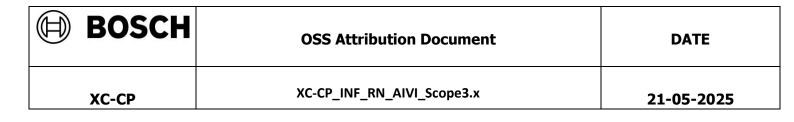


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2	ACL	2.2.52	GNU Lesser General Public License v2.1 only MultipleLicense:GNU General Public License v2.0 only	https://savannah.nongnu.org /projects/acl	Copyright (C) 1999- 2003 ,2011 Andreas Gruenbacher, <a.gruenbacher@bestbi ts.at&gt;.,Copyright (C) 2007 Andreas Gruenbacher <a.gruenbacher@comp uter.org&gt;.,Copyright (C) 2009 Andreas Gruenbacher <agruen@suse.de>.,Co pyright (C) 2001-2002</agruen@suse.de></a.gruenbacher@comp </a.gruenbacher@bestbi 



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5	alsa-lib	1.1.8	GNU Lesser General Public License v2.1 only	http://ftp.debian.org/debian/p ool/main/a/alsa-lib/alsa- lib_1.1.8.orig.tar.bz2	Copyright (C) 1991, 1999 Free Software Foundation, Inc.
6	alsa-plugins	1.1.8	GNU Lesser General Public License v2.1 or later	http://alsa-project.org	Copyright (c) 2003 Maarten de Boer <mdeboer@iua.upf.es>, Copyright (c) 2006 Pierre Ossman <ossman@cendio.se>, Copyright (c) 2008 Sjoerd Simons <sjoerd@luon.net>, copyright (c) 2014 Advanced Driver Information Technology</sjoerd@luon.net></ossman@cendio.se></mdeboer@iua.upf.es>
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Version 3.1, 31 March 2009

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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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.

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the



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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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

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

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

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

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

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

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

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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.

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Page 289 of 702	31.	libffi	3.2.1- 9co1+ap ertispro0 bv2021.0 b2	MIT Other licenses: GPL V2 or later with autoconf exception Public Domain 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	Dual license - GPL-2.0-ONLY or LGPL-2.1- ONLY libff/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 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 Miodrag Vallat. Copyright (c) 2012, 2013 Xilinx, Inc Copyright (c) 2012 Tilera Corp. Copyright (c) 2012 Thorsten Glaser Copyright (c) 2012 Alexandre K. I. 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 Rhys Ulerich Copyright (c) 2009 Quido U. Draheim Copyright (c) 2009 Guido U. Draheim Copyright (c) 2009 Bradley Smith Copyright (c) 2009 Bradley Smith Copyright (c) 2008 Steven G. Johnson Copyright (c) 2008 Björn König Copyright (c) 2008 Björn König Copyright (c) 2008 Axi Communications AB Copyright (c) 2004 Renesas Technology. Copyright (c) 2003 Jakub Jelinek Copyright (c) 2004 Renesas Technology. Copyright (c) 2003 Jakub Jelinek Copyright (c) 2003 Jakub Jelinek
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38.	libx11	2:1.6.71+deb10 u2+apert is1+aper tispro0b v2021.0b 2	MIT-Modern-Variant Other licenses: 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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45.	openldap	2.4.47+d fsg- 3+deb10 u6aperti s+1+aper tispro1b v2021.0b 1	OLDAP 2.8 <u>Other</u> <u>licenses:</u> MIT ISC GPL-2.0-ONLY BSD-3-Clause NTP Public Domain LGPL-2.1-ONLY	Copyright 1998-2016 The OpenLDAP Foundation Copyright 1999 Computing Research Labs, New Mexico State University Copyright (C) 1994, 1995-8, 1999, 2001 Free Software Foundation, Inc Copyright (C) The Internet Society (1999).
46.	openssl	1.1.1d+fr omdebia n- 0+deb10 u7+apert is1+aper tispro0b v2021.0b 3	OpenSSL Other licenses: Cryptogams Public Domain GPL-2.0- ONLY BSD-2-Clause Apache-2.0 LGPL-2.1-ONLY	Dual License - OpenSSL & BSD-3- Clause openssl/crypto/x509v3/v3_pcia.c openssl/crypto/x509v3/v3_pci.c Dual License - OpenSSL & Cryptogams openssl/crypto/aes/asm openssl/crypto/bn/asm openssl/crypto/chacha/asm/* openssl/crypto/ec/asm openssl/crypto/md5/asm/md5-sparcv9.pl openssl/crypto/modes/asm/* openssl/crypto/poly1305/asm/* openssl/crypto/rc4/asm/* openssl/crypto/sha/asm openssl/crypto/sha/asm openssl/crypto/sha/asm openssl/crypto/aes/asm/aest4-sparcv9.pl openssl/crypto/des openssl/crypto/des openssl/crypto/LPdir_unix.c Copyright 2018-2019 The OpenSSL Project Authors. All Rights Reserved. Copyright 2017 Ribose Inc. Copyright 2017 Ribose Inc. Copyright 2017 BaishanCloud. Copyright 2016 VMS Software, Inc. Copyright 2016 Cryptography Research, Inc. Copyright 2013 Mark Jason Dominus Copyright 2013 M. J. Dominus. Copyright 2012, Samuel Neves Copyright 2011 Google Inc. Copyright 2006 NTT (Nippon Telegraph and Telephone Corporation) . Copyright 2005 Nokia. All rights reserved. Copyright 2005 Nokia. All rights reserved. Copyright 2004-2014, Akamai Technologies.

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47.	pam	1.3.1- 5co3+ap ertispro0 bv2021.0 b1	BSD-3-Clause Other licenses: 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 2004 Scott James Remnant Copyright Alexander O. Yuriev, 1996. All rights reserved. Copyright 1999 by Theodore Ts'o. Copyright 1999 by Ben Collins Copyright 1999 by Ben Collins Copyright 1995 by Wietse Venema. 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) 2009 Thorsten Kukuk;

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48.	pcre3	2:8.3912co2+a pertispro 0bv2021.0b1	BSD-3-Clause <u>Other licenses:</u> GPL V2 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 Tilera Corporation(jiwang@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, Inc Copyright (c) 2011 Daniel Richard G. 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

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49.	sed-gplv2	4.1.2- 8co6+ap ertispro0 bv2021.0 b1	GPL-2.0-ONLY <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	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
50.	systemd	2417~deb10 u8+apert is2+aper tispro2b v2021.0b 2	LGPL-2.1-ONLY Other licenses: GPL-2.0-ONLY MIT Public Domain GPL-2.0 CC0-1.0 The Unlicense LGPL-2.0-ONLY GPL-2.0 WITH Linux-syscall- note	Dual License - GPL-2.0 WITH Linux-syscall- note & MIT systemd/src/shared/wireguard-netlink.h Dual License - BSD - 3 clause & GPL-2.0 systemd/hwdb/pci.ids © 2015 Canonical Ltd. Author: Martin Pitt Copyright © SUSE Linux Products GmbH, 2006 Copyright © 2018 Linux Products GmbH, 2006 Copyright © 2018 Neal Gompa Copyright © 2018 Neal Gompa Copyright © 2017 Max Resch Copyright © 2017 Intel Corporation. Copyright © 2017 Felipe Sateler Copyright © 2016 Zeal Jagannatha Copyright © 2016 Michael Karcher Copyright © 2016 Michael Karcher Copyright © 2016 Gabor Kelemen Copyright © 2016 Djalal Harouni Copyright © 2016 Djalal Harouni Copyright © 2016 Djala Harouni 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

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51.	sysvinit	2.93- 8co1+ap ertispro0 bv2021.0 b1	GPL-2.0-ONLY	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.
52.	tar-gplv2	1.17- 0co9+ap ertispro0 bv2021.0 b1	GPL-2.0-ONLY Other licenses: 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
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53.	util-linux	2.33.10.1co2+a pertispro 0bv2021.0b3	GPL-2.0-ONLY Other licenses: 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 bison exception GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception GPL V3 or later with autoconf exception GPL V3 or later with Libtool exception FSFUL	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 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+ap ertispro0 bv2021.0 b1	Public Domain Other licenses: GPL-2.0-ONLY LGPL-2.1-ONLY GPL V2 or later with libtool exception FSFUL GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception MIT X11	<ul> <li>© 2014, Google Inc.</li> <li>© 2008, Steven G. Johnson</li> <li>© 2003 Free Software Foundation,</li> <li>Inc. Authors: Bruno Haible</li> <li>© 1997-2007 by Dimitri van Heesch</li> <li>© 1993, Jean-loup Gailly</li> <li>2010, Marek Černocký 2010, Andre</li> <li>Noll 2011, Adrien Nader</li> <li>2009-2010, Lasse Collin</li> <li>2010, Daniel Mealha Cabrita</li> <li>2009, Andrew Dudman 2009, Lasse</li> <li>Collin</li> <li>2009, 2010, Gruppo traduzione italiano di</li> <li>Ubuntu-it 2010, Lorenzo De Liso 2009, 2010,</li> <li>2011, Milo Casagrande 2011, Jakub Bogusz</li> <li>Copyright (C) 2006 Timo Lindfors</li> <li>Copyright (C) 2005 Philipp Benner</li> <li>Copyright (C) 1998, 1999, 2001 Henry Spencer.</li> <li>Copyright (C) 1994 X Consortium</li> <li>Copyright (C) 1993 Jean-loup Gailly</li> </ul>
55.	yajl	2.1.0- 3co1+ap ertispro0 bv2021.0 b1	ISC	

## 3.2.Supplier : CGI

Name of OSS Componen t	Versio n	Licens e	Home Page	Copyrights
freetype	2.6.3	Freetyp e Project License	http://sourceforge.net/projects/freetype/	Copyright (C) 1996- 2018 David Turner Robert Wilhelm and Werner Lemberg Copyright (C) 2007- 2018 Rahul Bhalerao

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Google Test	1.6.0	BSD 3- Clause "New" or "Revise d" License	http://code.google.com/p/googletest/	Copyright (C) 2003,2005,2006,2007 ,2008,2009 Google Inc.All Rights Reserved
HarfBuzz	1.7.4	MIT License	http://harfbuzz.org/	Copyright © 2004,2007,2008,2009 ,2010 Red Hat, Inc., Copyright © 2011 Codethink Limited, Copyright © 2010,2011,2012 Google, Inc
libunibreak	2.1	zlib License	http://vimgadgets.sourceforge.net/libunibreak/	Copyright (c) 2008- 2011 Wu Yongwei Copyright (c) 2012 Tom Hacohen
lua	5.3.4	Lua 5.0 License	http://www.lua.org/	Copyright (C) 1994- 2017 Lua.org, PUC- Rio
Mediancut	Unspec ified	Creativ e Commo ns CC0 1.0 Univers al	http://en.literateprograms.org/Median_cut_algorithm_ (C_Plus_Plus)?oldid=19175	Copyright (C) Socionext Embedded Software Austria GmbH (SESA)
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NEUQUAN T Neural- Net quantizatio n algorithm	Unspec ified	NEUQU ANT Neural- Net quantiz ation algorith m license	http://members.ozemail.com.au/~dekker/NEUQUANT .HTML	Copyright (c) 1994 Anthony Dekker Copyright (C) Candera GmbH
RBTree.cp p	Unspec ified	Public Domain	https://github.com/anandarao/Red-Black- Tree/blob/master/RBTree.cpp	Copyright (C) Candera GmbH
BidiRefere ncecpp	26	Unicode Terms of Use (Unicod e-TOU)	http://www.unicode.org/Public/PROGRAMS/BidiRefer enceCpp/	Copyright © 1991- 2010 Unicode
ZLIB	1.2.8	zlib License	http://tracker.debian.org/pkg/zlib	1995-2013 Jean-loup Gailly and Mark Adler
litehtml	Unspec ified			

## 3.3.Supplier : Escrypt

	Supplier : Escrypt						
Name of OSS	Versi	License	Home	Copyrights			
Component	on		Page				
The ASN.1 Compiler	asn1c	BSD (Two Clause License)		Copyright © 2003-2016 Lev Walkin			
	-			<vlm@lionet.info> and contributors,</vlm@lionet.info>			
	0.9.2			Copyright © 2003, 2004 X/IO Labs,			
	6			xiolabs.com			
Base64_encode_decode	2/16/	Creativecommons		© 2015 stack exchange inc			
_Stack overflow	2015	Attribution ShareAlike 3.0					
libcurl	7.22	Curl License		Copyright (c) 1996 - 2016, Daniel			
				Stenberg, daniel@haxx.se.			
libdbus	1.4.1	Academic Free License		Copyright (C) 2003-2004 Lawrence			
	8	v2.1		E. Rosen			
				Copyright (C) 1989, 1991 Free			
				Software Foundation, Inc.			

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		sed"				

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bison	3.0.2,	GNU	http://savannah.gnu.org/projects/	http://savannah.gnu.org/projects/bison/
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Bob Jenkins -	Unsp	Publi	http://www.burtleburtle.net/bob/in	http://www.burtleburtle.net/bob/index.html
Hashing	ecifie	с	dex.html	
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		ain		
Boost C++	1.59.	Boos	http://boost.org/	http://boost.org/
Libraries -	0	t		
boost		Soft		
		ware		
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	1.01	1.0		
BusyBox	1.24.	GNU	http://www.busybox.net	http://www.busybox.net
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		Lice nse		
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		or later		
Bzip2	1.0.6	Bzip 2	http://www.bzip.org/	http://www.bzip.org/
		Lice nse		
CANUTIL	4.0.6	GNU	http://www.pengutronix.de/softwa	http://www.pengutronix.de/software/socket-
		Gen	re/socket-	can/download/canutils/v4.0/
		eral	can/download/canutils/v4.0/	
		Publi c		
		Lice		
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		v2.0		
		or later		
ConvertUTF.h	Unsp	Lice	http://unicode.org/	http://unicode.org/
	ecifie	nse		
	d	for		
		Unic ode		
crda	3.18	ISC	http://github.com/idor/crda/	http://github.com/idor/crda/
		Lice		
		nse		
Das U-Boot - Universal	Unsp ecifie	GNU Gen	http://www.denx.de/wiki/U- Boot/WebHome	http://www.denx.de/wiki/U-Boot/WebHome
Bootloader	d	eral	booy webhome	
		Publi		
		C		
		Lice nse		
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D. Due	1 1 0	later	http://www.funcal-states-such-114	http://www.freedeelater.com/wild/ustraded
D-Bus	1.10. 2	Acad emic	http://www.freedesktop.org/wiki/l ntroductionToDBus	http://www.freedesktop.org/wiki/Introduction ToDBus
		Free		
		Lice		
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		v2.1		

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dbus-glib	0.104	Acad emic Free Lice nse v2.1	http://www.freedesktop.org/wiki/ Software/dbus	http://www.freedesktop.org/wiki/Software/d bus
dotzlib	Unsp ecifie d	Boos t Soft ware Lice nse 1.0	https://github.com/madler/zlib/tre e/master/contrib/dotzlib	https://github.com/madler/zlib/tree/master/c ontrib/dotzlib
dt-utils	dt- utils_t est	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.pengutronix.de/	http://www.pengutronix.de/
eCryptfs - ecryptfs- userspace	108	GNU Gen eral Publi c Lice nse v2.0 or later	http://sourceforge.net/projects/ec ryptfs/	http://sourceforge.net/projects/ecryptfs/
eudev	Unsp ecifie d	GNU Gen eral Publi c Lice nse v2.0 or later	http://github.com/gentoo/eudev/	http://github.com/gentoo/eudev/

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Expat XML Parser - libexpat	Unsp ecifie d	MIT Lice nse	http://www.libexpat.org/	http://www.libexpat.org/
Filesystem in Userspace	2.9.4	GNU Gen eral Publi c Lice nse v2.0 or later	http://sourceforge.net/projects/fu se/	http://sourceforge.net/projects/fuse/
genshellopt	Unsp ecifie d	GNU Libra ry Gen eral Publi c Lice nse v2 or later	https://github.com/ShiftMediaProj ect/gnutls/tree/master/src/libopts	https://github.com/ShiftMediaProject/gnutls/ tree/master/src/libopts
gkernel - rng- tools	5	GNU Gen eral Publi c Lice nse v2.0 or later	http://sourceforge.net/projects/gk ernel/	http://sourceforge.net/projects/gkernel/
Glib	2.46. 0	GNU Libra ry Gen eral Publi c Lice nse	https://developer.gnome.org/glib/	https://developer.gnome.org/glib/

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		v2 or		
		later		
GMP - GNU	6.0.0	GNU	http://gmplib.org/	http://gmplib.org/
Multiple	a	Gen		
Precision		eral		
Arithmetic		Publi		
Library		с		
		Lice		
		nse		
		v2.0		
		or		
		later		
GNOME	1.0.1	GNU	http://www.gnome.org/projects/N	http://www.gnome.org/projects/NetworkMa
Network	0	Gen	etworkManager/	nager/
Manager		eral		
		Publi		
		С		
		Lice		
		nse		
		v2.0		
		or		
<u></u>		later		
GNU C Library	Unsp	GNU	http://www.gnu.org/software/libc/l	http://www.gnu.org/software/libc/libc.html
- glibc	ecifie	Less	ibc.html	
	d	er		
		Gen		
		eral Publi		
		C		
		Lice		
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		v2.1		
		or		
		later		
GNU Get Text	0.15	GNU	http://www.gnu.org/software/gett	http://www.gnu.org/software/gettext/
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		eral	· ·	
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ХС-СР	XC-CP_RN_AIVI_Scope 3.x	21-05-2025

GNU gettext	0.18. 2	GNU Libra ry Gen eral Publi c Lice nse v2 or later	http://savannah.gnu.org/projects/ gettext/	http://savannah.gnu.org/projects/gettext/
GnuTLS	3.3.1 3	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://savannah.gnu.org/projects/ gnutls/	http://savannah.gnu.org/projects/gnutls/
googlemock	1.7.0	BSD 3- claus e "New " or "Revi sed" Lice nse	http://code.google.com/p/google mock/	http://code.google.com/p/googlemock/
Gstreamer	0.10. 36	GNU Libra ry Gen eral Publi c Lice nse v2 or later	http://gstreamer.freedesktop.org/ modules/	http://gstreamer.freedesktop.org/modules/

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GSTREAMER PLUGINS- BASE	0.10. 36	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://gstreamer.freedesktop.org/ src/gst-plugins-base/	http://gstreamer.freedesktop.org/src/gst- plugins-base/
hostapd - IEEE 802.11 AP & IEEE 802.1X/WPA/ WPA2/EAP/RA DIUS Authenticator	2.5	BSD 3- claus e "New " or "Revi sed" Lice nse	http://hostap.epitest.fi/hostapd/	http://hostap.epitest.fi/hostapd/
htop	1.0.3	GNU Gen eral Publi c Lice nse v2.0 or later	http://github.com/hishamhm/htop /	http://github.com/hishamhm/htop/
IDEA_FUNCTI ON	Unsp ecifie d	MIT v2 with Ad Clau se Lice nse	https://github.com/ShiftMediaProj ect/libgcrypt/tree/master/cipher	https://github.com/ShiftMediaProject/libgcry pt/tree/master/cipher
imx_usb_loade r	Unsp ecifie d	GNU Less er Gen	http://github.com/boundarydevice s/imx_usb_loader/	http://github.com/boundarydevices/imx_usb _loader/

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Info-Zip	3.0	eral Publi c Lice nse v2.1 or later Info-	http://www.info-	http://www.info-zip.org/pub/infozip/Zip.html
	0.0	ZIP Upd ated Lice nse	zip.org/pub/infozip/Zip.html	
lperf	2.0.5	lperf Lice nse	http://sourceforge.net/projects/ip erf/	http://sourceforge.net/projects/iperf/
IPTables	1.4.2	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.netfilter.org/	http://www.netfilter.org/
ISC DHCP	4.1.2	ISC Lice nse	http://www.isc.org/software/dhcp/	http://www.isc.org/software/dhcp/
iw-ct	3.14	ISC Lice nse	http://github.com/greearb/iw-ct/	http://github.com/greearb/iw-ct/
jquery	Unsp ecifie d	MIT Lice nse	http://github.com/jquery/jquery/	http://github.com/jquery/jquery/
keyutils	1.5.9	GNU Gen eral Publi c Lice nse v2.0	http://people.redhat.com/~dhowe lls/keyutils/	http://people.redhat.com/~dhowells/keyutils /

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		or		
		later		
Kmod_Linux	22	GNU	https://github.com/lucasdemarchi	https://github.com/lucasdemarchi/kmod
		Gen	/kmod	
		eral		
		Publi		
		С		
		Lice		
		nse		
		v2.0		
		or		
1	440	later	http://www.energy.ene	
Less	443	Less Lice	http://www.greenwoodsoftware.c om/less/	http://www.greenwoodsoftware.com/less/
			omness	
Lib Cap	2.24	nse BSD	http://sites.google.com/site/fullyc	http://sites.google.com/site/fullycapable/
	2.24	3-	apable/	http://sites.google.com/site/fullycapable/
		claus	apable	
		e		
		"New		
		" or		
		"Revi		
		sed"		
		Lice		
		nse		
libboost	Unsp	Boos		
	ecifie	t		
	d	Soft		
		ware		
		Lice		
		nse		
		1.0		
libbtserviceapi	Unsp	Unsp		
	ecifie	ecifie		
	d	d		
libbtserviceapi	Unsp	Rob		
	ecifie d	ert Bosc		
	u	bosc h		
		Prop		
		rietar		
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libetrace	Unsp ecifie d	Rob ert Bosc h Prop rietar y		
libffi	3.2.1	Libffi Lice nse	http://sourceware.org/libffi/	http://sourceware.org/libffi/
libgcrypt	Unsp ecifie d	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.gnupg.org	http://www.gnupg.org
libgcrypt_GPL	1.7.6	GNU Gen eral Publi c Lice nse v2.0 or later	https://github.com/ShiftMediaProj ect/libgcrypt/tree/libgcrypt-1.7.6	https://github.com/ShiftMediaProject/libgcry pt/tree/libgcrypt-1.7.6
Libgpg-error Lib	1.20	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.gnupg.org/	http://www.gnupg.org/

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libgudev	230	GNU Libra ry Gen eral Publi c Lice nse v2 or later	https://wiki.gnome.org/Projects/li bgudev	https://wiki.gnome.org/Projects/libgudev
libmnl	Unsp ecifie d	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.netfilter.org/projects/li bmnl/	http://www.netfilter.org/projects/libmnl/
libmount	Unsp ecifie d	GNU Less er Gen eral Publi c Lice nse v2.1 or later	https://github.com/karelzak/util- linux/tree/master/libmount	https://github.com/karelzak/util- linux/tree/master/libmount
libndp	libnd p_tes t1	GNU Less er Gen eral Publi c Lice nse	http://libndp.org/	http://libndp.org/

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		v2.1		
		or		
		later		
libnftnl	Unsp	GNU	http://www.netfilter.org/projects/li	http://www.netfilter.org/projects/libnftnl/
	ecifie	Gen	bnftnl/	
	d	eral		
		Publi		
		С		
		Lice		
		nse		
		v2.0		
		or		
libnl - Netlink	3.2.2	later GNU	http://www.infradead.org/~tgr/libn	http://www.infradead.org/~tgr/libnl/
Library	3.2.2 5	Less	nttp://www.infradead.org/~tgr/libn  /	http://www.ininaueau.org/~tgi/iiphi/
LIDIALY	5	er	V	
		Gen		
		eral		
		Publi		
		с		
		Lice		
		nse		
		v2.1		
		or		
		later		
libnl - Netlink	1.1	GNU	http://www.infradead.org/~tgr/libn	http://www.infradead.org/~tgr/libnl/
Library		Less	I/	
		er Gen		
		eral		
		Publi		
		C		
		Lice		
		nse		
		v2.1		
		or		
		later		
liboil	0.3.1	BSD	http://liboil.freedesktop.org/wiki/	http://liboil.freedesktop.org/wiki/
	6	2-		
		claus		
		e "Cirro		
		"Sim		
		plifie d"		
<u> </u>		u		

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		Lice		
libsmartcols	Unsp ecifie d	nse GNU Less er Gen eral Publi c Lice nse v2.1 or later	https://github.com/karelzak/util- linux/tree/master/libsmartcols	https://github.com/karelzak/util- linux/tree/master/libsmartcols
libsocketcan	0.0.1	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.pengutronix.de/softwa re/libsocketcan/download/	http://www.pengutronix.de/software/libsock etcan/download/
Libtasn1	3.2	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.gnu.org/software/libta sn1/	http://www.gnu.org/software/libtasn1/
libtopas_test	Unsp ecifie d	Rob ert Bosc h Prop		

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		rietar		
		у		
libtopasapidtsi	Unsp ecifie d	Rob ert Bosc		
		h Prop rietar		
libusb	1.0.1	y GNU	http://sourceforge.net/projects/lib	http://sourceforge.net/projects/libusb/
libusb	8	Less er	usb/	http://sourceiorge.net/projects/hbusb/
		Gen eral Publi		
		c Lice		
		nse v2.1		
		or later		
libuuid	Unsp ecifie d	BSD 3- claus	https://github.com/karelzak/util- linux/tree/master/libuuid	https://github.com/karelzak/util- linux/tree/master/libuuid
		e "New		
		" or "Revi sed"		
		Lice nse		
libvehiclenetwo	Unsp	Rob		
rk	ecifie d	ert Bosc		
		h Prop rietar		
		y		
libxml2	2.9.4	MIT Lice	http://xmlsoft.org/	http://xmlsoft.org/
		nse		
libzip	1.0.1	BSD 3- claus	http://www.nih.at/libzip/	http://www.nih.at/libzip/

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		e "New " or		
		"Revi sed" Lice		
Logging Framework for C++	1.1.2	nse Apac he Lice nse	http://sourceforge.net/projects/lo g4cplus/	http://sourceforge.net/projects/log4cplus/
Logging Framework for C++	1.1.2	2.0 Apac he Lice nse 2.0	http://sourceforge.net/projects/lo g4cplus/	http://sourceforge.net/projects/log4cplus/
Logrotate Utility	3.9.1	GNU Gen eral Publi c Lice nse v2.0 or later	https://fedorahosted.org/logrotate /	https://fedorahosted.org/logrotate/
lrzsz	0.12. 20	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.ohse.de/uwe/software /lrzsz.html	http://www.ohse.de/uwe/software/lrzsz.html
ltmain.sh	Unsp ecifie d	GNU Gen eral Publi c Lice nse	http://www.gnu.org	http://www.gnu.org

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		v2.0		
		or		
		later		
luafilesystem	v_1_	MIT	http://github.com/keplerproject/lu	http://github.com/keplerproject/luafilesyste
	6_3	Lice	afilesystem/	m/
		nse		
Minicom	2.6.2	GNU	http://alioth.debian.org/projects/	http://alioth.debian.org/projects/minicom/
		Gen	minicom/	
		eral		
		Publi		
		С		
		Lice		
		nse		
		v2.0		
		or		
mtd-utils	1.5.2	later GNU	http://git.infradead.org/mtd-	http://git.infradead.org/mtd-utils.git
mta-utils	1.5.2	Gen	utils.git	nttp://git.infradead.org/mtd-utils.git
		eral	utils.git	
		Publi		
		C		
		Lice		
		nse		
		v2.0		
		or		
		later		
ncurses	5.9	X11	https://www.gnu.org/software/nc	https://www.gnu.org/software/ncurses/ncur
		Lice	urses/ncurses.html	ses.html
		nse		
Nettle	2.7.1	GNU	http://www.lysator.liu.se/~nisse/n	http://www.lysator.liu.se/~nisse/nettle/
		Less	ettle/	
		er		
		Gen		
		eral		
		Publi		
		c Lice		
		nse v2.1		
	1			
		or		
		or later		
NYS Library	Unsp	later	https://github.com/stevenvlai/rali	https://github.com/stevenylai/ralink_sdk/blo
NYS_Library	Unsp ecifie		https://github.com/stevenylai/rali nk_sdk/blob/master/source/user/	https://github.com/stevenylai/ralink_sdk/blo b/master/source/user/ebtables-v2.0.9-

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		Gen eral Publi c Lice nse v2 or later		
OpenSSH	7.1p2	BSD 2- claus e "Sim plifie d" Lice nse	http://www.openssh.com/portabl e.html	http://www.openssh.com/portable.html
OpenSSL	1.0.2 e	Ope nSS L Com bine d Lice nse	http://www.openssl.org/	http://www.openssl.org/
opkg	0.3.0	GNU Gen eral Publi c Lice nse v2.0 or later	https://git.yoctoproject.org/cgit/cg it.cgi/opkg/	https://git.yoctoproject.org/cgit/cgit.cgi/opkg /
PCRE	8.32	PCR E 5 Lice nse	http://sourceforge.net/projects/pc re/	http://sourceforge.net/projects/pcre/
PCSC Lite	Unsp ecifie d	BSD 3- claus e "New	http://pcsclite.alioth.debian.org/	http://pcsclite.alioth.debian.org/

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		" or		
		"Revi		
		sed"		
		Lice		
		nse		
Popt	1.15	X11	http://freshmeat.net/projects/popt	http://freshmeat.net/projects/popt/
τορι	1.15	Lice		http://ireshineat.neyprojects/popy
			1	
num Davila	Linen	nse	http://www.combo.com/www/index.h	http://www.com/ho.com/www.findov/html
ppp - Pauls	Unsp	GNU	http://ppp.samba.org/ppp/index.h	http://ppp.samba.org/ppp/index.html
-	ecifie	Gen	tml	
	d	eral		
		Publi		
		С		
		Lice		
		nse		
		v2.0		
		or		
		later		
ppp - Pauls	2.4.7	GNU	https://ppp.samba.org/index.html	https://ppp.samba.org/index.html
PPP Package		Gen		
		eral		
		Publi		
		с		
		Lice		
		nse		
		v2.0		
		or		
		later		
protobuf	2.5.0	BSD	http://code.google.com/p/protobu	http://code.google.com/p/protobuf/
protobul	2.0.0	3-	f/	http://couc.google.com/p/protobul/
		claus	17	
		e		
		e "New		
		" or		
		"Revi		
		sed"		
		sea Lice		
D	11.	nse		
ReadLine	Unsp	GNU	https://github.com/issuu/readline/	https://github.com/issuu/readline/tree/maste
Front-End	ecifie	Gen	tree/master/examples/rlfe	r/examples/rlfe
	d	eral		
		Publi		
		С		
	1	Lice	1	1

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		nse v2.0 or		
		later		
rsync	2.6.9	GNU	http://samba.anu.edu.au/rsync/	http://samba.anu.edu.au/rsync/
		Gen		
		eral		
		Publi		
		C		
		Lice		
		nse		
		v2.0		
		or		
с <b>т</b>	1.10	later		
S Trace	4.10	BSD 3-	http://sourceforge.net/projects/str	http://sourceforge.net/projects/strace/
		3- claus	ace/	
		e		
		"New		
		" or		
		"Revi		
		sed"		
		Lice		
		nse		
siphash	Unsp	Publi	http://github.com/dchest/siphash/	http://github.com/dchest/siphash/
•	ecifie	с		
	d	Dom		
		ain		
smhasher	3090	Publi	http://code.google.com/p/smhash	http://code.google.com/p/smhasher/
	200	с	er/	
		Dom		
		ain		
SQLite	3090	Publi	http://www.hwaci.com/sw/sqlite/i	http://www.hwaci.com/sw/sqlite/index.html
	200	С	ndex.html	
		Dom		
		ain		
squashfs-tools	4.3	GNU	http://github.com/plougher/squas	http://github.com/plougher/squashfs-tools/
		Gen	hfs-tools/	
		eral		
		Publi		
		C		
		Lice nse v2.0		

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		or		
		later		
systemd	228	GNU	http://freedesktop.org/wiki/Softwa	http://freedesktop.org/wiki/Software/system
-		Less	re/systemd/	d/
		er		
		Gen		
		eral		
		Publi		
		c		
		Lice		
		nse		
		v2.1		
		or		
		later		
Tiny	Unsp	Beer	http://sourceforge.net/projects/ad	http://sourceforge.net/projects/adns/
Asynchronous	ecifie	ware	ns/	http://sourceiorge.net/projects/auris/
DNS lookup	d	Lice	115/	
library	u			
TLSF	1.9	nse Publi	http://tlsf.baisoku.org	http://tlsf.baisoku.org
ILSF	1.9		nup://usi.baisoku.org	http://lisi.baisoku.org
		c Dom		
UBIFS	Linen	ain GNU	http://www.linux-	http://www.linux-
UBIE2	Unsp			
	ecifie d	Gen eral	mtd.infradead.org/doc/ubifs.html	mtd.infradead.org/doc/ubifs.html
	a	erai Publi		
		C		
		Lice		
		nse		
		v2.0		
		or		
uClibc - A C	0.9.3	later GNU	http://www.uclibc.org/	http://www.uclibc.org/
Library for	0.9.3		http://www.uclibc.org/	http://www.uclibc.org/
	0.3	Less		
Embedded		er		
Linux		Gen		
		eral		
		Publi		
		C		
		Lice		
		nse		
		v2.1		
		or		
	1	later		

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USB Utils	007	GNU Gen eral Publi c Lice nse v2.0 or later	https://www.kernel.org/pub/linux/ utils/usb/usbutils/	https://www.kernel.org/pub/linux/utils/usb/u sbutils/
USB-DFU	1.0	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.usb.org/home	http://www.usb.org/home
usbnet	Unsp ecifie d	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.linux-usb.org/usbnet/	http://www.linux-usb.org/usbnet/
Util-Linux	2.27. 1	GNU Gen eral Publi c Lice nse v2.0 or later	http://freshmeat.net/projects/util- linux/	http://freshmeat.net/projects/util-linux/

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util-unix-ng	Unsp ecifie d	GNU Gen eral Publi c Lice nse v2.0 or later	http://userweb.kernel.org/~kzak/u til-linux-ng/	http://userweb.kernel.org/~kzak/util-linux- ng/
Wide_Project	Unsp ecifie d	BSD 3- claus e "New " or "Revi sed" Lice nse	http://www.wide.ad.jp/index.html	http://www.wide.ad.jp/index.html
wireless-tools	30	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.hpl.hp.com/personal/J ean_Tourrilhes/Linux/Tools.html	http://www.hpl.hp.com/personal/Jean_Tourr ilhes/Linux/Tools.html
wpa_supplican t - IEEE 802.1X, WPA, WPA2, RSN, IEEE 802.11i	2.5	BSD 3- claus e "New " or "Revi sed" Lice nse	http://hostap.epitest.fi/wpa_suppl icant/	http://hostap.epitest.fi/wpa_supplicant/
XZ Utils	5.0.4	Publi c Dom ain	http://tukaani.org/xz/	http://tukaani.org/xz/

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yajl	Unsp ecifie	ISC Lice	http://github.com/lloyd/yajl/	http://github.com/lloyd/yajl/
	d	nse		
yajl	2.1.0	ISC	http://github.com/lloyd/yajl/	http://github.com/lloyd/yajl/
		Lice		
		nse		
zlib	1.2.8,	zlib	http://www.zlib.net	http://www.zlib.net
	1.1.3	Lice		
		nse		

# 3.5.Supplier: Nuance

Spplier: Nuance						
Component	Version	License	Home Page	Copyright		
PCRE	8.44	BSD 3-Clause "New" or "Revised" License	http://www.pcre.org			

## 3.6.Supplier : OMRON

	Supplier: OMRON					
Component	Component Versi License Homepage Copyright					
name	on					
SimString	1	The BSD	http://www.chokkan.org/softw	Copyright (c) 2009,2010 Naoaki Okazaki		
		license	are/simstring/	All rights reserved.		

# 3.7.Supplier : Redbend\_SWM

	Supplier: Redbend_SWM			
Component	Version	Licens	Home Page	Copyright
		е		
action	0.1.1	Apache License 2.0	http://repo1.maven. org/maven2/com/nin g/metrics.action/	http://repo1.maven. org/maven2/com/nin g/metrics.action/
Android - platform - dalvik	2.1_r1	Apache License 2.0	http://developer.and roid.com/index.html	http://developer.and roid.com/index.html

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Android - platform - frameworks -	4.0.1_r1	Apache License 2.0	http://developer.and roid.com/index.html	http://developer.and roid.com/index.html
base				
Android -	4.4_r1	Apache	http://developer.and	http://developer.and
platform -		License	roid.com/index.html	roid.com/index.html
prebuilts - sdk		2.0		
Android SDK	19	Apache	https://developer.an	https://developer.an
Support		License	droid.com/tools/sup port-	droid.com/tools/sup port-
Libraries		2.0	library/index.html	library/index.html
Android SDK	23.1.1	Apache	https://developer.an	https://developer.an
Support		License	droid.com/tools/sup port-	droid.com/tools/sup port-
Libraries		2.0	library/index.html	library/index.html
Drools ::	5.5.0.Fi	Apache	http://mirrors.ibiblio.	http://mirrors.ibiblio.
Scorecards	nal	License	org/maven2/org/drools/droolsscore	org/maven2/org/drools/droolsscore
		2.0	cards/	cards/
mongolduu	master-	Apache	http://github.com/tug	http://github.com/tug
	201211	License	stugi/mongolduu/	stugi/mongolduu/
	09	2.0		
Stan-for-	0.1.0	Apache	http://github.com/La bel305/Stan-	http://github.com/La bel305/Stan-
Android		License	forAndroid/	forAndroid/
		2.0		
doT	1.0.1	MIT	http://github.com/ola do/doT/	http://github.com/ola do/doT/
		License		
jquery	2.0.3	MIT	http://github.com/jqu ery/jquery/	http://github.com/jqu ery/jquery/
		License		
jquery_mobile	1.3.2	MIT	http://rubygems.org/gems/jquery_m	http://rubygems.org/gems/jquery_m
_rails		License	obile_rails	obile_rails
SafeSlinger-	1.8.3-	MIT	http://github.com/Sa	http://github.com/Sa
Android	messen	License	feSlingerProject/Saf eSlinger-	feSlingerProject/Saf eSlinger-
	ger		Android/	Android/
OpenSSL	Generic	OpenS	http://www.openssl.org/	http://www.openssl.org/
	Version	SL		
		Combin		
		ed		
		License		
CRC32	Generic	Public	http://web.mit.edu/	http://web.mit.edu/
MIT.edu	Version	Domain		
SHA-1 in C	9/1/200	Public	http://www.mirrors.w	http://www.mirrors.w
	1	Domain	iretapped.net/securit	iretapped.net/securit
			y/cryptography/hash es/sha1	y/cryptography/hash es/sha1
SyncML C	4.0.3	SyncM	http://sourceforge.n	http://sourceforge.n
Toolkit		L	et/projects/syncmlctoolkit/	et/projects/syncmlctoolkit/
		License		

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## 3.8.Supplier : Redbend

			Supplier: Redbend	
Component	Versi on	License	Home Page	Copyright
7 Zip - LZMA SDK	9.2	Public Domain	http://www.7-zip.org/sdk.html	http://www.7-zip.org/sdk.html
7 Zip - LZMA SDK	4.01	Public Domain.	http://sourceforge.net/projects/sev enzip/	http://sourceforge.net/projects/sevenzip /
Android - platform - bootable - recovery	4.2	Apache License 2.0	http://developer.android.com/inde x.html	http://developer.android.com/index.html
Android - platform - system - core	4.2	Apache License 2.0	http://developer.android.com/inde x.html	http://developer.android.com/index.html
bsdiff	4.3	BSDiff license	http://github.com/geraldonetto/bs diff/	http://github.com/geraldonetto/bsdiff/
CMarkup	11.05	Acquire d CMarku p Develop er License	http://www.firstobject.com/dn_mar kup.htm	http://www.firstobject.com/dn_markup.h tm
CRC table (Autogen)	Has no versio n numb er	Public Domain	http://en.wikipedia.org/wiki/Cyclic _redundancy _check	http://en.wikipedia.org/wiki/Cyclic_redu ndancy _check
Filesystem in Userspace	2.8.5	BSD 2- clause "Simplifi ed" License	http://sourceforge.net/projects/fus e/	http://sourceforge.net/projects/fuse/
Filesystem in Userspace	2.9.3	GNU Lesser General Public License	http://sourceforge.net/projects/fus e/	http://sourceforge.net/projects/fuse/

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		v2.1 or later		
FreeBSD	2.2.2	BSD 4- clause "Original " or "Old" License	http://www.freebsd.org	http://www.freebsd.org
Freescale Semiconducto r CodeWarrior Development Studio for MPC55xx/MP C56xx	2.10 speci al editio n	Commer cial license		
GNU C Library - glibc	2.2.4	GNU Lesser General Public License v2.1 or later	http://www.gnu.org/software/libc/li bc.html	http://www.gnu.org/software/libc/libc.ht ml
Lawicel CAN USB sample code	0.1.8	Lawicel CAN USB sample code license	http://www.can232.com/?page_id =75	http://www.can232.com/?page_id=75
libdivsufsort	2.0.0	MIT License	http://code.google.com/p/libdivsuf sort/	http://code.google.com/p/libdivsufsort/
lz4	94	BSD 2- clause "Simplifi ed" License	http://code.google.com/p/lz4/	http://code.google.com/p/lz4/
LZO real-time data compression library	2.04	Acquire d commer cial license	http://www.oberhumer.com/opens ource/lzo/	http://www.oberhumer.com/opensource /lzo/
MSDN Sample Code	vs.85	Microsof t Limited Public	http://msdn.microsoft.com/en- US/windows/	http://msdn.microsoft.com/en- US/windows/

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		License (Ms- LPL)		
NetBSD	6	BSD 3- clause "New" or "Revise d" License	http://www.netbsd.org/	http://www.netbsd.org/
UCL Data Compression Library	1.03	Acquire d commer cial license	http://www.oberhumer.com/opens ource/ucl/	http://www.oberhumer.com/opensource /ucl/
XMLFoundatio n	Apr- 14	MIT License	http://xmlfoundation.codeplex.co m/	http://xmlfoundation.codeplex.com/
zlib	1.2.3	zlib License	http://www.zlib.net	http://www.zlib.net

## **3.9.Supplier : Node Modules Components**

Name of OSS Component	Version of OSS Component	Name and Version of License	Home page
buffer-crc32	0.2.5	MIT	https://github.com/brianloveswords/buffer- crc32
dbus-native	0.2.0	MIT	https://github.com/sidorares/node-dbus
dbus-proxy	0.0.0- unreleasable	NA	NA
abstract-socket	1.0	MIT	https://github.com/saghul/node- abstractsocket
bindings	1.2.1	MIT	https://github.com/TooTallNate/node- bindings
nan	2.4.0	MIT	https://github.com/nodejs/nan#readme
1to2	1.0.0	MIT	NA
event-stream	3.3.4	MIT	http://github.com/dominictarr/event-stream
duplexer	0.1	MIT	https://github.com/Raynos/duplexer

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from	0.3	MIT	https://github.com/dominictarr/from
map-stream	0.0	NA	http://github.com/dominictarr/map-stream
pause-stream	0.0.11	MIT, Apache2	https://github.com/dominictarr/pause-stream
split	0.3.3	MIT	http://github.com/dominictarr/split
stream-combiner	0.0.4	MIT	https://github.com/dominictarr/stream- combiner
through	2.3.8	MIT	https://github.com/dominictarr/through
put	0.0.6	MIT/X11	https://github.com/substack/node-put
xml2js	0.14	NA	https://github.com/Leonidas-from-XIV/node- xml2js
sax	1.2.1	ISC	https://github.com/isaacs/sax-js#readme
iconv-lite	0.4.15	MIT	https://github.com/ashtuchkin/iconv-lite
jbinary	2.2	MIT	https://github.com/jDataView/jBinary
es6-promise	2.0.1	MIT	NA
es6-promise	2.0.1	MIT	https://github.com/jakearchibald/ES6- Promises
jdataview	2.5.0	WTFPL	http://jDataView.github.io/
request	2.53.0	Apache-2.0	https://github.com/request/request
aws-sign2	0.5.0	NA	https://github.com/mikeal/aws-sign
bl	0.9.4	MIT	https://github.com/rvagg/bl
readable-stream	1.0.33	MIT	https://github.com/isaacs/readable-stream
core-util-is	1.0.1	MIT	https://github.com/isaacs/core-util-is
inherits	2.0.1	ISC	https://github.com/isaacs/inherits
isarray	0.0.1	MIT	https://github.com/juliangruber/isarray
string_decoder	0.10.31	MIT	https://github.com/rvagg/string_decoder
caseless	0.9.0	BSD	https://github.com/mikeal/caseless
combined-stream	0.0.7	NA	https://github.com/felixge/node-combined- stream
delayed-stream	0.0.5	NA	https://github.com/felixge/node-delayed- stream
forever-agent	0.5.2	NA	https://github.com/mikeal/forever-agent
form-data	0.2.0	MIT	https://github.com/felixge/node-form-data
async	0.9.0	MIT	https://github.com/caolan/async
hawk	NA	./LICENSE	NA
hawk	2.3.1	BSD	https://github.com/hueniverse/hawk
boom	2.6.1	BSD	https://github.com/hapijs/boom

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cryptiles	2.0.4	BSD	https://github.com/hapijs/cryptiles
hoek	2.11.0	BSD	https://github.com/hapijs/hoek
sntp	1.0.9	BSD	https://github.com/hueniverse/sntp
http-signature	0.10.1	MIT	https://github.com/joyent/node-http- signature/
asn1	0.11	NA	NĂ
assert-plus	0.5	NA	https://github.com/mcavage/node-assert- plus
ctype	0.5.3	NA	https://github.com/rmustacc/node-ctype
isstream	0.1	MIT	https://github.com/rvagg/isstream
json-stringify-safe	5.0.0	BSD	https://github.com/isaacs/json-stringify-safe
mime-types	2.0.9	MIT	https://github.com/jshttp/mime-types
mime-db	1.7.0	MIT	https://github.com/jshttp/mime-db
node-uuid	1.4.2	MIT	https://github.com/broofa/node-uuid
oauth-sign	0.6.0	NA	https://github.com/mikeal/oauth-sign
qs	2.3.3	BSD	https://github.com/hapijs/qs
stringstream	0.0.4	MIT	https://github.com/mhart/StringStream
tough-cookie	0.12.1	MIT	https://github.com/goinstant/tough-cookie
punycode	1.3.2	MIT	https://mths.be/punycode
tunnel-agent	0.4.0	NA	https://github.com/mikeal/tunnel-agent
mkdirp	0.5.0	MIT	https://github.com/substack/node-mkdirp
minimist	0.0.8	MIT	https://github.com/substack/minimist
xml2js	0.4.5	MIT	https://github.com/Leonidas-from-XIV/node- xml2js
sax	0.6.1	BSD	https://github.com/isaacs/sax-js
xmlbuilder	2.5.1	MIT	http://github.com/oozcitak/xmlbuilder-js
lodash	3.0	MIT	https://lodash.com/

# 3.10.Supplier : Miscellaneous components:

SI. No	Component	Version	Home Page	License
1	Android SDK Support Libraries – 19	23.1.1	https://developer.android.com/tools/supp ort-library/index.html	Apache License 2.0
2	OpenSSL		http://www.openssl.org/	OpenSSL Combined License
3	CRC32		http://web.mit.edu/	Public Domain
				Page <b>335</b> of <b>702</b>

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4	SHA-1 in C		http://www.mirrors.wiretapped.net/securit y/cryptography/hashes/sha1	Public Domain
	Android - platform -		y/cryptography/nashes/shar	
5	bootable – recovery	4.0.1 r1	http://developer.android.com/index.html	Apache License 2.0
	Android - platform -			Anasha Lisanaa 2.0
6	bootable – recovery	5.0.0_r1	http://developer.android.com/index.html	Apache License 2.0
	Android - platform -			
7	bootable – recovery	2.3_r1	http://developer.android.com/index.html	Apache License 2.0
	File system in			BSD 2-clause
8	Userspace	2.8.7	http://sourceforge.net/projects/fuse/	"Simplified" License
0	Iz4 Compression			BSD 2-clause
9	algorithm Android -platform -	r111	http://code.google.com/p/lz4/	"Simplified" License
	system -		https://android.googlesource.com/platfor	BSD 3-clause "New" or
10	core/libmincrypt		m/system/core/+/master/libmincrypt	"Revised" License
10	lucy search engine –		http://sourceforge.net/projects/lucy-	BSD 3-clause "New" or
11	lucy	0.6.0	search/	"Revised" License
				BSD 3-clause "New" or
12	NetBSD	1.4	http://www.netbsd.org/	"Revised" License
				BSD 3-clause "New" or
13	Open BSD	4.5	http://www.openbsd.org	"Revised" License
		trunk-		
15		20120916-		
15	Test-SQLite-blob	svn	http://code.google.com/p/test-sqlite-blob/	MIT License
16	7-Zip	3.11	http://sourceforge.net/projects/sevenzip/	Public Domain
17	XZ Utils	5.0.7	http://tukaani.org/xz/	Public Domain
18	PCRE	5.0		Public Domain
			http://userpages.umbc.edu/~mabzug1/cs/	
19	RSA MD5		md5/md5.html	Public Domain
			http://savannah.nongnu.org/projects/kazli	
20	Kazlib		b	Public Domain
21	Doug Lea heap	2.8.3		Public Domain
22	zlib	1.2.6		Public Domain
23	CURL	7.16.0	http://curl.haxx.se/libcurl	Public Domain
24	EXPAT	1.95.8		Public Domain

## 3.11.Supplier: Obigo

For license Terms and Conditions: Refer Section 5

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Supplier: OBIGO						
SI.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	
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.co m&gt;</julian@juliangruber.co 	
8	array-find	1.0.0		MIT License	Copyright (c): Stefan Duberg <stefanduberg@gmail.c om&gt;</stefanduberg@gmail.c 	
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></mail@substack.net>	
11	array-shuffle	1.0.0		MIT License	Copyright (c): Sindre Sorhus <sindresorhus@gmail.c om&gt;</sindresorhus@gmail.c 	
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.c om&gt;</sindresorhus@gmail.c 	

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ХС-СР	XC-CP_RN_AIVI_Scope 3.x	21-05-2025

14	photoswipe		4.1	MIT License	Copyright (c): Dmitry Semenov
15	shake.js	1.2.2		MIT License	Copyright (c): Fractal <contact@wearefractal. com&gt;</contact@wearefractal. 
16	validator	5.1.0		MIT License	Copyright (c):2018 Chris O'Hara <cohara87@gmail.com></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.c om&gt;</sindresorhus@gmail.c 
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></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
31	sshpk	1.61.1		MIT License	Copyright (c): Joyent, Inc

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32	targz	1.0.1	MIT	License	Copyright (c): Miska Kaipiainen <miska.kaipiainen@gma il.com&gt;</miska.kaipiainen@gma 
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	Apa Lice	che ense	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	Ара	che 2.0	https://obigo.com/
43	etch	1.4.0	Apa licer	iche nse, v2	Copyright (C) 2012 BMW Car IT GmbH
44	CppSQLite -C++ Wrapper for SQLite			DL 1.02	Copyright (c): 20042007 Rob Groves All Rights Reserved. rob.groves@btinternet.c om
45	afl-fuzz	2.31b		che 2.0 ense	https://obigo.com/
46	android craxy linker		BSE		Copyright (c): 2014 The Chromium Authors
47	platform_system_ core		Apa Lice	che 2.0 ense	https://obigo.com/
48	angle	master_2014-10-03	BSE		Copyright (c): 2002- 2013 The ANGLE Project Authors.
49	Blink		LGF	PL 2.1	Copyright (c): 2014 The Chromium Authors.
50	boringssl	master	BSD	) 3 ense	https://obigo.com/

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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	https://obigo.com/
55	cld2	master_2017-12-14	Apache 2.0 License	https://obigo.com/
56	fontconfig	2.11.0	MIT License	Copyright (c): 2012 Google, Inc.
57	compact_encodin g_detection		Apache 2.0 License	Copyright (c): 2016 Google Inc.
58	cld3	2f6624f0a6d6fd8f76bdcae38558c73 d23ebec1e	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	https://obigo.com/
61	dmg_fp	master_2014-05-19	MIT License	Copyright (c): 1991, 2000, 2001 by Lucent Technologies.
62	external- chromium_org- sdch-open-vcdiff- mips	kk-4.4.2_r1.m1	Apache 2.0 License	Copyright (c): 2008 The open-vcdiff Authors.
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 (Free type Project License)	https://obigo.com/
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.

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68	googletest	release-1.7.0		BSD 3 License	Copyright (c): 2008, Google Inc.
69	grpc	1.4.7		BSD 3	Copyright (c): 2015,
03	gipe	1.4.7		License	Google Inc.
70	harfbuzz	1.3.1		MIT License	Copyright (c):
10	Hallbuzz	1.3.1		WIT LICENSE	2010,2011,2012
					Google, Inc
71	iccinog	32.0.1700.102		Custom	Copyright (c): 1991-
/ 1	iccjpeg	32.0.1700.102		License	1998, Thomas G. Lane.
72	iou		56.1	ICU license	Copyright (c): 1995-
12	icu		50.1	ICO license	2015 International
					Business Machines
70	•			N417 1 *	Corporation and others
73	jsoncpp-svn	0.6.0-rc2		MIT License	Copyright (c): 2007-
					2010 Baptiste Lepilleur
74	khronos_headers			MIT License,	Copyright (c): 2007-
				SGI Free	2010 The Khronos
				Software	Group Inc.
				License B	
75	leveldb		1.2	BSD 3	Copyright (c): 2011 The
				License	LevelDB Authors. All
					rights reserved.
76	libaddressinput	master_2014-10-07		Apache 2.0	https://obigo.com/
				License	
77	libevent	1.4.15-stable		BSD 3	Copyright (c): 2007-
				License	2010 Niels Provos and
					Nick Mathewson
78	dist-llvm	master_2010-04-15		University of	Copyright (c): 2003-
				Illinois/NCSA	2015 University of
				Open Source	Illinois at Urbana-
				License	Champaign
79	libjpeg-turbo	1.4.90		Custom	https://obigo.com/
				License (IJG	
				license), BSD	
				3 License,	
				Zlib License	
80	libphonenumber	8.9.8		Apache 2.0	Copyright (c): 2014 The
	-			License	Chromium Authors. All
					rights reserved.
81	libpng	1.6.22beta03		lib png	Copyright (c): 2000-
				License	2002, 2004, 2006-2016
					Glenn Randers-Pehrson
82	libsrtp	1.5.2		BSD 3	Copyright (c) 2001-2006
				License	Cisco Systems, Inc.
83	libvpx	1.6.0		BSD 3	Copyright (c) 2010, The
1	- III.			License	WebM Project authors.
					All rights reserved.
L	1	1		1	Dago <b>241</b> of <b>702</b>

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84	libwebm	1.0.0.27	BSD 3 License	Copyright (c) 2010, Google Inc. All rights reserved
85	libwebp	0.5.1	BSD 3	Copyright (c) 2010,
86	libxml2	2.9.5	License MIT License	Google Inc. Copyright (c) 1998-2012
87	libXNVCtrl	master_2018-03-01	MIT License	Daniel Veillard. 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_sup		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
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Copyright FAQ

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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?

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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) 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	<ul> <li>-Added CppSQLite3Statement(sqlite3* pDB,sqlite3_stmt* pVM);</li> <li>CppSQLite3Statement::bind(int nParam, const sqlite_int64 nValue);</li> <li>CppSQLite3Statement::bind(int nParam, const uint64_t nValue);</li> <li>CppSQLite3Statement::Step()</li> <li>CppSQLite3Statement::DoTransaction(const char *str)</li> <li>CppSQLite3Statement::BeginTransaction()</li> <li>CppSQLite3Statement::RollbackTransaction()</li> <li>CppSQLite3DB::getDB()</li> <li>CppSQLite3DB::RestoreOrBackupDb() by OBIGO</li> </ul>

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2.0	1.6	200	0	BeC	pen.c	om no	
1.6.1	1.6	200	)1	CN	RI	yes (2	2)
2.1	2.0+1.6.	.1 2	001	Ρ	SF	no	
2.0.1	2.0+1.6	5.1 2	2001	F	PSF	yes	
2.1.1	2.1+2.0	0.1 2	2001	F	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 complier directive to get gen\_test (mostly) working when cythonized
- options.py Work around cython incompatibilities in options.py
- options\_test.py Work around cython incompatiblities 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.

## 4.105.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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concluded that weaker conditions might promote sharing better.

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

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

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

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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.

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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.

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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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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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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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b) Give prominent notice with the combined library of the factthat part of it is a work based on the Library, and explainingwhere to find the accompanying uncombined form of the same work.

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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.

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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.

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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.

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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.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPLfrom compatible? (1)

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0.9.0 thru	1.2	1991-	1995 CW	/I yes
1.3 thru 1.	.5.2 1.2	1995	5-1999 C	NRI yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOper	n.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+1.0	6.1 2001	PSF	yes
2.1.1	2.1+2.0	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 al	bove 2.1	1.1 20	01-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 complier directive to get gen\_test (mostly) working when cythonized
- options.py Work around cython incompatiblities 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:

OVERVIEWGeneral description of JPEG and the IJG software.LEGAL ISSUESCopyright, lack of warranty, terms of distribution.REFERENCESWhere to learn more about JPEG.ARCHIVE LOCATIONSWhere to find newer versions of this software.FILE FORMAT WARSSoftware \*not\* to get.

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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.

coderules.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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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.

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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.ijg.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. 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/. If you don't have Web or FTP access, send e-mail to 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.

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