Android SupportLibraries - 19.0.0

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3.1.33 axTLS - 1.1.8

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3.1.34 Action - 0.1.1

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3.1.35 Android - platform - frameworks – base - 4.0.1_r1

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3.1.36 Android - platform - prebuilts – sdk - 4.4_r1

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3.1.37 Android SDK Support Libraries – 19,23.1.1

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3.1.38 Android SDK Support Libraries

Drools:: Scorecards - 5.5.0.Final

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3.1.39 Mongolduu - master-20121109

Home Page: <http://github.com/tugstugi/mongolduu/>

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3.1.40 Stan-for-Android - 0.1.0

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3.1.42 JQuery: 2.0.3

Home Page: <http://github.com/jquery/jquery/>

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3.1.43 jquery_mobile_rails - 1.3.2

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3.1.44 SafeSlinger-Android - 1.8.3-messenger

Home Page: <http://github.com/SafeSlingerProject/SafeSlinger-Android/>

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3.1.45 OpenSSL

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3.1.46 CRC32

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3.1.47 SHA-1 in C

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3.1.49 CMarkup - 11.05

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3.1.51 LZO real-time data compression library - 2.04

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3.1.54 Android - platform - bootable – recovery - 5.0.0_r1

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3.1.59 Android -platform - system - core/libmincrypt

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3.1.60 lucy search engine – lucy - 0.6.0

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3.1.63 Bsdiff - 4.3

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

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3.1.68 Libdivsufsort - 2.0.0

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

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3.1.70 7 Zip - LZMA SDK - 9.2

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3.1.75 Android - platform – dalvik - 2.1_r1

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3.1.76 gpclib

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

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3.1.78 Android - platform - frameworks - base

Version android-7.0.0_r1

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3.1.80 Boost C++ Libraries - boost

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

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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

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

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3.1.95 aladdin-md5

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

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3.1.96 OpenGL-Examples

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

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3.1.99 Code Project - C++ Memory Pool

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- 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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3.2.10.4 RealVNC modifications to libzip

The open source component used by *VNC Automotive* consists of the lib subdirectory of libzip 0.9, plus two variants on the corresponding config.h template. Three modifications have been made, as

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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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3.2.12 LodePNG

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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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3.2.18 portaudio

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3.2.19 libxml2

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3.2.19.2 hash.c

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3.2.19.3 list.c

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3.2.19.4 trio.c, trio.h

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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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3.2.26 libupnp (pupnp)

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3.2.27 libudev

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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*.

3.2.31 mxcfb.h

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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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