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<b>XC-CP</b>	<b>XC-CP_INF_RN_AIVI_Scope3.x</b>	<b>01-08-2024</b>


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Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

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## 2.15.GCC Runtime Library Exception 3.1 to GPL 3.0

GNU 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.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.


3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)


b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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.

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the library `Frob' (a library for tweaking knobs) written

by James Random Hacker.

< signature of Ty Coon > , 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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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

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such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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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.

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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.
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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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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.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.


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- 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.
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20.	glib2.0	2.58.32	<p><b>LGPL-2.1-ONLY</b>  <u>Other licenses:</u>          BSD-3-Clause          LGPL-2.0-ONLY          MIT          Public Domain          GPL-2.0-ONLY          bzip2-1.0.6          GPL V2 or later with autoconf exception</p>	<p>Copyright © 2016 Red Hat, Inc.          Copyright © 2015 Patrick Griffis          Copyright © 2015 Collabora, Ltd.          Copyright © 2015 Canonical          Limited Copyright © 2014 NICE s.r.l.          Copyright © 2014 Canonical Limited          Copyright © 2013 Lars Uebernickel          Copyright © 2013 Canonical Limited          Copyright © 2012,2013 Colin Walters          Copyright © 2011 William Hua          Copyright © 2011 Ryan Lortie          Copyright © 2010 Codethink Limited          Copyright © 2010 Christian Persch          Copyright © 2009-10 Sam Thursfield          Copyright © 2009 Free Software Foundation, Inc. Lauri 2002-2004, Sami Pesonen 2004-2005. Ilkka Tuohela 2005-2009. Timo Jyrinki 2008-2010. Harri Pitkänen 2009. Tommi Vainikainen 20092011.          Copyright 2017 Руслан Ижбулатов          Copyright 2016 Endless Mobile, Inc.          Copyright 2005 Matthias Clasen          Copyright 2004 Tor Lillqvist          Copyright 2001 Hans Breuer          Copyright 1999-2000 Tor Lillqvist and Craig Setera          Copyright 1998-2011 Tim Janik, Red Hat, Inc. and others          Copyright 1998-2001 Sebastian Wilhelmi;          University of Karlsruhe</p>
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22.	Grepgplv2	1:2.5.1a0co6	<b>GPL-2.0-ONLY</b> <u>Other licenses:</u> LGPL-2.0-ONLY NTP GPL V2 or later with autoconf exception	Copyright 2000, 2001 Free Software Foundation, Inc.

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30.	libcap2	1:2.252co1+apertispro0bv2021.0 b3	Dual License - BSD - 3 Clause or GPL v2	<b>Dual License - BSD - 3 Clause or GPL v2</b> Copyright (c) 1997-8 Andrew G. Morgan <a href="mailto:morgan@kernel.org">morgan@kernel.org</a> Copyright (C) 2010 Serge Hallyn <a href="mailto:serue@us.ibm.com">serue@us.ibm.com</a> Copyright (c) 1998 Finn Arne Gangstad Copyright (C) 1997 Aleph One Copyright (C) 1989, 1991 Free Software Foundation, Inc. 2014, Daniel Baumann <mail@danielbaumann.ch> 2014-2018, Christian Kastner <a href="mailto:cck@debian.org">cck@debian.org</a> 2011, Andrew Straw <strawman@astraw.com> 2011, Zhi Li <lizhi1215@gmail.com> 2014-2016, Christian Kastner <cck@debian.org> 2015, Helmut Grohne <helmut@subdivi.de>
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31.	libffi	3.2.1-9co1+apertispro0bv2021.0b2	<b>MIT</b> <u>Other licenses:</u> GPL V2 or later with autoconf exception Public Domain GPL-2.0-ONLY GPL V3 or later with autoconf exception GPL V2 or later with libtool exception X11 LGPL-2.1-ONLY GPL V3 or later with Tex exception FSFUL	<b>Dual license - GPL-2.0-ONLY or LGPL-2.1-ONLY</b> libffi/msvcc.sh  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) Copyright (c) 2013 Miodrag Vallat. 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 Copyright (c) 2011 Plausible Labs Cooperative, Inc. Copyright (c) 2011 Maarten Bosmans Copyright (c) 2010 Rhys Ulerich Copyright (c) 2010 CodeSourcery Copyright (c) 2009, 2010, 2011, 2012 ARM Ltd. Copyright (c) 2009 Guido U. Draheim Copyright (c) 2009 Daniel Witte Copyright (c) 2009 Bradley Smith Copyright (c) 2008 Steven G. Johnson Copyright (c) 2008 Guido U. Draheim
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32.	libcrypt20	1.8.4-5+deb10u1+apertis1+apertispro0b v2021.0b1	<p><b>LGPL-2.1-ONLY</b></p> <p><u>Other licenses:</u></p> <p>FSF</p> <p>GPL-2.0-ONLY</p> <p>GPL V2 or later with autoconf exception</p> <p>X11</p> <p>BSD-3-Clause</p> <p>Public Domain</p> <p>LGPL-2.0-ONLY</p> <p>ISC</p> <p>GPL V3 or later with autoconf exception</p> <p>GPL V3 or later with Tex exception</p> <p>GPL V2 or later with libtool exception</p>	<p><b>Dual License - BSD - 3 Clause or GPL v2</b></p> <p>libcrypt20/random/jitterentropy-base.c</p> <p>Copyright (C) 2004, 2005, 2007, 2009 Free Software Foundation, Inc. Written by Scott James Remnant, 2004.</p> <p>copyright Peter Gutmann (and various others) 1996, 1997, 1998, 1999.</p> <p>Copyright 2013 g10 Code GmbH</p> <p>Copyright Stephan Mueller 2014 – 2017</p> <p>Copyright 2012 Simon Josefsson and Niels Möller</p> <p>Copyright 2012, Samuel Neves</p> <p>Copyright 1998 Owen Taylor, modified for libcrypt and gnutils by Ivo Timmermans, 2001. Copyright 1997, 1998, 1999, 2001 Werner Koch</p> <p>Copyright (C) 2017 Jussi Kivilinna</p> <p>Copyright (C) 2017 Bundesamt für Sicherheit in der Informationstechnik</p> <p>Copyright (C) 2016 Jussi Kivilinna</p> <p>Copyright (C) 2013-2014 Dmitry Eremin-Solenikov</p> <p>Copyright (C) 2013 Christian Grothoff</p> <p>Copyright (C) 2003 Nikos Mavroyanopoulos</p> <p>Copyright (C) 1998 The Internet Society</p> <p>Copyright (C) 1997 Werner Koch</p> <p>Copyright (C) 1994 X Consortium</p>
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35.	libseccomp	2.3.3-4co1+ap ertispro0 bv2021.0 b1	<b>LGPL-2.1</b> <u>Other licenses:</u> Public Domain X11 GPL V2 or later with libtool exception GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception	

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37.	libssh2	1.8.0-2.1co1+apertispro0bv2021.0b1	<b>BSD-3-Clause</b> <u>Other licenses:</u> Public Domain X11 GPL V2 or later with libtool exception GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception	(c) 2004-2007 Sara Golemon <sarag@libssh2.org> (c) 2005,2006 Mikhail Gusarov <dottedmag@dottedmag.net> (c) 2006-2007 The Written Word, Inc. (c) 2007 Eli Fant <elifantu@mail.ru> (c) 2009 Daniel Stenberg (C) 2008, 2009 Simon Josefsson
38.	libx11	2:1.6.71+deb10u2+apertis1+apertispro0bv2021.0b2	<b>MIT-Modern-Variant</b> <u>Other licenses:</u> X11 MIT HPND-sell-variant GPL V2 or later with libtool exception GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception	Copyright (C) 2003-2006,2008 Jamey Sharp, Josh Triplett Copyright © 2009 Red Hat, Inc. Copyright 1990-1992,1999,2000,2004,2009,2010 Oracle and/or its affiliates. Copyright 1984-1994, 1998 The Open Group Copyright 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1994, 1996 X Consortium Copyright 2000 The XFree86 Project, Inc.

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42.	lz4	1.8.3-1+deb10u1+apertis2+apertispro0b v2021.0b2	<b>BSD-2-Clause</b> <u>Other licenses:</u> GPL-2.0-ONLY	Copyright (C) Yann Collet 2011-present Copyright (C) 1989, 1991 Free Software Foundation, Inc. Copyright (C) 2016-present, Przemyslaw Skibinski, Yann Collet Copyright (c) 2015, Louis P. Santillan Copyright (c) 2014, Ipsantil
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47.	pam	1.3.1-5co3+apertispro0bv2021.0 b1	<b>BSD-3-Clause</b> <u>Other licenses:</u> LGPL-2.0-ONLY MIT ISC X11 Beerware License GPL V2 or later with libtool exception GPL V2 or later with autoconf exception GPL v3 or later with Bison exception GPL V3 or later with autoconf exception	Copyright (C) 2004, 2005, 2007, 2008 Free Software Foundation, Inc. Written by Gary V. Vaughan, 2004 Copyright © 2007, 2008 Red Hat, Inc. All rights reserved. Red Hat author: Miloslav Trmač Copyright © 2004 Scott James Remnant Copyright Jan Rêkorajski, 1999. Copyright Alexander O. Yuriev, 1996. All rights reserved. Copyright 1999 by Theodore Ts'o. Copyright 1999 by Ben Collins Copyright 1994, 1995, 1996 Olaf Kirch, Copyright 1995 by Wietse Venema. Copyright 1989 - 1994, Julianne Frances Haugh All rights reserved. Copyright (c) Philip W. Dalrymple III 1997. Copyright (c) Cristian Gafton, 1996-1997, Copyright (c) Andrew G. Morgan 1996-8. Copyright (c) Alex O. Yuriev, 1996. Copyright (c) 2009 Thorsten Kukuk; Copyright (c) 2005 Darren Tucker
48.	pcre3	2:8.3912co2+apertispro0bv2021.0b1	<b>BSD-3-Clause</b> <u>Other licenses:</u> GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception BSD-2-Clause X11 Public Domain GPL V2 or later with libtool exception	Copyright(c) 2009-2016 Zoltan Herczeg All rights reserved. Copyright © 2012-2015 Dan Nicholson Copyright © 2004 Scott James Remnant Copyright 2013-2013 Tlera Corporation(jiawang@tilera.com). All rights reserved. Copyright 2009-2012 Zoltan Herczeg Copyright 2003 and onwards Google Inc. Author: Sanjay Ghemawat Copyright 1992-2015 Free Software Foundation,

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				<p>Inc            Copyright (c) 2011 Daniel Richard G.            Copyright (c) 2008 Steven G. Johnson            Copyright (c) 2007-2012, Google Inc. All rights reserved.            Copyright (c) 2001, Alexander Tokarev All rights reserved.            Copyright (c) 1997-2016 University of Cambridge            Copyright (C) 1994 X Consortium</p>
49.	sed-gplv2	4.1.2-8co6+apertispro0bv2021.0 b1	<p><b>GPL-2.0-ONLY</b>  <u>Other licenses:</u>            LGPL-2.0-ONLY            LGPL-2.1-ONLY            X11            Public Domain            GFDL-1.1            GPL V2 or later with autoconf exception            GPL V2 or later with texinfo exception            GPL V2 or later with bison exception            FSFUL</p>	<p>Copyright (C) 1999, 2000, 2001, 2002, 2003, 2004 Free Software Foundation, Inc.            Copyright (C) 1995-1997, 2000, 2001 by Ulrich Drepper            Copyright (C) 1994 X Consortium</p>
50.	systemd	2417~deb10u8+apertispro2bv2021.0b2	<p><b>LGPL-2.1-ONLY</b>  <u>Other licenses:</u>            GPL-2.0-ONLY            MIT            Public Domain            GPL-2.0            CC0-1.0            The Unlicense            LGPL-2.0-ONLY</p>	<p><b>Dual License - GPL-2.0 WITH Linux-syscall-note &amp; MIT</b>            systemd/src/shared/wireguard-netlink.h <b>Dual License - BSD - 3 clause &amp; GPL-2.0</b> systemd/hwdb/pci.ids</p> <p>© 2015 Canonical Ltd. Author: Martin Pitt            Copyright © SUSE Linux Products GmbH, 2006</p>

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			<p>GPL-2.0 WITH Linux-syscall- note</p>	<p>Copyright © IBM Corp. 2003  Copyright © 2018 Neal Gompa  Copyright © 2018 Dell Inc.  Copyright © 2017 Max Resch  Copyright © 2017 Intel Corporation.  Copyright © 2017 Felipe Sateler  Copyright © 2016 Zeal Jagannatha  Copyright © 2016 Michal Soltys  Copyright © 2016 Michael Karcher  Copyright © 2016 Gabor Kelemen  Copyright © 2016 Djalal Harouni  Copyright © 2016 Canonical Ltd.  Copyright © 2016 BISDN GmbH.  Copyright © 2016 Alexander Shopov  Copyright © 2015-2017 Jason A.  Donenfeld Copyright © 2015, 2016. Free  Software Foundation, Inc.  Copyright © 2015 Werner Fink  Copyright © 2015 Rafael Ferreira  (translation)  Copyright © 2015 Jeff Huang  Copyright © 2015 Boyuan Yang  Copyright © 2014 Vinay Kulkarni  Copyright © 2014 Michael Marineau  Copyright © 2014 Intel Corporation.  Copyright © 2014 Holger Hans Peter  Freyther  Copyright © 2014 Carlos Garnacho  Copyright © 2014 Axis Communications  AB. Copyright © 2013-2017 Sergey  Ptashnick  Copyright © 2013-2016 Sylvain Plantefève  Copyright © 2013 Simon Peeters  Copyright © 2013 Jan Janssen</p>
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51.	sysvinit	2.93-8co1+apertispro0bv2021.0 b1	<b>GPL-2.0-ONLY</b>	<p>Copyright on this file 1998 Danek Duvall.  Copyright (c) 2011 SuSE LINUX Products GmbH, All rights reserved.  Copyright (c) 2006 Red Hat, Inc. All rights reserved.  Copyright (C) 2018 Jesse Smith  Copyright (C) 2005 Miquel van Smoorenburg.</p>

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52.	tar-gplv2	1.17-0co9+ap ertispro0 bv2021.0 b1	<b>GPL-2.0-ONLY</b> <u>Other licenses:</u> Public Domain GPL-1.0-ONLY X11 LGPL-2.1-ONLY GPL V2 or later with bison exception GPL-2.0-with-autoconf-exception GPL V2 or later with texinfo exception GPL V2 or later with autoconf exception	Copyright © 2004 Free Software Foundation, Inc. Copyright (C) 1994 X Consortium Copyright (C) 1983 Regents of the University of California. (C) Copyright 2013 Bdale Garbee
53.	util-linux	2.33.10.1co2+a pertspro 0bv2021. 0b3	<b>GPL-2.0-ONLY</b> <u>Other licenses:</u> LGPL-2.1-ONLY BSD-3-Clause BSD-4-Clause-UC Public Domain MIT FSF LGPL-2.0-ONLY GPL-1.0-ONLY ISC X11 GPL v3 or later with Bison exception GPL V2 or later with libtool exception GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception	Copyright © Michael Piefel 2002, 2004, 2005, 2007, 2008. Copyright © Karel Zak copyright is claimed. This code is in the Public Domain; do with it what you wish. Copyright © 2015 Free Software Foundation, Inc Copyright © 2014 Benjamin Weis Mario Blättermann;, 2014, 2015. Philipp Thomas 2014, 2015, 2017. Copyright © 2012-2015 Dan Nicholson Copyright © 2012 Arun Persaud; Copyright © 2011,2015,2016 Philipp Thomas Copyright © 2004 Scott James Remnant Copyright © 2004 Nilgün Belma Bugüner. Copyright © 2002-2018 Lauri Nurmi Copyright © 2001, 2002 Karl Eichwalder. Copyright © 2000–2001 Gunnar Ritter.



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54.	xz-utils	5.2.4-1co1+apertispro0bv2021.0b1	<p><b>Public Domain</b></p> <p><u>Other licenses:</u></p> <p>GPL-2.0-ONLY</p> <p>LGPL-2.1-ONLY</p> <p>GPL V2 or later with libtool exception</p> <p>FSFUL</p> <p>GPL V2 or later with autoconf exception</p> <p>GPL V3 or later with autoconf exception MIT X11</p>	<p>© 2014, Google Inc.</p> <p>© 2008, Steven G. Johnson</p> <p>© 2003 Free Software Foundation, Inc. Authors: Bruno Haible</p> <p>© 1997-2007 by Dimitri van Heesch</p> <p>© 1993, Jean-loup Gailly</p> <p>2010, Marek Černocký 2010, Andre Noll 2011, Adrien Nader</p> <p>2009-2010, Lasse Collin</p> <p>2010, Daniel Mealha Cabrita</p> <p>2009, Andrew Dudman 2009, Lasse Collin</p> <p>2009, 2010, Gruppo traduzione italiano di Ubuntu-it 2010, Lorenzo De Liso 2009, 2010, 2011, Milo Casagrande 2011, Jakub Bogusz</p> <p>Copyright (C) Michael D. Brennan</p> <p>Copyright (C) 2006 Timo Lindfors</p> <p>Copyright (C) 2005 Philipp Benner</p> <p>Copyright (C) 2004-2017 Bootstrap Authors</p> <p>Copyright (C) 1998, 1999, 2001 Henry Spencer.</p> <p>Copyright (C) 1994 X Consortium</p> <p>Copyright (C) 1993 Jean-loup Gailly</p>
55.	yajl	2.1.0-3co1+apertispro0bv2021.0b1	<b>ISC</b>	

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Name of OSS Component	Version	License	Home Page	Copyrights
freetype	2.6.3	Freetype Project License	<a href="http://sourceforge.net/projects/freetype/">http://sourceforge.net/projects/freetype/</a>	Copyright (C) 1996-2018 David Turner Robert Wilhelm and Werner Lemberg Copyright (C) 2007-2018 Rahul Bhalerao Copyright (C) 2007-2018 Derek Clegg and Michael Toftdal Copyright (C) 2004-2018 Masatake YAMATO Redhat K K David Turner Robert Wilhelm and Werner Lemberg Copyright (C) 2000 Computing Research Labs New Mexico State University Copyright (C) 2001-2015 Francesco Zappa Nardelli Copyright (C) 1990-1998 The Open Group
Google Test	1.6.0	BSD 3-Clause "New" or "Revised" License	<a href="http://code.google.com/p/googletest/">http://code.google.com/p/googletest/</a>	Copyright (C) 2003,2005,2006,2007,2008,2009 Google Inc.All Rights Reserved
HarfBuzz	1.7.4	MIT License	<a href="http://harfbuzz.org/">http://harfbuzz.org/</a>	Copyright © 2004,2007,2008,2009,2010 Red Hat, Inc., Copyright © 2011 Codethink Limited, Copyright © 2010,2011,2012 Google, Inc
libunibreak	2.1	zlib License	<a href="http://vimgadgets.sourceforge.net/libunibreak/">http://vimgadgets.sourceforge.net/libunibreak/</a>	Copyright (c) 2008-2011 Wu Yongwei Copyright (c) 2012 Tom Hacoheh
lua	5.3.4	Lua 5.0 License	<a href="http://www.lua.org/">http://www.lua.org/</a>	Copyright (C) 1994-2017 Lua.org, PUC-Rio
Mediantcut	Unspecified	Creative Commons CC0 1.0 Universal	<a href="http://en.literateprograms.org/Median_cut_algorithm_(C_Plus_Plus)?oldid=19175">http://en.literateprograms.org/Median_cut_algorithm_(C_Plus_Plus)?oldid=19175</a>	Copyright (C) Socionext Embedded Software Austria GmbH (SESA)

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NEUQUANT Neural-Net quantization algorithm	Unspecified	NEUQUANT Neural-Net quantization algorithm license	<a href="http://members.ozemail.com.au/~dekker/NEUQUANT.HTML">http://members.ozemail.com.au/~dekker/NEUQUANT.HTML</a>	Copyright (c) 1994 Anthony Dekker Copyright (C) Candra GmbH
RBTree.cpp	Unspecified	Public Domain	<a href="https://github.com/anandarao/Red-Black-Tree/blob/master/RBTree.cpp">https://github.com/anandarao/Red-Black-Tree/blob/master/RBTree.cpp</a>	Copyright (C) Candra GmbH
BidiReferencecpp	26	Unicode Terms of Use (Unicode -TOU)	<a href="http://www.unicode.org/Public/PROGRAMS/BidiReferenceC">http://www.unicode.org/Public/PROGRAMS/BidiReferenceC</a> pp/	Copyright © 1991-2010 Unicode
ZLIB	1.2.8	zlib License	<a href="http://tracker.debian.org/pkg/zlib">http://tracker.debian.org/pkg/zlib</a>	1995-2013 Jean-loup Gailly and Mark Adler
litehtml	Unspecified			

### 3.3.Supplier : Escript

Supplier : Escript				
Name of OSS Component	Version	License	Home Page	Copyrights
The ASN.1 Compiler	asn1c - 0.9.26	BSD (Two Clause License)		Copyright © 2003-2016 Lev Walkin <vlm@lionet.info> and contributors, Copyright © 2003, 2004 X/IO Labs, xiolabs.com
Base64_encode_decode_Stack overflow	2/16/2015	Creativecommons Attribution ShareAlike 3.0		© 2015 stack exchange inc
libcurl	7.22	Curl License		Copyright (c) 1996 - 2016, Daniel Stenberg, daniel@haxx.se.
libdbus	1.4.18	Academic Free License v2.1		Copyright (C) 2003-2004 Lawrence E. Rosen Copyright (C) 1989, 1991 Free Software Foundation, Inc.

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Supplier: LG Innotek				
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abi	Android4.4	BSD-3-Clause	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2011 The Android Open Source Project All rights reserved.
adb	1.0.31	BSD-3-Clause AND Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 1988 Regents of the University of California. * All rights reserved. Copyright (c) 2006-2009, 2012 The Android Open Source Project Copyright 2006, Brian Swetland <swetland@frotz.net>
android-clat	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 2010-2012 Daniel Drown
applypatch	Android4.4	BSD-2-Clause AND Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2009 The Android Open Source Project
aprd	Android4.4	GPL-2.0-only	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	
atrace	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012 The Android Open Source Project
audioflinger	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2009,2012 The Android Open Source Project
autotest	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012,2014 The Android Open Source Project
bluedroid	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 1999-2012

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bmgr	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2009, The Android Open Source Project
bugreport	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2009 The Android Open Source Project
busybox	1.17.1	GPL-2.0-only	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 1998-2009 Erik Andersen, Rob Landley, Denys Vlasenko and others
common_time	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008,2011-2012 The Android Open Source Project
compress_simu	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2011 The Android Open Source Project
connectivitymanager	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2013, The Android Open Source Project
custom_mmi	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2016 The Android Open Source Project Copyright (C) 2016 Spreadtrum Inc.
debuggerd	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2005-2008, 2011-2012 The Android Open Source Project
dhcp6	Android4.4	BSD-3-Clause AND ISC AND BSD-4-Clause-UC AND Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 1998-2004 WIDE




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				Project. All rights reserved.
dhcpcd	5.5.6	BSD-2-Clause AND BSD-3-Clause AND ISC AND Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 1990, 1993 The Regents of the University of California. All rights reserved. Copyright (c) 2006-2008 Roy Marples <roy@marples.name> All rights reserved Copyright 2006-2012 Roy Marples <roy@marples.name> All rights reserved Copyright (c) 2004,2007 by Internet Systems Consortium, Inc. ("ISC") Copyright (c) 1996-2003 by Internet Software Consortium Copyright 2011, The Android Open Source Project
dnsmasq	2.51	GPL-2.0-or-later	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2000-2009 Simon Kelley
drmserver	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008,2010 The Android Open Source Project
dumpdata	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2008 The

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dumpstate	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2008,2013 The Android Open Source Project
dumpsys	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2005-2008 The Android Open Source Project
e2fsprogs	1.41.14	GPL-2.0-or-later AND LGPL-2.0-or-later AND BSD-3-Clause AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 by Theodore Ts'o. Copyright 1990, 1991, 1992 Free Software Foundation, Inc. Written May 1989 by Mike Haertel. Copyright (C) 1985-2005 by the Massachusetts Institute of Technology. All rights reserved. Copyright (C) 1996-1999,2003,2007 Theodore Ts'o. Copyright 1999 Andreas Dilger (adilger@enl.ucalgary.ca) Copyright (c) 1988 Regents of the University of California. All rights reserved.

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expat	2.1	MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.
factorytest	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2006,2007,2014 The Android Open Source Project Copyright (C) 2014 The CyanogenMod Project
filterfw	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2011 The Android Open Source Project

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framework-base-data	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2008 The Android Open Source Project copyright © 2007, Google Corporation. Regular Ascender - Droid Sans Version 1.00 copyright Google 2013 Google:Roboto: 2013 Roboto Regular Version 1.200310
framework-native-data	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2006-2013 The Android Open Source Project
freetype	2.4.2	FTL AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 1996-2002, 2006 by David Turner, Robert Wilhelm, and Werner Lemberg Copyright (C) 2000, 2001, 2002 by Francesco Zappa Nardelli
gcc-demangle	4.6	GPL-2.0-or-later AND LGPL-2.0-or-later	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 1992, 1993, 1994, 1995, 1996, 1997, 1998, 2000, 2001, 2002, 2003, 2004, 2005, 2007, 2008, 2009, 2010 ↑ Free Software

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mediaserver	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 2005-2008,2013 The Android Open Source Project
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mtp	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008,2010 The Android Open Source Project
mtpd	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2009, The Android Open Source Project
netcfg	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008, The Android Open Source Project
netd	1.4.20	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2005, 2007-2008, 2010-2013 The Android Open Source Project
neven	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Neven Code. Copyright (C) 2008 The Android Open Source Project
nv_exchange	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012 The Android Open Source Project
nxppa	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012 The Android Open Source Project
omx-core	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2011 The Android Open Source Project
opengl	Android4.4	MIT AND Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2007-2013 The Khronos Group Inc.
openssl	1.1.0i	OpenSSL	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	
pm	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2007, The

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				Android Open Source Project
powermanager	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2011, The Android Open Source Project
ppp	2.4.7	BSD-like	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	This product includes software developed by Paul Mackerras <paulus@samba.org>
pppd	2.4.3	BSD-like AND Apache-2.0 AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 1984-2000 Carnegie Mellon University. All rights reserved.
reboot	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2013 The Android Open Source Project
ril	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008,2013 The Android Open Source Project
rild	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008, The Android Open Source Project
run-as	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008, 2010 The Android Open Source Project
schedtest	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 2008 The Android Open Source Project
sdcard	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2010 The Android Open Source Project


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sensorservice	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2010-2012, The Android Open Source Project
sh	Android4.4	BSD-3-Clause AND BSD-4-Clause-UC	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 1991, 1993 The Regents of the University of California. All rights reserved. Copyright (c) 1997 Christos Zoulas. All rights reserved. Copyright (c) 2003 The NetBSD Foundation, Inc. All rights reserved. Copyright (c) 1991, 1993 The Regents of the University of California. All rights reserved.
skia	Android4.4	Apache-2.0 AND OFL-1.1 AND BSD-3-Clause AND SGI-B-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 2009,2010 The Android Open Source Project
smart_amp	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012-2015, The Linux Foundation. All rights reserved.
softkeymaster	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012-2013 The Android Open Source Project
sonivox	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2004-2006 Sonic Network Inc.
speex	1.2 rc1	BSD-3-Clause	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2002-2008 Jean-



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			<p>Marc Valin  Copyright (C)  2002 Jean-Marc Valin &amp; David Rowe  Copyright (C)  2003 Epic Games  Copyright (C)  2003 Epic Games (written by Jean-Marc Valin)  Copyright (C)  2004-2006 Epic Games  Copyright (C)  2005 Analog Devices  Copyright (C)  2005 Jean-Marc Valin, CSIRO, Christopher Montgomery  Copyright (C)  2006 David Rowe  Copyright (C)  2006-2008 CSIRO, Jean-Marc Valin, Xiph.Org Foundation  Copyright (C)  2008 Thorvald Natvig  Copyright (c)  2003-2004, Mark Borgerding  Copyright (c)  2005-2007, Jean-Marc Valin  Copyright (C)  2011 Jyri Sarha, Texas</p>
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				Instruments Copyright 1992, 1993, 1994 by Jutta Degener and Carsten Bormann, Technische Universitaet Berlin
sqlite	3.7.11	Public-domain	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	
srec	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	These files are Copyright 2007, 2008 Nuance Communications, but released under the Apache2 License.
stlport	5	AFL-3.0 AND BSD-2-Clause AND Apache-2.0 AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 1994 Hewlett-Packard Company Copyright 1996,97 Silicon Graphics Computer Systems, Inc. Copyright 1997 Moscow Center for SPARC Technology.
svc	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2008, The Android Open Source Project
system-extras	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2005-2008, 2010, The Android Open Source Project
system-media	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2011-2014 The Android Open Source Project

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system-vold	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2007-2008, 2010-2013 The Android Open Source Project
tinyalsa	Android4.4	BSD-3-Clause	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright 2011,2012 The Android Open Source Project
toolbox	Android4.4	BSD-2-Clause AND BSD-3-Clause	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 1988-1989,1991,1993, 1994 The Regents of the University of California. All rights reserved. Copyright (c) 2008-2010, 2012-2013 The Android Open Source Project All rights reserved. Copyright (c) 1998-1999 Robert Nordier All rights reserved. Copyright (c) 1999 James Howard and Dag-Erling Copyright (C) 2008-2010 Gabor Kovesdan <gabor@FreeBSD.org> All rights reserved. Copyright (C) 2010 Dimitry Andric <dimitry@andric.

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				com> All rights reserved.
tremolo	0.07	BSD-3-Clause	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2002-2009, Xiph.org Foundation Copyright (C) 2010, Robin Watts for Pinknoise Productions Ltd All rights reserved.
u-boot15	2015.07-gd46d0cf	GPL-2.0-or-later	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	(C) Copyright 2000 – 2013 Wolfgang Denk, DENX Software Engineering, wd@denx.de.
ueventd	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2010 The Android Open Source Project
vb_effect	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012 The Android Open Source Project
vb_pga	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012 The Android Open Source Project
volte (VideoCall)	Android4.4	Apache-2.0 AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2010 The Android Open Source Project Copyright 2004-2006 Aaron Voisine <aaron@voisine.org>
watchdogd	Android4.4	Apache-2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (C) 2012 The Android Open Source Project

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webrtc	Android4.4	BSD-3-Clause AND BSL-1.0 AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2011 The Chromium Authors. All rights reserved. Copyright (c) 2011 The WebRTC project authors. All Rights Reserved.
wpa_supplicant_8	Android4.4	BSD-3-Clause AND MIT	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Copyright (c) 2002-2013, Jouni Malinen <j@w1.fi> and contributors All Rights Reserved.
zlib	1.2.8	Zlib	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	(C) 1995-2013 Jean-loup Gailly and Mark Adler

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Supplier:Neusoft				
Component	Version	License	Home Page	Copyright
Attr	2.4.47	GNU Lesser General Public License v2.1 or later	<a href="http://savannah.nongnu.org/projects/attr">http://savannah.nongnu.org/projects/attr</a>	<a href="http://savannah.nongnu.org/projects/attr">http://savannah.nongnu.org/projects/attr</a>

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AutoOpts	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts">https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts</a>	<a href="https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts">https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts</a>
barebox	2016.05.0	GNU General Public License v2.0 or later	<a href="http://github.com/RobertCNelson/barebox/">http://github.com/RobertCNelson/barebox/</a>	<a href="http://github.com/RobertCNelson/barebox/">http://github.com/RobertCNelson/barebox/</a>
Berkeley	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://www.berkeley.edu/">http://www.berkeley.edu/</a>	<a href="http://www.berkeley.edu/">http://www.berkeley.edu/</a>
Berkeley_test	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://www.berkeley.edu/">http://www.berkeley.edu/</a>	<a href="http://www.berkeley.edu/">http://www.berkeley.edu/</a>
bison	3.0.2, 2.5	GNU General Public	<a href="http://savannah.gnu.org/projects/bison/">http://savannah.gnu.org/projects/bison/</a>	<a href="http://savannah.gnu.org/projects/bison/">http://savannah.gnu.org/projects/bison/</a>

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		c Lice nse v3.0 or later with Biso n exce ption 2.2		
Bob Jenkins - Hashing	Unsp ecifie d	Publi c Dom ain	<a href="http://www.burbleurtle.net/bob/index.html">http://www.burbleurtle.net/bob/index.html</a>	<a href="http://www.burbleurtle.net/bob/index.html">http://www.burbleurtle.net/bob/index.html</a>
Boost C++ Libraries - boost	1.59. 0	Boos t Soft ware Lice nse 1.0	<a href="http://boost.org/">http://boost.org/</a>	<a href="http://boost.org/">http://boost.org/</a>
BusyBox	1.24. 1,1.2 3.2	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://www.busybox.net">http://www.busybox.net</a>	<a href="http://www.busybox.net">http://www.busybox.net</a>
Bzip2	1.0.6	Bzip 2 Lice nse	<a href="http://www.bzip.org/">http://www.bzip.org/</a>	<a href="http://www.bzip.org/">http://www.bzip.org/</a>
CANUTIL	4.0.6	GNU Gen eral Publi c Lice nse	<a href="http://www.pengutronix.de/software/socket-can/download/canutils/v4.0/">http://www.pengutronix.de/software/socket-can/download/canutils/v4.0/</a>	<a href="http://www.pengutronix.de/software/socket-can/download/canutils/v4.0/">http://www.pengutronix.de/software/socket-can/download/canutils/v4.0/</a>


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		v2.0 or later		
ConvertUTF.h	Unspecified	License for Unicode	<a href="http://unicode.org/">http://unicode.org/</a>	<a href="http://unicode.org/">http://unicode.org/</a>
crda	3.18	ISC License	<a href="http://github.com/idor/crda/">http://github.com/idor/crda/</a>	<a href="http://github.com/idor/crda/">http://github.com/idor/crda/</a>
Das U-Boot - Universal Bootloader	Unspecified	GNU General Public License v2.0 or later	<a href="http://www.denx.de/wiki/U-Boot/WebHome">http://www.denx.de/wiki/U-Boot/WebHome</a>	<a href="http://www.denx.de/wiki/U-Boot/WebHome">http://www.denx.de/wiki/U-Boot/WebHome</a>
D-Bus	1.10.2	Academic Free License v2.1	<a href="http://www.freedesktop.org/wiki/IntroductionToDBus">http://www.freedesktop.org/wiki/IntroductionToDBus</a>	<a href="http://www.freedesktop.org/wiki/IntroductionToDBus">http://www.freedesktop.org/wiki/IntroductionToDBus</a>
dbus-glib	0.104	Academic Free License v2.1	<a href="http://www.freedesktop.org/wiki/Software/dbus">http://www.freedesktop.org/wiki/Software/dbus</a>	<a href="http://www.freedesktop.org/wiki/Software/dbus">http://www.freedesktop.org/wiki/Software/dbus</a>
dotzlib	Unspecified	Boost Software License 1.0	<a href="https://github.com/madler/zlib/tree/master/contrib/dotzlib">https://github.com/madler/zlib/tree/master/contrib/dotzlib</a>	<a href="https://github.com/madler/zlib/tree/master/contrib/dotzlib">https://github.com/madler/zlib/tree/master/contrib/dotzlib</a>
dt-utils	dt-utils_test	GNU General Public	<a href="http://www.pengutronix.de/">http://www.pengutronix.de/</a>	<a href="http://www.pengutronix.de/">http://www.pengutronix.de/</a>



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		c Lice nse v2.0 or later		
eCryptfs - ecryptfs- userspace	108	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://sourceforge.net/projects/ecryptfs/">http://sourceforge.net/projects/ecryptfs/</a>	<a href="http://sourceforge.net/projects/ecryptfs/">http://sourceforge.net/projects/ecryptfs/</a>
eudev	Unsp ecifie d	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://github.com/gentoo/eudev/">http://github.com/gentoo/eudev/</a>	<a href="http://github.com/gentoo/eudev/">http://github.com/gentoo/eudev/</a>
Expat XML Parser - libexpat	Unsp ecifie d	MIT Lice nse	<a href="http://www.libexpat.org/">http://www.libexpat.org/</a>	<a href="http://www.libexpat.org/">http://www.libexpat.org/</a>
Filesystem in Userspace	2.9.4	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>
genshlopt	Unsp ecifie d	GNU Libra ry Gen eral	<a href="https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts">https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts</a>	<a href="https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts">https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts</a>

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		Public License v2 or later		
gkernel - rng-tools	5	GNU General Public License v2.0 or later	<a href="http://sourceforge.net/projects/gkernel/">http://sourceforge.net/projects/gkernel/</a>	<a href="http://sourceforge.net/projects/gkernel/">http://sourceforge.net/projects/gkernel/</a>
Glib	2.46.0	GNU Library General Public License v2 or later	<a href="https://developer.gnome.org/glib/">https://developer.gnome.org/glib/</a>	<a href="https://developer.gnome.org/glib/">https://developer.gnome.org/glib/</a>
GMP - GNU Multiple Precision Arithmetic Library	6.0.0a	GNU General Public License v2.0 or later	<a href="http://gmplib.org/">http://gmplib.org/</a>	<a href="http://gmplib.org/">http://gmplib.org/</a>
GNOME Network Manager	1.0.10	GNU General Public License	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>

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		v2.0 or later		
GNU C Library - glibc	Unspecified	GNU Lesser General Public License v2.1 or later	<a href="http://www.gnu.org/software/libc/libc.html">http://www.gnu.org/software/libc/libc.html</a>	<a href="http://www.gnu.org/software/libc/libc.html">http://www.gnu.org/software/libc/libc.html</a>
GNU Get Text	0.15	GNU General Public License v2.0 or later	<a href="http://www.gnu.org/software/gettext/">http://www.gnu.org/software/gettext/</a>	<a href="http://www.gnu.org/software/gettext/">http://www.gnu.org/software/gettext/</a>
GNU gettext	0.18.2	GNU Library General Public License v2 or later	<a href="http://savannah.gnu.org/projects/gettext/">http://savannah.gnu.org/projects/gettext/</a>	<a href="http://savannah.gnu.org/projects/gettext/">http://savannah.gnu.org/projects/gettext/</a>
GnuTLS	3.3.13	GNU Lesser General Public License	<a href="http://savannah.gnu.org/projects/gnutls/">http://savannah.gnu.org/projects/gnutls/</a>	<a href="http://savannah.gnu.org/projects/gnutls/">http://savannah.gnu.org/projects/gnutls/</a>

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		nse v2.1 or later		
googlemock	1.7.0	BSD 3- claus e "New " or "Revi sed" Lice nse	<a href="http://code.google.com/p/googlemock/">http://code.google.com/p/googlemock/</a>	<a href="http://code.google.com/p/googlemock/">http://code.google.com/p/googlemock/</a>
Gstreamer	0.10. 36	GNU Libra ry Gen eral Publi c Lice nse v2 or later	<a href="http://gstreamer.freedesktop.org/modules/">http://gstreamer.freedesktop.org/modules/</a>	<a href="http://gstreamer.freedesktop.org/modules/">http://gstreamer.freedesktop.org/modules/</a>
GSTREAMER PLUGINS- BASE	0.10. 36	GNU Less er Gen eral Publi c Lice nse v2.1 or later	<a href="http://gstreamer.freedesktop.org/src/gst-plugins-base/">http://gstreamer.freedesktop.org/src/gst-plugins-base/</a>	<a href="http://gstreamer.freedesktop.org/src/gst-plugins-base/">http://gstreamer.freedesktop.org/src/gst-plugins-base/</a>
hostapd - IEEE 802.11 AP & IEEE 802.1X/WPA/ WPA2/EAP/RA DIUS Authenticator	2.5	BSD 3- claus e "New " or "Revi	<a href="http://hostap.epitest.fi/hostapd/">http://hostap.epitest.fi/hostapd/</a>	<a href="http://hostap.epitest.fi/hostapd/">http://hostap.epitest.fi/hostapd/</a>

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		sed" Lice nse		
htop	1.0.3	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://github.com/hishamhm/htop/">http://github.com/hishamhm/htop/</a>	<a href="http://github.com/hishamhm/htop/">http://github.com/hishamhm/htop/</a>
IDEA_FUNC TION	Unsp ecifie d	MIT v2 with Ad Clau se Lice nse	<a href="https://github.com/ShiftMediaProject/libgcript/tree/master/cipher">https://github.com/ShiftMediaProject/libgcript/tree/master/cipher</a>	<a href="https://github.com/ShiftMediaProject/libgcript/tree/master/cipher">https://github.com/ShiftMediaProject/libgcript/tree/master/cipher</a>
imx_usb_loade r	Unsp ecifie d	GNU Less er Gen eral Publi c Lice nse v2.1 or later	<a href="http://github.com/boundarydevices/imx_usb_loader/">http://github.com/boundarydevices/imx_usb_loader/</a>	<a href="http://github.com/boundarydevices/imx_usb_loader/">http://github.com/boundarydevices/imx_usb_loader/</a>
Info-Zip	3.0	Info- ZIP Upd ated Lice nse	<a href="http://www.info-zip.org/pub/infozip/Zip.html">http://www.info-zip.org/pub/infozip/Zip.html</a>	<a href="http://www.info-zip.org/pub/infozip/Zip.html">http://www.info-zip.org/pub/infozip/Zip.html</a>
lperf	2.0.5	lperf Lice nse	<a href="http://sourceforge.net/projects/lperf/">http://sourceforge.net/projects/lperf/</a>	<a href="http://sourceforge.net/projects/lperf/">http://sourceforge.net/projects/lperf/</a>
IPTables	1.4.2 1	GNU Gen	<a href="http://www.netfilter.org/">http://www.netfilter.org/</a>	<a href="http://www.netfilter.org/">http://www.netfilter.org/</a>

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		eral Publi c Lice nse v2.0 or later		
ISC DHCP	4.1.2	ISC Lice nse	<a href="http://www.isc.org/software/dhcp/">http://www.isc.org/software/dhcp/</a>	<a href="http://www.isc.org/software/dhcp/">http://www.isc.org/software/dhcp/</a>
iw-ct	3.14	ISC Lice nse	<a href="http://github.com/greearb/iw-ct/">http://github.com/greearb/iw-ct/</a>	<a href="http://github.com/greearb/iw-ct/">http://github.com/greearb/iw-ct/</a>
jquery	Unsp ecifie d	MIT Lice nse	<a href="http://github.com/jquery/jquery/">http://github.com/jquery/jquery/</a>	<a href="http://github.com/jquery/jquery/">http://github.com/jquery/jquery/</a>
keyutils	1.5.9	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://people.redhat.com/~dhowells/keyutils/">http://people.redhat.com/~dhowells/keyutils/</a>	<a href="http://people.redhat.com/~dhowells/keyutils/">http://people.redhat.com/~dhowells/keyutils/</a>
Kmod_Linux	22	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="https://github.com/lucasdemarchi/kmod">https://github.com/lucasdemarchi/kmod</a>	<a href="https://github.com/lucasdemarchi/kmod">https://github.com/lucasdemarchi/kmod</a>
Less	443	Less Lice nse	<a href="http://www.greenwoodsoftware.com/less/">http://www.greenwoodsoftware.com/less/</a>	<a href="http://www.greenwoodsoftware.com/less/">http://www.greenwoodsoftware.com/less/</a>
Lib Cap	2.24	BSD 3- claus e	<a href="http://sites.google.com/site/fullycapable/">http://sites.google.com/site/fullycapable/</a>	<a href="http://sites.google.com/site/fullycapable/">http://sites.google.com/site/fullycapable/</a>

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		"New" or "Revised" License		
libboost	Unspecified	Boost Software License 1.0		
libbtserviceapi	Unspecified	Unspecified		
libbtserviceapi	Unspecified	Robert Bosch Proprietary		
libtrace	Unspecified	Robert Bosch Proprietary		
libffi	3.2.1	Libffi License	<a href="http://sourceware.org/libffi/">http://sourceware.org/libffi/</a>	<a href="http://sourceware.org/libffi/">http://sourceware.org/libffi/</a>
libcrypt	Unspecified	GNU Lesser General Public License v2.1	<a href="http://www.gnupg.org">http://www.gnupg.org</a>	<a href="http://www.gnupg.org">http://www.gnupg.org</a>


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libgrypt_GPL	1.7.6	or later GNU Gen eral Publi c Lice nse v2.0 or later	<a href="https://github.com/ShiftMediaProject/libgrypt/tree/libgrypt-1.7.6">https://github.com/ShiftMediaProject/libgrypt/tree/libgrypt-1.7.6</a>	<a href="https://github.com/ShiftMediaProject/libgrypt/tree/libgrypt-1.7.6">https://github.com/ShiftMediaProject/libgrypt/tree/libgrypt-1.7.6</a>
Libgpg-error Lib	1.20	GNU Less er Gen eral Publi c Lice nse v2.1 or later	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
libgudev	230	GNU Libra ry Gen eral Publi c Lice nse v2 or later	<a href="https://wiki.gnome.org/Projects/libgudev">https://wiki.gnome.org/Projects/libgudev</a>	<a href="https://wiki.gnome.org/Projects/libgudev">https://wiki.gnome.org/Projects/libgudev</a>
libmnl	Unsp ecifie d	GNU Less er Gen eral Publi c Lice nse	<a href="http://www.netfilter.org/projects/libmnl/">http://www.netfilter.org/projects/libmnl/</a>	<a href="http://www.netfilter.org/projects/libmnl/">http://www.netfilter.org/projects/libmnl/</a>



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		v2.1 or later		
libmount	Unspecified	GNU Lesser General Public License v2.1 or later	<a href="https://github.com/karelzak/util-linux/tree/master/libmount">https://github.com/karelzak/util-linux/tree/master/libmount</a>	<a href="https://github.com/karelzak/util-linux/tree/master/libmount">https://github.com/karelzak/util-linux/tree/master/libmount</a>
libndp	libndp_test1	GNU Lesser General Public License v2.1 or later	<a href="http://libndp.org/">http://libndp.org/</a>	<a href="http://libndp.org/">http://libndp.org/</a>
libnftnl	Unspecified	GNU General Public License v2.0 or later	<a href="http://www.netfilter.org/projects/libnftnl/">http://www.netfilter.org/projects/libnftnl/</a>	<a href="http://www.netfilter.org/projects/libnftnl/">http://www.netfilter.org/projects/libnftnl/</a>
libnl - Netlink Library	3.2.25	GNU Lesser General Public License	<a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a>	<a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a>

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		Lic nse v2.1 or later		
libnl - Netlink Library	1.1	GNU Lesser General Public License v2.1 or later	<a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a>	<a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a>
liboil	0.3.16	BSD 2-clause "Simplified" License	<a href="http://liboil.freedesktop.org/wiki/">http://liboil.freedesktop.org/wiki/</a>	<a href="http://liboil.freedesktop.org/wiki/">http://liboil.freedesktop.org/wiki/</a>
libsmartcols	Unspecified	GNU Lesser General Public License v2.1 or later	<a href="https://github.com/karelzak/util-linux/tree/master/libsmartcols">https://github.com/karelzak/util-linux/tree/master/libsmartcols</a>	<a href="https://github.com/karelzak/util-linux/tree/master/libsmartcols">https://github.com/karelzak/util-linux/tree/master/libsmartcols</a>
libsocketcan	0.0.10	GNU Lesser General Public	<a href="http://www.pengutronix.de/software/libsocketcan/download/">http://www.pengutronix.de/software/libsocketcan/download/</a>	<a href="http://www.pengutronix.de/software/libsocketcan/download/">http://www.pengutronix.de/software/libsocketcan/download/</a>

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		c Lice nse v2.1 or later		
Libtasn1	3.2	GNU Less er Gen eral Publi c Lice nse v2.1 or later	<a href="http://www.gnu.org/software/libtasn1/">http://www.gnu.org/software/libtasn1/</a>	<a href="http://www.gnu.org/software/libtasn1/">http://www.gnu.org/software/libtasn1/</a>
libtopas_test	Unsp ecifie d	Rob ert Bosc h Prop rietar y		
libtopasapidtsi	Unsp ecifie d	Rob ert Bosc h Prop rietar y		
libusb	1.0.1 8	GNU Less er Gen eral Publi c Lice nse v2.1 or later	<a href="http://sourceforge.net/projects/libusb/">http://sourceforge.net/projects/libusb/</a>	<a href="http://sourceforge.net/projects/libusb/">http://sourceforge.net/projects/libusb/</a>

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libuuid	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="https://github.com/karelzak/util-linux/tree/master/libuuid">https://github.com/karelzak/util-linux/tree/master/libuuid</a>	<a href="https://github.com/karelzak/util-linux/tree/master/libuuid">https://github.com/karelzak/util-linux/tree/master/libuuid</a>
libvehiclenetwork	Unspecified	Robert Bosch Proprietary		
libxml2	2.9.4	MIT License	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
libzip	1.0.1	BSD 3-clause "New" or "Revised" License	<a href="http://www.nih.at/libzip/">http://www.nih.at/libzip/</a>	<a href="http://www.nih.at/libzip/">http://www.nih.at/libzip/</a>
Logging Framework for C++	1.1.2	Apache License 2.0	<a href="http://sourceforge.net/projects/log4cplus/">http://sourceforge.net/projects/log4cplus/</a>	<a href="http://sourceforge.net/projects/log4cplus/">http://sourceforge.net/projects/log4cplus/</a>
Logging Framework for C++	1.1.2	Apache License 2.0	<a href="http://sourceforge.net/projects/log4cplus/">http://sourceforge.net/projects/log4cplus/</a>	<a href="http://sourceforge.net/projects/log4cplus/">http://sourceforge.net/projects/log4cplus/</a>
Logrotate Utility	3.9.1	GNU General Public	<a href="https://fedorahosted.org/logrotate/">https://fedorahosted.org/logrotate/</a>	<a href="https://fedorahosted.org/logrotate/">https://fedorahosted.org/logrotate/</a>

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		c Lice nse v2.0 or later		
lrzsz	0.12. 20	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://www.ohse.de/uwe/software/lrzsz.html">http://www.ohse.de/uwe/software/lrzsz.html</a>	<a href="http://www.ohse.de/uwe/software/lrzsz.html">http://www.ohse.de/uwe/software/lrzsz.html</a>
ltmain.sh	Unsp ecifie d	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://www.gnu.org">http://www.gnu.org</a>	<a href="http://www.gnu.org">http://www.gnu.org</a>
luafilesystem	v_1_ 6_3	MIT Lice nse	<a href="http://github.com/keplerproject/luafilesystem/">http://github.com/keplerproject/luafilesystem/</a>	<a href="http://github.com/keplerproject/luafilesystem/">http://github.com/keplerproject/luafilesystem/</a>
Minicom	2.6.2	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://alioth.debian.org/projects/minicom/">http://alioth.debian.org/projects/minicom/</a>	<a href="http://alioth.debian.org/projects/minicom/">http://alioth.debian.org/projects/minicom/</a>
mtd-utils	1.5.2	GNU Gen eral Publi c	<a href="http://git.infradead.org/mtd-utils.git">http://git.infradead.org/mtd-utils.git</a>	<a href="http://git.infradead.org/mtd-utils.git">http://git.infradead.org/mtd-utils.git</a>

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		Lic nse v2.0 or later		
ncurses	5.9	X11 Lic nse	<a href="https://www.gnu.org/software/ncurses/ncurses.html">https://www.gnu.org/software/ncurses/ncurses.html</a>	<a href="https://www.gnu.org/software/ncurses/ncurses.html">https://www.gnu.org/software/ncurses/ncurses.html</a>
Nettle	2.7.1	GNU Less er Gen eral Publi c Lic nse v2.1 or later	<a href="http://www.lysator.liu.se/~nisse/nettle/">http://www.lysator.liu.se/~nisse/nettle/</a>	<a href="http://www.lysator.liu.se/~nisse/nettle/">http://www.lysator.liu.se/~nisse/nettle/</a>
NYS_Library	Unsp ecifie d	GNU Libra ry Gen eral Publi c Lic nse v2 or later	<a href="https://github.com/stevenylai/ralink_sdk/blob/master/source/user/eatables-v2.0.9-2/getethertype.c">https://github.com/stevenylai/ralink_sdk/blob/master/source/user/eatables-v2.0.9-2/getethertype.c</a>	<a href="https://github.com/stevenylai/ralink_sdk/blob/master/source/user/eatables-v2.0.9-2/getethertype.c">https://github.com/stevenylai/ralink_sdk/blob/master/source/user/eatables-v2.0.9-2/getethertype.c</a>
OpenSSH	7.1p2	BSD 2- claus e "Sim plifie d" Lic nse	<a href="http://www.openssh.com/portable.html">http://www.openssh.com/portable.html</a>	<a href="http://www.openssh.com/portable.html">http://www.openssh.com/portable.html</a>
OpenSSL	1.0.2 e	Ope nSS L Com	<a href="http://www.openssl.org/">http://www.openssl.org/</a>	<a href="http://www.openssl.org/">http://www.openssl.org/</a>

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		binned License		
opkg	0.3.0	GNU General Public License v2.0 or later	<a href="https://git.yoctoproject.org/cgit/cgit.cgi/opkg/">https://git.yoctoproject.org/cgit/cgit.cgi/opkg/</a>	<a href="https://git.yoctoproject.org/cgit/cgit.cgi/opkg/">https://git.yoctoproject.org/cgit/cgit.cgi/opkg/</a>
PCRE	8.32	PCRE 5 License	<a href="http://sourceforge.net/projects/pcrere/">http://sourceforge.net/projects/pcrere/</a>	<a href="http://sourceforge.net/projects/pcrere/">http://sourceforge.net/projects/pcrere/</a>
PCSC Lite	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://pcsc-lite.alieth.debian.org/">http://pcsc-lite.alieth.debian.org/</a>	<a href="http://pcsc-lite.alieth.debian.org/">http://pcsc-lite.alieth.debian.org/</a>
Popt	1.15	X11 License	<a href="http://freshmeat.net/projects/popt/">http://freshmeat.net/projects/popt/</a>	<a href="http://freshmeat.net/projects/popt/">http://freshmeat.net/projects/popt/</a>
ppp - Pauls PPP Package	Unspecified	GNU General Public License v2.0 or later	<a href="http://ppp.samba.org/ppp/index.html">http://ppp.samba.org/ppp/index.html</a>	<a href="http://ppp.samba.org/ppp/index.html">http://ppp.samba.org/ppp/index.html</a>
ppp - Pauls PPP Package	2.4.7	GNU General	<a href="https://ppp.samba.org/index.html">https://ppp.samba.org/index.html</a>	<a href="https://ppp.samba.org/index.html">https://ppp.samba.org/index.html</a>

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		Public License v2.0 or later		
protobuf	2.5.0	BSD 3-clause "New" or "Revised" License	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>
ReadLine Front-End	Unspecified	GNU General Public License v2.0 or later	<a href="https://github.com/issuu/readline/tree/master/examples/rfe">https://github.com/issuu/readline/tree/master/examples/rfe</a>	<a href="https://github.com/issuu/readline/tree/master/examples/rfe">https://github.com/issuu/readline/tree/master/examples/rfe</a>
rsync	2.6.9	GNU General Public License v2.0 or later	<a href="http://samba.anu.edu.au/rsync/">http://samba.anu.edu.au/rsync/</a>	<a href="http://samba.anu.edu.au/rsync/">http://samba.anu.edu.au/rsync/</a>
S Trace	4.10	BSD 3-clause "New" or "Revised" License	<a href="http://sourceforge.net/projects/strace/">http://sourceforge.net/projects/strace/</a>	<a href="http://sourceforge.net/projects/strace/">http://sourceforge.net/projects/strace/</a>



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		sed" Lice nse		
siphash	Unsp ecifie d	Publi c Dom ain	<a href="http://github.com/dchest/siphash/">http://github.com/dchest/siphash/</a>	<a href="http://github.com/dchest/siphash/">http://github.com/dchest/siphash/</a>
smhasher	3090 200	Publi c Dom ain	<a href="http://code.google.com/p/smhasher/">http://code.google.com/p/smhasher/</a>	<a href="http://code.google.com/p/smhasher/">http://code.google.com/p/smhasher/</a>
SQLite	3090 200	Publi c Dom ain	<a href="http://www.hwaci.com/sw/sqlite/i&lt;br/&gt;ndex.html">http://www.hwaci.com/sw/sqlite/i ndex.html</a>	<a href="http://www.hwaci.com/sw/sqlite/index.html">http://www.hwaci.com/sw/sqlite/index.html</a>
squashfs-tools	4.3	GNU Gen eral Publi c Lice nse v2.0 or later	<a href="http://github.com/plougher/squas&lt;br/&gt;hfs-tools/">http://github.com/plougher/squas hfs-tools/</a>	<a href="http://github.com/plougher/squashfs-tools/">http://github.com/plougher/squashfs-tools/</a>
systemd	228	GNU Less er Gen eral Publi c Lice nse v2.1 or later	<a href="http://freedesktop.org/wiki/Softwa&lt;br/&gt;re/systemd/">http://freedesktop.org/wiki/Softwa re/systemd/</a>	<a href="http://freedesktop.org/wiki/Software/system&lt;br/&gt;d/">http://freedesktop.org/wiki/Software/system d/</a>
Tiny Asynchronous DNS lookup library	Unsp ecifie d	Beer ware Lice nse	<a href="http://sourceforge.net/projects/ad&lt;br/&gt;ns/">http://sourceforge.net/projects/ad ns/</a>	<a href="http://sourceforge.net/projects/adns/">http://sourceforge.net/projects/adns/</a>
TLSF	1.9	Publi c	<a href="http://tlsf.baisoku.org">http://tlsf.baisoku.org</a>	<a href="http://tlsf.baisoku.org">http://tlsf.baisoku.org</a>

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		Domain		
UBIFS	Unspecified	GNU General Public License v2.0 or later	<a href="http://www.linux-mtd.infradead.org/doc/ubifs.html">http://www.linux-mtd.infradead.org/doc/ubifs.html</a>	<a href="http://www.linux-mtd.infradead.org/doc/ubifs.html">http://www.linux-mtd.infradead.org/doc/ubifs.html</a>
uClibc - A C Library for Embedded Linux	0.9.30.3	GNU Lesser General Public License v2.1 or later	<a href="http://www.uclibc.org/">http://www.uclibc.org/</a>	<a href="http://www.uclibc.org/">http://www.uclibc.org/</a>
USB Utils	007	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>	<a href="https://www.kernel.org/pub/linux/utils/usb/usbutils/">https://www.kernel.org/pub/linux/utils/usb/usbutils/</a>
USB-DFU	1.0	GNU General Public License v2.0 or later	<a href="http://www.usb.org/home">http://www.usb.org/home</a>	<a href="http://www.usb.org/home">http://www.usb.org/home</a>

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usbnet	Unspecified	GNU Lesser General Public License v2.1 or later	<a href="http://www.linux-usb.org/usbnet/">http://www.linux-usb.org/usbnet/</a>	<a href="http://www.linux-usb.org/usbnet/">http://www.linux-usb.org/usbnet/</a>
Util-Linux	2.27.1	GNU General Public License v2.0 or later	<a href="http://freshmeat.net/projects/util-linux/">http://freshmeat.net/projects/util-linux/</a>	<a href="http://freshmeat.net/projects/util-linux/">http://freshmeat.net/projects/util-linux/</a>
util-unix-ng	Unspecified	GNU General Public License v2.0 or later	<a href="http://userweb.kernel.org/~kzak/util-linux-ng/">http://userweb.kernel.org/~kzak/util-linux-ng/</a>	<a href="http://userweb.kernel.org/~kzak/util-linux-ng/">http://userweb.kernel.org/~kzak/util-linux-ng/</a>
Wide_Project	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://www.wide.ad.jp/index.html">http://www.wide.ad.jp/index.html</a>	<a href="http://www.wide.ad.jp/index.html">http://www.wide.ad.jp/index.html</a>
wireless-tools	30	GNU Gen	<a href="http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html">http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html</a>	<a href="http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html">http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html</a>

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		eral Publi c Lice nse v2.0 or later		
wpa_supplicant - IEEE 802.1X, WPA, WPA2, RSN, IEEE 802.11i	2.5	BSD 3-clause "New" or "Revised" License	<a href="http://hostap.epitest.fi/wpa_supplicant/">http://hostap.epitest.fi/wpa_supplicant/</a>	<a href="http://hostap.epitest.fi/wpa_supplicant/">http://hostap.epitest.fi/wpa_supplicant/</a>
XZ Utils	5.0.4	Public Domain	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>
yajl	Unspecified	ISC License	<a href="http://github.com/lloyd/yajl/">http://github.com/lloyd/yajl/</a>	<a href="http://github.com/lloyd/yajl/">http://github.com/lloyd/yajl/</a>
yajl	2.1.0	ISC License	<a href="http://github.com/lloyd/yajl/">http://github.com/lloyd/yajl/</a>	<a href="http://github.com/lloyd/yajl/">http://github.com/lloyd/yajl/</a>
zlib	1.2.8, 1.1.3	zlib License	<a href="http://www.zlib.net">http://www.zlib.net</a>	<a href="http://www.zlib.net">http://www.zlib.net</a>

### 3.6. Supplier: Nuance

Supplier: Nuance				
Component	Version	License	Home Page	Copyright
PCRE	8.44	BSD 3-Clause "New" or "Revised" License	<a href="http://www.pcre.org">http://www.pcre.org</a>	

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### 3.7. Supplier : OMRON

Supplier: OMRON				
Component name	Version	License	Homepage	Copyright
SimString	1	The BSD license	<a href="http://www.chokkan.org/software/simstring/">http://www.chokkan.org/software/simstring/</a>	Copyright (c) 2009,2010 Naoaki Okazaki All rights reserved.

### 3.8. Supplier : Redbend\_SWM

Supplier: Redbend_SWM				
Component	Version	License	Home Page	Copyright
action	0.1.1	Apache License 2.0	<a href="http://repo1.maven.org/maven2/com/nin-g/metrics/action/">http://repo1.maven.org/maven2/com/nin-g/metrics/action/</a>	<a href="http://repo1.maven.org/maven2/com/nin-g/metrics/action/">http://repo1.maven.org/maven2/com/nin-g/metrics/action/</a>
Android - platform - dalvik	2.1_r1	Apache License 2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>
Android - platform - frameworks - base	4.0.1_r1	Apache License 2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>
Android - platform - prebuilts - sdk	4.4_r1	Apache License 2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>
Android SDK Support Libraries	19	Apache License 2.0	<a href="https://developer.android.com/tools/sup-ports-library/index.html">https://developer.android.com/tools/sup-ports-library/index.html</a>	<a href="https://developer.android.com/tools/sup-ports-library/index.html">https://developer.android.com/tools/sup-ports-library/index.html</a>
Android SDK Support Libraries	23.1.1	Apache License 2.0	<a href="https://developer.android.com/tools/sup-ports-library/index.html">https://developer.android.com/tools/sup-ports-library/index.html</a>	<a href="https://developer.android.com/tools/sup-ports-library/index.html">https://developer.android.com/tools/sup-ports-library/index.html</a>
Drools :: Scorecards	5.5.0.Final	Apache License 2.0	<a href="http://mirrors.ibiblio.org/maven2/org/drools/droolsscorecards/">http://mirrors.ibiblio.org/maven2/org/drools/droolsscorecards/</a>	<a href="http://mirrors.ibiblio.org/maven2/org/drools/droolsscorecards/">http://mirrors.ibiblio.org/maven2/org/drools/droolsscorecards/</a>
mongolduu	master-20121109	Apache License 2.0	<a href="http://github.com/tugstugi/mongolduu/">http://github.com/tugstugi/mongolduu/</a>	<a href="http://github.com/tugstugi/mongolduu/">http://github.com/tugstugi/mongolduu/</a>
Stan-for-Android	0.1.0	Apache License 2.0	<a href="http://github.com/La-bel305/Stan-forAndroid/">http://github.com/La-bel305/Stan-forAndroid/</a>	<a href="http://github.com/La-bel305/Stan-forAndroid/">http://github.com/La-bel305/Stan-forAndroid/</a>

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doT	1.0.1	MIT License	<a href="http://github.com/ola do/doT/">http://github.com/ola do/doT/</a>	<a href="http://github.com/ola do/doT/">http://github.com/ola do/doT/</a>
jquery	2.0.3	MIT License	<a href="http://github.com/jquery/jquery/">http://github.com/jquery/jquery/</a>	<a href="http://github.com/jquery/jquery/">http://github.com/jquery/jquery/</a>
jquery_mobile_rails	1.3.2	MIT License	<a href="http://rubygems.org/gems/jquery_mobile_rails">http://rubygems.org/gems/jquery_mobile_rails</a>	<a href="http://rubygems.org/gems/jquery_mobile_rails">http://rubygems.org/gems/jquery_mobile_rails</a>
SafeSlinger-Android	1.8.3-messenger	MIT License	<a href="http://github.com/SafeSlingerProject/SafeSlinger-Android/">http://github.com/SafeSlingerProject/SafeSlinger-Android/</a>	<a href="http://github.com/SafeSlingerProject/SafeSlinger-Android/">http://github.com/SafeSlingerProject/SafeSlinger-Android/</a>
OpenSSL	Generic Version	OpenSSL Combined License	<a href="http://www.openssl.org/">http://www.openssl.org/</a>	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
CRC32 MIT.edu	Generic Version	Public Domain	<a href="http://web.mit.edu/">http://web.mit.edu/</a>	<a href="http://web.mit.edu/">http://web.mit.edu/</a>
SHA-1 in C	9/1/2001	Public Domain	<a href="http://www.mirrors.wiretapped.net/security/cryptography/hash es/sha1">http://www.mirrors.wiretapped.net/security/cryptography/hash es/sha1</a>	<a href="http://www.mirrors.wiretapped.net/security/cryptography/hash es/sha1">http://www.mirrors.wiretapped.net/security/cryptography/hash es/sha1</a>
SyncML C Toolkit	4.0.3	SyncML License	<a href="http://sourceforge.net/projects/syncmlctoolkit/">http://sourceforge.net/projects/syncmlctoolkit/</a>	<a href="http://sourceforge.net/projects/syncmlctoolkit/">http://sourceforge.net/projects/syncmlctoolkit/</a>

### 3.9.Supplier : Redbend

Supplier: Redbend				
Component	Version	License	Home Page	Copyright
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>	<a href="http://www.7-zip.org/sdk.html">http://www.7-zip.org/sdk.html</a>
7 Zip - LZMA SDK	4.01	Public Domain.	<a href="http://sourceforge.net/projects/sevenzips/">http://sourceforge.net/projects/sevenzips/</a>	<a href="http://sourceforge.net/projects/sevenzips/">http://sourceforge.net/projects/sevenzips/</a>
Android - platform - bootable - recovery	4.2	Apache License 2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>
Android - platform - system - core	4.2	Apache License 2.0	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>

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bsdiff	4.3	BSDiff license	<a href="http://github.com/geraldonetto/bsdiff/">http://github.com/geraldonetto/bsdiff/</a>	<a href="http://github.com/geraldonetto/bsdiff/">http://github.com/geraldonetto/bsdiff/</a>
CMarkup	11.05	Acquired CMarkup Developer License	<a href="http://www.firstobject.com/dn_markup.htm">http://www.firstobject.com/dn_markup.htm</a>	<a href="http://www.firstobject.com/dn_markup.htm">http://www.firstobject.com/dn_markup.htm</a>
CRC table (Autogen)	Has no version number	Public Domain	<a href="http://en.wikipedia.org/wiki/Cyclic_redundancy_check">http://en.wikipedia.org/wiki/Cyclic_redundancy_check</a>	<a href="http://en.wikipedia.org/wiki/Cyclic_redundancy_check">http://en.wikipedia.org/wiki/Cyclic_redundancy_check</a>
Filesystem in Userspace	2.8.5	BSD 2-clause "Simplified" License	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>
Filesystem in Userspace	2.9.3	GNU Lesser General Public License v2.1 or later	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>
FreeBSD	2.2.2	BSD 4-clause "Original" or "Old" License	<a href="http://www.freebsd.org">http://www.freebsd.org</a>	<a href="http://www.freebsd.org">http://www.freebsd.org</a>
Freescale Semiconductor CodeWarrior Development Studio for MPC55xx/MP C56xx	2.10 special edition	Commercial license		
GNU C Library - glibc	2.2.4	GNU Lesser General	<a href="http://www.gnu.org/software/libc/libc.html">http://www.gnu.org/software/libc/libc.html</a>	<a href="http://www.gnu.org/software/libc/libc.html">http://www.gnu.org/software/libc/libc.html</a>

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		Public License v2.1 or later		
Lawicel CAN USB sample code	0.1.8	Lawicel CAN USB sample code license	<a href="http://www.can232.com/?page_id=75">http://www.can232.com/?page_id=75</a>	<a href="http://www.can232.com/?page_id=75">http://www.can232.com/?page_id=75</a>
libdivsufsort	2.0.0	MIT License	<a href="http://code.google.com/p/libdivsufsort/">http://code.google.com/p/libdivsufsort/</a>	<a href="http://code.google.com/p/libdivsufsort/">http://code.google.com/p/libdivsufsort/</a>
lz4	94	BSD 2-clause "Simplified" License	<a href="http://code.google.com/p/lz4/">http://code.google.com/p/lz4/</a>	<a href="http://code.google.com/p/lz4/">http://code.google.com/p/lz4/</a>
LZO real-time data compression library	2.04	Acquired commercial license	<a href="http://www.oberhumer.com/opensource/lzo/">http://www.oberhumer.com/opensource/lzo/</a>	<a href="http://www.oberhumer.com/opensource/lzo/">http://www.oberhumer.com/opensource/lzo/</a>
MSDN Sample Code	vs.85	Microsoft Limited Public License (MS-LPL)	<a href="http://msdn.microsoft.com/en-US/windows/">http://msdn.microsoft.com/en-US/windows/</a>	<a href="http://msdn.microsoft.com/en-US/windows/">http://msdn.microsoft.com/en-US/windows/</a>
NetBSD	6	BSD 3-clause "New" or "Revised" License	<a href="http://www.netbsd.org/">http://www.netbsd.org/</a>	<a href="http://www.netbsd.org/">http://www.netbsd.org/</a>
UCL Data Compression Library	1.03	Acquired commercial license	<a href="http://www.oberhumer.com/opensource/ucl/">http://www.oberhumer.com/opensource/ucl/</a>	<a href="http://www.oberhumer.com/opensource/ucl/">http://www.oberhumer.com/opensource/ucl/</a>
XMLFoundation	Apr-14	MIT License	<a href="http://xmlfoundation.codeplex.com/">http://xmlfoundation.codeplex.com/</a>	<a href="http://xmlfoundation.codeplex.com/">http://xmlfoundation.codeplex.com/</a>
zlib	1.2.3	zlib License	<a href="http://www.zlib.net">http://www.zlib.net</a>	<a href="http://www.zlib.net">http://www.zlib.net</a>



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### 3.10. Supplier : SK\_telecom

Supplier: SK_telecom				
Component name	Version	License	Homepage	Copyright
aladdin-md5	Unspecified	zlib License	<a href="https://opensource.apple.com/source/cups/cups-30/cups/md5.h.auto.html">https://opensource.apple.com/source/cups/cups-30/cups/md5.h.auto.html</a>	Copyright (C) 1999 Aladdin Enterprises
Alsa Libraries	Unspecified	GNU Lesser General Public License v2.1 or later	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>	
Android - platform - frameworks - base	android-7.0.0_r1	Apache License 2.0	<a href="https://android.googlesource.com/platform/frameworks/base">https://android.googlesource.com/platform/frameworks/base</a>	(C) 2015 The Android Open Source Project
Android - platform - frameworks - base	Unspecified	Apache License 2.0	<a href="https://android.googlesource.com/platform/frameworks/base">https://android.googlesource.com/platform/frameworks/base</a>	
Anti-Grain Geometry	Unspecified	Anti-Grain Geometry Public License	<a href="http://sourceforge.net/projects/vector-agg/">http://sourceforge.net/projects/vector-agg/</a>	Copyright (C) 2002-2005 Maxim Shemanarev
Boost C++ Libraries - boost	Unspecified	Boost Software License - Version 1.0	<a href="http://boost.org/">http://boost.org/</a>	
Code Project - C++ Memory Pool	1	The Code Project Open License (CPOL) 1.02	<a href="http://www.codeproject.com/KB/cpp/MemoryPool.aspx">http://www.codeproject.com/KB/cpp/MemoryPool.aspx</a>	
Curl and Libcurl	Unspecified	curl License	<a href="http://github.com/curl/curl/">http://github.com/curl/curl/</a>	Copyright (C) 1998 - 2011, Daniel Stenberg
gecko-dev	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://github.com/mozilla/gecko-dev/">http://github.com/mozilla/gecko-dev/</a>	(C) 2002 Jean-Marc Valin
gpclib	Unspecified	Commercial License	<a href="http://github.com/rdpeng/gpplib/">http://github.com/rdpeng/gpplib/</a>	(C) 1997-2004, Advanced Interfaces Group, University of Manchester.
GSM 06.10 Lossy Speech Compression	Unspecified	GSM License	<a href="http://kbs.cs.tu-berlin.de/~jutta/toast.html">http://kbs.cs.tu-berlin.de/~jutta/toast.html</a>	Copyright 1992, 1993, 1994 by Jutta Degener and Carsten Bormann

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GStreamer	Unspecified	GNU Library General Public License v2 or later	<a href="http://gstreamer.freedesktop.org/modules/">http://gstreamer.freedesktop.org/modules/</a>	
jsoncpp	Unspecified	Public Domain or MIT	<a href="http://sourceforge.net/projects/jsoncpp/">http://sourceforge.net/projects/jsoncpp/</a>	Copyright (c) 2007-2010 by Baptiste Lepilleur and The JsonCpp Authors,
libogg	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://xiph.org/ogg/">http://xiph.org/ogg/</a>	Copyright (c) 2002, Xiph.org Foundation
libxml2	Unspecified	MIT license	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>	
OpenGL-Examples	master - 20141123	zlib License	<a href="http://github.com/progschj/OpenGL-Examples/">http://github.com/progschj/OpenGL-Examples/</a>	Copyright (c) 2012 Jakob Progsch
OpenSSL	1.0.2	OpenSSL Combined License	<a href="http://www.openssl.org">http://www.openssl.org</a>	
Opus	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://opus-codec.org">http://opus-codec.org</a>	Copyright (c) 2007-2008 CSIRO Copyright (c) 2007-2010 Xiph.Org Foundation Copyright (c) 2008 Gregory Maxwell
pkgconf	Unspecified	ISC License	<a href="http://github.com/pkgconf/pkgconf/">http://github.com/pkgconf/pkgconf/</a>	Copyright (c) 1998 Todd C. Miller
pugixml	Unspecified	MIT license	<a href="http://pugixml.org/">http://pugixml.org/</a>	Copyright (c) 2006-2018 Arseny Kapoulkine
PVRTC Library	Unspecified	Unspecified	<a href="https://www.imgtec.com/developers/powervr-sdk-tools/installers/">https://www.imgtec.com/developers/powervr-sdk-tools/installers/</a>	
SDL	2	zlib License	<a href="http://www.libsdl.org/index.php">http://www.libsdl.org/index.php</a>	Copyright (C) 1997-2016 Sam Lantinga
SDL_gfx	Unspecified	zlib License	<a href="http://sourceforge.net/projects/sdlgfx/">http://sourceforge.net/projects/sdlgfx/</a>	
Speex	1.2beta2 dev	BSD 3-clause "New" or "Revised" License	<a href="http://www.speex.org/">http://www.speex.org/</a>	
SQLite	Unspecified	Public domain	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>	
Sunrise/set calculator	Unspecified	Public domain	<a href="https://stjarnhimlen.se/comp/sunriset.c">https://stjarnhimlen.se/comp/sunriset.c</a>	
tiny-AES128-C	20141218	Public domain	<a href="http://github.com/kokke/tiny-AES128-C/">http://github.com/kokke/tiny-AES128-C/</a>	

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wosh	Unspecified	BSD 3-clause "New" or "Revised" License	<a href="http://code.google.com/p/wosh/">http://code.google.com/p/wosh/</a>	Copyright (C) 2002 Michael Ringgaard. All rights reserved.
zlib	1.2.11	zlib License	<a href="http://www.zlib.net/">http://www.zlib.net/</a>	

### 3.11. Node Modules Components

Name of OSS Component	Version of OSS Component	Name and Version of License	Home page
buffer-crc32	0.2.5	MIT	<a href="https://github.com/brianloveswords/buffer-crc32">https://github.com/brianloveswords/buffer-crc32</a>
dbus-native	0.2.0	MIT	<a href="https://github.com/sidorares/node-dbus">https://github.com/sidorares/node-dbus</a>
dbus-proxy	0.0.0-unreleasable	NA	NA
abstract-socket	1.0	MIT	<a href="https://github.com/saghul/node-abstractsocket">https://github.com/saghul/node-abstractsocket</a>
bindings	1.2.1	MIT	<a href="https://github.com/TooTallNate/node-bindings">https://github.com/TooTallNate/node-bindings</a>
nan	2.4.0	MIT	<a href="https://github.com/nodejs/nan#readme">https://github.com/nodejs/nan#readme</a>
1to2	1.0.0	MIT	NA
event-stream	3.3.4	MIT	<a href="http://github.com/dominictarr/event-stream">http://github.com/dominictarr/event-stream</a>
duplexer	0.1	MIT	<a href="https://github.com/Raynos/duplexer">https://github.com/Raynos/duplexer</a>
from	0.3	MIT	<a href="https://github.com/dominictarr/from">https://github.com/dominictarr/from</a>
map-stream	0.0	NA	<a href="http://github.com/dominictarr/map-stream">http://github.com/dominictarr/map-stream</a>
pause-stream	0.0.11	MIT, Apache2	<a href="https://github.com/dominictarr/pause-stream">https://github.com/dominictarr/pause-stream</a>
split	0.3.3	MIT	<a href="http://github.com/dominictarr/split">http://github.com/dominictarr/split</a>
stream-combiner	0.0.4	MIT	<a href="https://github.com/dominictarr/stream-combiner">https://github.com/dominictarr/stream-combiner</a>
through	2.3.8	MIT	<a href="https://github.com/dominictarr/through">https://github.com/dominictarr/through</a>
put	0.0.6	MIT/X11	<a href="https://github.com/substack/node-put">https://github.com/substack/node-put</a>
xml2js	0.14	NA	<a href="https://github.com/Leonidas-from-XIV/node-xml2js">https://github.com/Leonidas-from-XIV/node-xml2js</a>
sax	1.2.1	ISC	<a href="https://github.com/isaacs/sax-js#readme">https://github.com/isaacs/sax-js#readme</a>
iconv-lite	0.4.15	MIT	<a href="https://github.com/ashtuchkin/iconv-lite">https://github.com/ashtuchkin/iconv-lite</a>
jbinary	2.2	MIT	<a href="https://github.com/jDataView/jBinary">https://github.com/jDataView/jBinary</a>

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es6-promise	2.0.1	MIT	NA
es6-promise	2.0.1	MIT	<a href="https://github.com/jakearchibald/ES6-Promises">https://github.com/jakearchibald/ES6-Promises</a>
jdataview	2.5.0	WTFPL	<a href="http://jDataView.github.io/">http://jDataView.github.io/</a>
request	2.53.0	Apache-2.0	<a href="https://github.com/request/request">https://github.com/request/request</a>
aws-sign2	0.5.0	NA	<a href="https://github.com/mikeal/aws-sign">https://github.com/mikeal/aws-sign</a>
bl	0.9.4	MIT	<a href="https://github.com/rvagg/bl">https://github.com/rvagg/bl</a>
readable-stream	1.0.33	MIT	<a href="https://github.com/isaacs/readable-stream">https://github.com/isaacs/readable-stream</a>
core-util-is	1.0.1	MIT	<a href="https://github.com/isaacs/core-util-is">https://github.com/isaacs/core-util-is</a>
inherits	2.0.1	ISC	<a href="https://github.com/isaacs/inherits">https://github.com/isaacs/inherits</a>
isarray	0.0.1	MIT	<a href="https://github.com/juliangruber/isarray">https://github.com/juliangruber/isarray</a>
string_decoder	0.10.31	MIT	<a href="https://github.com/rvagg/string_decoder">https://github.com/rvagg/string_decoder</a>
caseless	0.9.0	BSD	<a href="https://github.com/mikeal/caseless">https://github.com/mikeal/caseless</a>
combined-stream	0.0.7	NA	<a href="https://github.com/felixge/node-combined-stream">https://github.com/felixge/node-combined-stream</a>
delayed-stream	0.0.5	NA	<a href="https://github.com/felixge/node-delayed-stream">https://github.com/felixge/node-delayed-stream</a>
forever-agent	0.5.2	NA	<a href="https://github.com/mikeal/forever-agent">https://github.com/mikeal/forever-agent</a>
form-data	0.2.0	MIT	<a href="https://github.com/felixge/node-form-data">https://github.com/felixge/node-form-data</a>
async	0.9.0	MIT	<a href="https://github.com/caolan/async">https://github.com/caolan/async</a>
hawk	NA	./LICENSE	NA
hawk	2.3.1	BSD	<a href="https://github.com/hueniverse/hawk">https://github.com/hueniverse/hawk</a>
boom	2.6.1	BSD	<a href="https://github.com/hapijs/boom">https://github.com/hapijs/boom</a>
cryptiles	2.0.4	BSD	<a href="https://github.com/hapijs/cryptiles">https://github.com/hapijs/cryptiles</a>
hoek	2.11.0	BSD	<a href="https://github.com/hapijs/hoek">https://github.com/hapijs/hoek</a>
sntp	1.0.9	BSD	<a href="https://github.com/hueniverse/sntp">https://github.com/hueniverse/sntp</a>
http-signature	0.10.1	MIT	<a href="https://github.com/joyent/node-http-signature/">https://github.com/joyent/node-http-signature/</a>
asn1	0.11	NA	NA
assert-plus	0.5	NA	<a href="https://github.com/mcavage/node-assert-plus">https://github.com/mcavage/node-assert-plus</a>
ctype	0.5.3	NA	<a href="https://github.com/rmustacc/node-ctype">https://github.com/rmustacc/node-ctype</a>
isstream	0.1	MIT	<a href="https://github.com/rvagg/isstream">https://github.com/rvagg/isstream</a>
json-stringify-safe	5.0.0	BSD	<a href="https://github.com/isaacs/json-stringify-safe">https://github.com/isaacs/json-stringify-safe</a>
mime-types	2.0.9	MIT	<a href="https://github.com/jshttp/mime-types">https://github.com/jshttp/mime-types</a>
mime-db	1.7.0	MIT	<a href="https://github.com/jshttp/mime-db">https://github.com/jshttp/mime-db</a>

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node-uuid	1.4.2	MIT	<a href="https://github.com/broofa/node-uuid">https://github.com/broofa/node-uuid</a>
oauth-sign	0.6.0	NA	<a href="https://github.com/mikeal/oauth-sign">https://github.com/mikeal/oauth-sign</a>
qs	2.3.3	BSD	<a href="https://github.com/hapijs/qs">https://github.com/hapijs/qs</a>
stringstream	0.0.4	MIT	<a href="https://github.com/mhart/StringStream">https://github.com/mhart/StringStream</a>
tough-cookie	0.12.1	MIT	<a href="https://github.com/goinstant/tough-cookie">https://github.com/goinstant/tough-cookie</a>
punycode	1.3.2	MIT	<a href="https://mths.be/punycode">https://mths.be/punycode</a>
tunnel-agent	0.4.0	NA	<a href="https://github.com/mikeal/tunnel-agent">https://github.com/mikeal/tunnel-agent</a>
mkdirp	0.5.0	MIT	<a href="https://github.com/substack/node-mkdirp">https://github.com/substack/node-mkdirp</a>
minimist	0.0.8	MIT	<a href="https://github.com/substack/minimist">https://github.com/substack/minimist</a>
xml2js	0.4.5	MIT	<a href="https://github.com/Leonidas-from-XIV/node-xml2js">https://github.com/Leonidas-from-XIV/node-xml2js</a>
sax	0.6.1	BSD	<a href="https://github.com/isaacs/sax-js">https://github.com/isaacs/sax-js</a>
xmlbuilder	2.5.1	MIT	<a href="http://github.com/oozcitak/xmlbuilder-js">http://github.com/oozcitak/xmlbuilder-js</a>
lodash	3.0	MIT	<a href="https://lodash.com/">https://lodash.com/</a>

### 3.12. Miscellaneous components:

Sl. No	Component	Version	Home Page	License
1	Android SDK Support Libraries – 19	23.1.1	<a href="https://developer.android.com/tools/support-library/index.html">https://developer.android.com/tools/support-library/index.html</a>	Apache License 2.0
2	OpenSSL		<a href="http://www.openssl.org/">http://www.openssl.org/</a>	OpenSSL Combined License
3	CRC32		<a href="http://web.mit.edu/">http://web.mit.edu/</a>	Public Domain
4	SHA-1 in C		<a href="http://www.mirrors.wiretapped.net/security/cryptography/hashes/sha1">http://www.mirrors.wiretapped.net/security/cryptography/hashes/sha1</a>	Public Domain
5	Android - platform - bootable – recovery	4.0.1_r1	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Apache License 2.0
6	Android - platform - bootable – recovery	5.0.0_r1	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Apache License 2.0
7	Android - platform - bootable – recovery	2.3_r1	<a href="http://developer.android.com/index.html">http://developer.android.com/index.html</a>	Apache License 2.0
8	File system in Userspace	2.8.7	<a href="http://sourceforge.net/projects/fuse/">http://sourceforge.net/projects/fuse/</a>	BSD 2-clause "Simplified" License
9	lz4 Compression algorithm	r111	<a href="http://code.google.com/p/lz4/">http://code.google.com/p/lz4/</a>	BSD 2-clause "Simplified" License
10	Android -platform - system - core/libmncrypt		<a href="https://android.googlesource.com/platform/system/core/+master/libmncrypt">https://android.googlesource.com/platform/system/core/+master/libmncrypt</a>	BSD 3-clause "New" or "Revised" License

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11	lucy search engine – lucy	0.6.0	<a href="http://sourceforge.net/projects/lucy-search/">http://sourceforge.net/projects/lucy-search/</a>	BSD 3-clause "New" or "Revised" License
12	NetBSD	1.4	<a href="http://www.netbsd.org/">http://www.netbsd.org/</a>	BSD 3-clause "New" or "Revised" License
13	Open BSD	4.5	<a href="http://www.openbsd.org">http://www.openbsd.org</a>	BSD 3-clause "New" or "Revised" License
15	Test-SQLite-blob	trunk-20120916-svn	<a href="http://code.google.com/p/test-sqlite-blob/">http://code.google.com/p/test-sqlite-blob/</a>	MIT License
16	7-Zip	3.11	<a href="http://sourceforge.net/projects/sevenzip/">http://sourceforge.net/projects/sevenzip/</a>	Public Domain
17	XZ Utils	5.0.7	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>	Public Domain
18	PCRE	5.0		Public Domain
19	RSA MD5		<a href="http://userpages.umbc.edu/~mabzug1/cs/md5/md5.html">http://userpages.umbc.edu/~mabzug1/cs/md5/md5.html</a>	Public Domain
20	Kazlib		<a href="http://savannah.nongnu.org/projects/kazlib">http://savannah.nongnu.org/projects/kazlib</a>	Public Domain
21	Doug Lea heap	2.8.3		Public Domain
22	zlib	1.2.6		Public Domain
23	CURL	7.16.0	<a href="http://curl.haxx.se/libcurl">http://curl.haxx.se/libcurl</a>	Public Domain
24	EXPAT	1.95.8		Public Domain

### 3.13. Supplier: Obigo

For license Terms and Conditions: Refer Section 5

Supplier: OBIGO				
Sl.No	Name of OSS Component	Version	License	Copyright
1	vuejs	2.4	MIT License	Copyright (c): 2013-present, Yuxi (Evan) You
2	vux	0.1.3	MIT License	Copyright (c): 2016-present, Airyland

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3	es6-promise		3.3	MIT License	Copyright (c): Yehuda Katz, Tom Dale, Stefan Penner and contributors
4	Quasar framework		0.5	MIT License	Copyright (c): 2015-present Razvan Stoenescu
5	tween.js		16.6	MIT License	Copyright (c): 2010-2012 Tween.js authors.
6	iScroll		5	MIT License	Copyright (c): 2014 Matteo Spinelli, cubiq.org
7	array-filter	1.0.0		MIT License	Copyright (c): 2013 Julian Gruber <julian@juliangruber.com>
8	array-find	1.0.0		MIT License	Copyright (c): Stefan Duberg <stefanduberg@gmail.com>
9	array-from	1.0.0		MIT License	Copyright (c): Studio B12 GmbH
10	array-map	0.0.0		MIT License	Copyright (c): James Halliday <mail@substack.net>
11	array-shuffle	1.0.0		MIT License	Copyright (c): Sindre Sorhus <sindresorhus@gmail.com>
12	countup	1.6.1		MIT License	Copyright (c): Jamie Perkins
13	object-assign	4.1.0		MIT License	Copyright (c): Sindre Sorhus <sindresorhus@gmail.com>
14	photoswipe		4.1	MIT License	Copyright (c): Dmitry Semenov
15	shake.js	1.2.2		MIT License	Copyright (c): Fractal <contact@wearefractal.com>

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16	validator	5.1.0	MIT License	Copyright (c):2018 Chris O'Hara <cohara87@gmail.com>
17	webp-support	1.0.3	MIT License	Copyright (c): 2016-present, Airyland
18	HTML Parser		Mozilla Public License , Apache Software License 2.0	Copyright (c): 2004 Erik Arvidsson
19	archiver	2.1.0	MIT License	Copyright (c): 2012-2014 Chris Talkington
20	async	2.6.3	MIT License	Copyright (c): 2010-2018 Caolan McMahon
21	bluebird	3.5.5	MIT License	Copyright (c): 2013-2018 Petka Antonov
22	extract-zip	1.7.0	BSD-2- Clause License	Copyright (c): 2014 Max Ogden
23	fs-extra	2.1.2	MIT License	Copyright (c): 2011-2017 JP Richardson
24	iconv-lite	0.4.24	MIT License	Copyright (c): 2011 Alexander Shtuchkin
25	is-online	7.0.0	MIT License	Copyright (c): Sindre Sorhus <sindresorhus@gmail.com>
26	json-rpc2	1.0.2	MIT License	Copyright (c): 2009 Eric Florenzano, Ryan Tomayko
27	lodash	4.17.15	MIT License	Copyright (c): JS Foundation
28	progress-stream	2.0.0	BSD-2- Clause License	Copyright (c): Tobias Baunbæk <freeall@gmail.com>
29	scp2	0.5.0	MIT License	Copyright (c): 2013 Hsiaoming Yang
30	ssh2	0.5.5	MIT License	Copyright (c): Brian White




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31	sshpk	1.61.1	MIT License	Copyright (c): Joyent, Inc
32	targz	1.0.1	MIT License	Copyright (c): Miska Kaipainen <miska.kaipainen@gmail.com>
33	vboxmanage.js	1.0.6	MIT License	Copyright (c): 2016 Daniel Cohen Gindi
34	xml2js	0.4.23	MIT License	Copyright (c): 2010, 2011, 2012, 2013. All rights reserved.
35	requirejs	2.1.1	MIT License	Copyright (c): jQuery Foundation
36	semver	2.1.0	ISC License	Copyright (c): Isaac Z. Schlueter
37	SlowAES	0.1a1	Apache License	Copyright (c): Josh Davis
38	which	1.0.5	ISC License	Copyright (c): Isaac Z. Schlueter
39	eventemitter2	1.0.0	MIT License	Copyright (c): 2016 Paolo Fragomeni
40	moment.js	2.24.0	MIT License	Copyright (c): 2016 Paolo Fragomeni
41	bootstrap	2.3.1	MIT License	Copyright (c): 2011-2018 Twitter, Inc. Copyright (c): 2011-2018 The Bootstrap Authors
42	flexbuffers	1.7.1	Apache 2.0	<a href="https://obigo.com/">https://obigo.com/</a>
43	etch	1.4.0	Apache license, v2	Copyright (C) 2012 BMW Car IT GmbH
44	CppSQLite - C++ Wrapper for SQLite	3.2	CPOL 1.02	Copyright (c): 2004..2007 Rob Groves. All Rights Reserved. rob.groves@btinternet.com
45	afl-fuzz	2.31b	Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
46	android craxy linker		BSD 3 License	Copyright (c): 2014 The Chromium Authors

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47	platform_system_core		Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
48	angle	master_2014-10-03	BSD 3 License	Copyright (c): 2002-2013 The ANGLE Project Authors.
49	Blink		LGPL 2.1	Copyright (c): 2014 The Chromium Authors.
50	boringsl	master	BSD 3 License	<a href="https://obigo.com/">https://obigo.com/</a>
51	breakpad	origin/chrome_53	BSD 3, Apple PSL 2.0 and Apache 2.0 License	Copyright (c): 2006, Google Inc
52	brotli	v0.4.0	MIT License	Copyright (c): 2009, 2010, 2013-2015 by the Brotli Authors.
53	catapult	0.1.0-alpha-1	BSD 3 License	Copyright (c): 2015 The Chromium Authors
54	cacheinvalidation	master_2014-09-04	Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
55	cld2	master_2017-12-14	Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
56	fontconfig	2.11.0	MIT License	Copyright (c): 2012 Google, Inc.
57	compact_encoding_detection		Apache 2.0 License	Copyright (c): 2016 Google Inc.
58	cld3	2f6624f0a6d6fd8f76bdcae38558c73d23ebec1e	Apache 2.0 License	Copyright (c): 2016 Google Inc.
59	coveragepy-coverage	4.0.3	Apache 2.0 License	Copyright (c): 2004-2015 Ned Batchelder.
60	crashpad-electron	v1.6.12	Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
61	dmg_fp	master_2014-05-19	MIT License	Copyright (c): 1991, 2000, 2001 by Lucent Technologies.
62	external-chromium_org-	kk-4.4.2_r1.m1	Apache 2.0 License	Copyright (c): 2008 The open-vcdiff Authors.

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	sdch-open-vcdiff-mips			
63	flac	1.3.1	BSD 3 License	Copyright (c): 2011-2014 Xiph.Org Foundation
64	flatbuffers	v1.2.0	Apache 2.0 License	Copyright (c): 2014 Google Inc
65	freetype2	VER-2-8-1	Custom License (Freetype Project License)	<a href="https://obigo.com/">https://obigo.com/</a>
66	glslang	GoogleGlslang20160218	MIT License	Copyright (c): 2015-2016 The Khronos Group Inc.
67	googlemock	release-1.7.0	BSD 3 License	Copyright (c): 2008, Google Inc.
68	googletest	release-1.7.0	BSD 3 License	Copyright (c): 2008, Google Inc.
69	grpc	1.4.7	BSD 3 License	Copyright (c): 2015, Google Inc.
70	harfbuzz	1.3.1	MIT License	Copyright (c): 2010,2011,2012 Google, Inc
71	iccjpeg	32.0.1700.102	Custom License	Copyright (c): 1991-1998, Thomas G. Lane.
72	icu	56.1	ICU license	Copyright (c): 1995-2015 International Business Machines Corporation and others
73	jsoncpp-svn	0.6.0-rc2	MIT License	Copyright (c): 2007-2010 Baptiste Lepilleur
74	khronos_headers		MIT License, SGI Free Software License B	Copyright (c): 2007-2010 The Khronos Group Inc.

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75	leveldb		1.2	BSD 3 License	Copyright (c): 2011 The LevelDB Authors. All rights reserved.
76	libaddressinput	master_2014-10-07		Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
77	libevent	1.4.15-stable		BSD 3 License	Copyright (c): 2007-2010 Niels Provos and Nick Mathewson
78	dist-llvm	master_2010-04-15		University of Illinois/NCS A Open Source License	Copyright (c): 2003-2015 University of Illinois at Urbana-Champaign
79	libjpeg-turbo	1.4.90		Custom License (IJG license), BSD 3 License, Zlib License	<a href="https://obigo.com/">https://obigo.com/</a>
80	libphonenumber	8.9.8		Apache 2.0 License	Copyright (c): 2014 The Chromium Authors. All rights reserved.
81	libpng	1.6.22beta03		lib png License	Copyright (c): 2000-2002, 2004, 2006-2016 Glenn Randers-Pehrson
82	libsrtp	1.5.2		BSD 3 License	Copyright (c) 2001-2006 Cisco Systems, Inc.
83	libvpx	1.6.0		BSD 3 License	Copyright (c) 2010, The WebM Project authors. All rights reserved.
84	libwebm	1.0.0.27		BSD 3 License	Copyright (c) 2010, Google Inc. All rights reserved
85	libwebp	0.5.1		BSD 3 License	Copyright (c) 2010, Google Inc.
86	libxml2	2.9.5		MIT License	Copyright (c) 1998-2012 Daniel Veillard.

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87	libXNVCtrl	master_2018-03-01	MIT License	Copyright (c) 2008 NVIDIA
88	libxslt	1.1.29-rc2	MIT License	Copyright (c) 1998- 2012 Daniel Veillard
89	libyuv	1.0.0	BSD 3 License	Copyright (c) 2011 The LibYuv Project Authors.
90	linux_syscall_s upport		BSD 3 License	Copyright (c) 2005- 2011, Google Inc.
91	minigbm		BSD 3 License	Copyright (c) 2014 The Chromium OS Authors.
92	modp_b64	master_2014-10-08	BSD 3 License	Copyright (c) 2005, 2006 Nick Galbreath
93	mojo	master_2014-10-08	BSD 3 License	Copyright (c) 2014 The Chromium Authors.
94	mt19937ar	32.0.1700.102	BSD 3 License	Copyright (c) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura
95	native_client	master_2014-10-16	BSD 3 License	Copyright (c) 2008, Google Inc.
96	openh264	1.4.0	BSD 2 License	Copyright (c) 2013, Cisco Systems
97	opus	1.1.3	BSD 3 License	Copyright (c) 2001- 2011 Xiph.Org, Skype Limited, Octasic, Jean-Marc Valin, Timothy B. Terriberry, CSIRO, Gregory Maxwell, Mark Borgerding, Erik de Castro Lopo
98	ots	5.0.0	BSD 3 License	Copyright (c) 2009 The Chromium Authors.
99	ozone-wayland	45.0.2454.37	BSD 3 License	Copyright (c) 2013 Intel Corporation.
100	pdfium/chromium	3440	BSD 3 License	Copyright (c) 2014 PDFium Authors.

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101	protobuf	3.0.0-beta-3	BSD 3 License	Copyright (c) 2008 Google Inc.
102	qcms		MIT License	Copyright (c) 2009 Mozilla Corporation, Copyright (c) 1998-2007 Marti Maria
103	re2	42401	BSD 3 License	Copyright (c) 2009 The RE2 Authors.
104	SevenZip LZMA	15.14	Public Domain	<a href="https://obigo.com/">https://obigo.com/</a>
105	shaderc	2018	Apache 2.0 License	<a href="https://obigo.com/">https://obigo.com/</a>
106	skia	1.60.0	BSD 3 License	Copyright (c) 2011 Google Inc.
107	smhasher-trunk	41751	MIT License	Copyright (c) 2011 Google, Inc.
108	snappy	1.1.0	BSD 3 License	Copyright (c) 2011 Google Inc
109	uriparser-uriparser	0.8.0	BSD 3 License	Copyright (c) 2007, Weijia Song <songweijia@gmail.com>, 2007, Sebastian Pipping <sebastian@pipping.org>
110	SPIRV-Tools-spirv	1.1-rev1	MIT License	Copyright (c) 2015-2016 The Khronos Group Inc.
111	sqliteersion	3.8.4	Public Domain	<a href="https://obigo.com/">https://obigo.com/</a>
112	tcmalloc	master_2012-05-20	BSD 3 License	Copyright (c) 2005, Google Inc.
113	url_parse		BSD 3 license, MPL 1.1 License	Copyright (c) 2007, Google Inc.
114	usrctp	0.9.3.0	BSD 2 License	Copyright (c) 2001, 2002 Cisco Systems, Inc, 2002-12 Randall R. Stewart, 2002-12 Michael Tuexen

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115	v8	5.6.309.1	BSD 3 License	Copyright (c) 2006-2011, the V8 project authors.
116	VulkanTools-sdk	1.0.8.0	MIT License	Copyright (c) 2015 Valve Corporation
117	wayland-protocols		MIT License	Copyright (c) 2008-2013 Kristian Høgsberg, Copyright (c) 2010-2013 Intel Corporation, Copyright (c) 2013 Rafael Antognolli, Copyright (c) 2013 Jasper St. Pierre, Copyright (c) 2014 Jonas Ådahl, Copyright (c) 2014 Jason Ekstrand, Copyright (c) 2014-2015 Collabora, Ltd., Copyright (c) 2015 Red Hat Inc.
118	WebGL	master_2015-01-08	MIT License	<a href="https://obigo.com/">https://obigo.com/</a>
119	webrtc-builds	9686	BSD 3 License	Copyright (c) 2011, The WebRTC project authors
120	woff2	a15a8ab86b934cf436f8fac4a8a11ddf8b59d792	MIT License	<a href="https://obigo.com/">https://obigo.com/</a>
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3. Are derivative works allowed?

Yes!

4. Can I change or add to the font(s)?

Yes, but you must change the name(s) of the font(s).

5. Under what terms are derivative works allowed?

You must change the name(s) of the fonts. This is to ensure the quality of the fonts, both to protect Bitstream and Gnome. We want to ensure that if an application has opened a font specifically of these names, it gets what it expects (though of course, using fontconfig, substitutions could still could have occurred during font opening). You must include the Bitstream copyright. Additional copyrights can be added, as per copyright law. Happy Font Hacking!

6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

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Yes. The contract between the Gnome Foundation and Bitstream has provisions for working with Bitstream to ensure quality additions to the Bitstream Vera font family. Please contact us if you have such additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

This depends on exact details of the software. Most open source systems and software (e.g., Gnome, KDE, etc.) are now converting to use fontconfig (see [www.fontconfig.org](http://www.fontconfig.org)) to handle font configuration, selection and substitution; it has provisions for overriding font names and substituting alternatives. An example is provided by the supplied local.conf file, which chooses the family Bitstream Vera for "sans", "serif" and "monospace". Other software (e.g., the XFree86 core server) has other mechanisms for font substitution.

#### 4.45. BMFont License

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V3.0	03/08/2004	-Initial Version for sqlite3
V3.1	16/09/2004	-Implemented getXXXXField using sqlite3 functions -Added CppSQLiteDB3::tableExists()
V3.2	01/07/2005 12/07/2007	-Fixed execScalar to handle a NULL result -Added CppSQLiteDB::IsAutoCommitOn() -Added int64 functions to CppSQLite3Query -Added Name based parameter binding to CppSQLite3Statement.
V3.3	02/14/2019	-Added CppSQLite3Statement(__sqlite3* pDB, __sqlite3_stmt* pVM); CppSQLite3Statement::bind(int nParam, const sqlite_int64 nValue); CppSQLite3Statement::bind(int nParam, const uint64_t nValue); CppSQLite3Statement::Step() CppSQLite3Statement::DoTransaction(const char *str) CppSQLite3Statement::BeginTransaction() CppSQLite3Statement::CommitTransaction() CppSQLite3Statement::RollbackTransaction() CppSQLite3DB::getDB() CppSQLite3DB::RestoreOrBackupDb() by OBIGO

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#  
# This list is part of a project hosted at:  
# [github.com/kanyawtech/myanmar-karen-word-lists](https://github.com/kanyawtech/myanmar-karen-word-lists)

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##### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python

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releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Modified files

07/11/2019 Patched "(URL : <https://github.com/bdarnell/tornado/tree/cython>)" by OBIGO

- gen.py           Fix coroutines in cython-compiled code
- gen\_test.py     Add a compiler directive to get gen\_test (mostly) working when cythonized
- options.py       Work around cython incompatibilities in options.py
- options\_test.py  Work around cython incompatibilities in options.py
- util.py          Make ArgReplacer compatible with cython.

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- web\_test.py      Also cythonize as many of the tests as possible.

#### **4.106.zlib license**

zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.4, March 14th, 2010

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Fixed a potential null pointer dereference in png\_set\_text\_2() (bug report and patch by Patrick Keshishian).

Using custom versions of pnglibconf.h and pngprefix.h for Chrome.

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Glenn Randers-Pehrson  
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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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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.

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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you

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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.

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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.

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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.

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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

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with the 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.

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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

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are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

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"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.

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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.



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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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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

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root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so

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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.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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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.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.


For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major



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components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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:

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V3.0    03/08/2004    -Initial Version for sqlite3

V3.1    16/09/2004    -Implemented getXXXXField using sqlite3 functions

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-Added CppSQLiteDB3::tableExists()

V3.2 01/07/2005 -Fixed execScalar to handle a NULL result

12/07/2007 -Added int64 functions to CppSQLite3Query

-Throw exception from CppSQLite3DB::close() if error

-Trap above exception in CppSQLite3DB::~CppSQLite3DB()

-Fix to CppSQLite3DB::compile() as provided by Dave Rollins.

-sqlite3\_prepare replaced with sqlite3\_prepare\_v2

-Added Name based parameter binding to CppSQLite3Statement.

V3.3 02/14/2019 -Added CppSQLite3Statement(\_\_sqlite3\* pDB, \_\_sqlite3\_stmt\* pVM);

CppSQLite3Statement::bind(int nParam, const sqlite\_int64 nValue);

CppSQLite3Statement::bind(int nParam, const uint64\_t nValue);

CppSQLite3Statement::Step()

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CppSQLite3Statement::DoTransaction(const char \*str)

CppSQLite3Statement::BeginTransaction()

CppSQLite3Statement::CommitTransaction()

CppSQLite3Statement::RollbackTransaction()

CppSQLite3DB::getDB()

CppSQLite3DB::RestoreOrBackupDb() by OBIGO

05/07/2019 -Modified CppSQLite3DB::CommitTransaction(const char \*str = NULL) by OBIGO

05/10/2021 -throw exception from CppSQLite3DB::CommitTransaction(const char \*str = NULL) by OBIGO

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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07/11/2019 Patched "(URL : <https://github.com/bdarnell/tornado/tree/cython>)" by OBIGO

- gen.py           Fix coroutines in cython-compiled code
- gen\_test.py     Add a compiler directive to get gen\_test (mostly) working when cythonized
- options.py       Work around cython incompatibilities in options.py
- options\_test.py  Work around cython incompatibilities in options.py
- util.py          Make ArgReplacer compatible with cython.
- web\_test.py     Also cythonize as many of the tests as possible.

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#### DOCUMENTATION ROADMAP

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This file contains the following sections:

- OVERVIEW      General description of JPEG and the IJG software.
- LEGAL ISSUES      Copyright, lack of warranty, terms of distribution.
- REFERENCES      Where to learn more about JPEG.
- ARCHIVE LOCATIONS      Where to find newer versions of this software.
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TO DO          Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

usage.txt      Usage instructions for cjpeg, djpeg, jpegtran,  
rdjpgcom, and wrjpgcom.

\*.1            Unix-style man pages for programs (same info as usage.txt).

wizard.txt     Advanced usage instructions for JPEG wizards only.

change.log     Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt    How to use the JPEG library in your own programs.

example.c      Sample code for calling the JPEG library.

structure.txt   Overview of the JPEG library's internal structure.

coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW



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This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to

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perform conversion between JPEG and some other popular image file formats.  
The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.

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The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent (now expired), GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

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## REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is

Wallace, Gregory K. "The JPEG Still Picture Compression Standard",  
Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.

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(Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of Wallace's article is available at <http://www.iwg.org/files/Wallace.JPEG.pdf>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is

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titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>. A PostScript version of the JFIF document is available at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

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#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org).

The most recent released version can always be found there in directory "files".

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/).

If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

#### FILE FORMAT WARS

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The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does



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not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

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Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

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