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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.

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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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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the 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 a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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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.

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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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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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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 terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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.

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

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

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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.

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

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is 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.)

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it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

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

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52.	tar-gplv2	1.17-0co9+apertispro0bv2021.0 b1	GPL-2.0-ONLY <u>Other licenses:</u> Public Domain GPL-1.0-ONLY X11 LGPL-2.1-ONLY GPL V2 or later with bison exception GPL-2.0-with-autoconf-exception GPL V2 or later with texinfo exception GPL V2 or later with autoconf exception	Copyright © 2004 Free Software Foundation, Inc. Copyright (C) 1994 X Consortium Copyright (C) 1983 Regents of the University of California. (C) Copyright 2013 Bdale Garbee
53.	util-linux	2.33.10.1co2+apertispro0bv2021.0b3	GPL-2.0-ONLY <u>Other licenses:</u> LGPL-2.1-ONLY BSD-3-Clause BSD-4-Clause-UC Public Domain MIT FSF LGPL-2.0-ONLY GPL-1.0-ONLY ISC X11 GPL v3 or later with Bison exception GPL V2 or later with libtool exception GPL V2 or later with autoconf exception GPL V3 or later with autoconf exception	Copyright © Michael Piefel 2002, 2004, 2005, 2007, 2008. Copyright © Karel Zak copyright is claimed. This code is in the Public Domain; do with it what you wish. Copyright © 2015 Free Software Foundation, Inc Copyright © 2014 Benjamin Weis Mario Blättermann;, 2014, 2015. Philipp Thomas 2014, 2015, 2017. Copyright © 2012-2015 Dan Nicholson Copyright © 2012 Arun Persaud; Copyright © 2011,2015,2016 Philipp Thomas Copyright © 2004 Scott James Remnant Copyright © 2004 Nilgün Belma Bugüner. Copyright © 2002-2018 Lauri Nurmi Copyright © 2001, 2002 Karl Eichwalder. Copyright © 2000–2001 Gunnar Ritter.

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

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3.2.Supplier : CGI

Name of OSS Component	Version	License	Home Page	Copyrights
freetype	2.6.3	Freetype Project License	http://sourceforge.net/projects/freetype/	Copyright (C) 1996-2018 David Turner Robert Wilhelm and Werner Lemberg Copyright (C) 2007-2018 Rahul Bhalerao Copyright (C) 2007-2018 Derek Clegg and Michael Toftdal Copyright (C) 2004-2018 Masatake YAMATO Redhat K K David Turner Robert Wilhelm and Werner Lemberg Copyright (C) 2000 Computing Research Labs New Mexico State University Copyright (C) 2001-2015 Francesco Zappa Nardelli Copyright (C) 1990-1998 The Open Group
Google Test	1.6.0	BSD 3-Clause "New" or "Revised" License	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 Hacothen
lua	5.3.4	Lua 5.0 License	http://www.lua.org/	Copyright (C) 1994-2017 Lua.org, PUC-Rio
Mediancut	Unspecified	Creative Commons CC0 1.0 Universal	http://en.literateprograms.org/Median_cut_algorithm_(C_Plus_Plus)?oldid=19175	Copyright (C) Socionext Embedded Software Austria GmbH (SESA)

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NEUQUANT Neural-Net quantization algorithm	Unspecified	NEUQUANT Neural-Net quantization algorithm license	http://members.ozemail.com.au/~dekker/NEUQUANT.HTML	Copyright (c) 1994 Anthony Dekker Copyright (C) Candra GmbH
RBTree.cpp	Unspecified	Public Domain	https://github.com/anandara0/Red-Black-Tree/blob/master/RBTree.cpp	Copyright (C) Candra GmbH
BidiReference.cpp	26	Unicode Terms of Use (Unicode -TOU)	http://www.unicode.org/Public/PROGRAMS/BidiReferenceC	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	Unspecified			

3.3.Supplier : Escript

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

3.4.Supplier : Nuance

Supplier: Nuance				
Component	Version	License	Home Page	Copyright

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PCRE	8.44	BSD 3-Clause "New" or "Revised" License	http://www.pcre.org	
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3.5.Supplier : Neusoft

Supplier:Neusoft				
Component	Version	License	Home Page	Copyright
Attr	2.4.47	GNU Lesser General Public License v2.1 or later	http://savannah.nongnu.org/projects/attr	http://savannah.nongnu.org/projects/attr
AutoOpts	Unspecified	BSD 3-clause "New" or "Revised" License	https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts	https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts
barebox	2016.05.0	GNU General Public License v2.0 or later	http://github.com/RobertCNelson/barebox/	http://github.com/RobertCNelson/barebox/

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Berkeley	Unspecified	BSD 3-clause "New" or "Revised" License	http://www.berkeley.edu/	http://www.berkeley.edu/
Berkeley_test	Unspecified	BSD 3-clause "New" or "Revised" License	http://www.berkeley.edu/	http://www.berkeley.edu/
bison	3.0.2, 2.5	GNU General Public License v3.0 or later with Bison exception 2.2	http://savannah.gnu.org/projects/bison/	http://savannah.gnu.org/projects/bison/
Bob Jenkins - Hashing	Unspecified	Public Domain	http://www.burtleburtle.net/bob/index.html	http://www.burtleburtle.net/bob/index.html
Boost C++ Libraries - boost	1.59.0	Boost Software	http://boost.org/	http://boost.org/

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		Lice nse 1.0		
BusyBox	1.24. 1,1.2 3.2	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.busybox.net	http://www.busybox.net
Bzip2	1.0.6	Bzip 2 Lice nse	http://www.bzip.org/	http://www.bzip.org/
CANUTIL	4.0.6	GNU Gen eral Publi c Lice nse v2.0 or later	http://www.pengutronix.de/software/socket-can/download/canutils/v4.0/	http://www.pengutronix.de/software/socket-can/download/canutils/v4.0/
ConvertUTF.h	Unsp ecifie d	Lice nse for Unic ode	http://unicode.org/	http://unicode.org/
crda	3.18	ISC Lice nse	http://github.com/idor/crda/	http://github.com/idor/crda/
Das U-Boot - Universal Bootloader	Unsp ecifie d	GNU Gen eral Publi c Lice nse v2.0	http://www.denx.de/wiki/U-Boot/WebHome	http://www.denx.de/wiki/U-Boot/WebHome

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		or later		
D-Bus	1.10.2	Academic Free License v2.1	http://www.freedesktop.org/wiki/IntroductionToDBus	http://www.freedesktop.org/wiki/IntroductionToDBus
dbus-glib	0.104	Academic Free License v2.1	http://www.freedesktop.org/wiki/Software/dbus	http://www.freedesktop.org/wiki/Software/dbus
dotzlib	Unspecified	Boost Software License 1.0	https://github.com/madler/zlib/tree/master/contrib/dotzlib	https://github.com/madler/zlib/tree/master/contrib/dotzlib
dt-utils	dt-utils_test	GNU General Public License v2.0 or later	http://www.pengutronix.de/	http://www.pengutronix.de/
eCryptfs - ecryptfs-userspace	108	GNU General Public License v2.0 or later	http://sourceforge.net/projects/ecryptfs/	http://sourceforge.net/projects/ecryptfs/
eudev	Unspecified	GNU General	http://github.com/gentoo/eudev/	http://github.com/gentoo/eudev/

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		Public License v2.0 or later		
Expat XML Parser - libexpat	Unspecified	MIT License	http://www.libexpat.org/	http://www.libexpat.org/
Filesystem in Userspace	2.9.4	GNU General Public License v2.0 or later	http://sourceforge.net/projects/fuse/	http://sourceforge.net/projects/fuse/
gensheloop	Unspecified	GNU Library General Public License v2 or later	https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts	https://github.com/ShiftMediaProject/gnutls/tree/master/src/libopts
gkernel - rng-tools	5	GNU General Public License v2.0 or later	http://sourceforge.net/projects/gkernel/	http://sourceforge.net/projects/gkernel/
Glib	2.46.0	GNU Library	https://developer.gnome.org/glib/	https://developer.gnome.org/glib/

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GMP - GNU Multiple Precision Arithmetic Library	6.0.0a	GNU General Public License v2.0 or later	http://gmplib.org/	http://gmplib.org/
GNOME Network Manager	1.0.10	GNU General Public License v2.0 or later	http://www.gnome.org/projects/NetworkManager/	http://www.gnome.org/projects/NetworkManager/
GNU C Library - glibc	Unspecified	GNU Lesser General Public License v2.1 or later	http://www.gnu.org/software/libc/libc.html	http://www.gnu.org/software/libc/libc.html
GNU Get Text	0.15	GNU General Public	http://www.gnu.org/software/gettext/	http://www.gnu.org/software/gettext/

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		c Lice nse v2.0 or later		
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	3.3.13	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/googlemock/	http://code.google.com/p/googlemock/
Gstreamer	0.10.36	GNU Libra ry Gen eral	http://gstreamer.freedesktop.org/modules/	http://gstreamer.freedesktop.org/modules/

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GSTREAMER PLUGINS-BASE	0.10.36	GNU Lesser General Public License 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/RADIUS Authenticator	2.5	BSD 3-clause "New" or "Revised" License	http://hostap.epitest.fi/hostapd/	http://hostap.epitest.fi/hostapd/
htop	1.0.3	GNU General Public License v2.0 or later	http://github.com/hishamhm/htop/	http://github.com/hishamhm/htop/
IDEA_FUNCTION	Unspecified	MIT v2 with Add Clause	https://github.com/ShiftMediaProject/libgcript/tree/master/cipher	https://github.com/ShiftMediaProject/libgcript/tree/master/cipher

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imx_usb_loader	Unspecified	GNU Lesser General Public License v2.1 or later	http://github.com/boundarydevices/imx_usb_loader/	http://github.com/boundarydevices/imx_usb_loader/
Info-Zip	3.0	Info-ZIP Updated License	http://www.info-zip.org/pub/infozip/Zip.html	http://www.info-zip.org/pub/infozip/Zip.html
Iperf	2.0.5	Iperf License	http://sourceforge.net/projects/iperf/	http://sourceforge.net/projects/iperf/
IPTables	1.4.21	GNU General Public License v2.0 or later	http://www.netfilter.org/	http://www.netfilter.org/
ISC DHCP	4.1.2	ISC License	http://www.isc.org/software/dhcp/	http://www.isc.org/software/dhcp/
iw-ct	3.14	ISC License	http://github.com/greearb/iw-ct/	http://github.com/greearb/iw-ct/
jquery	Unspecified	MIT License	http://github.com/jquery/jquery/	http://github.com/jquery/jquery/
keyutils	1.5.9	GNU Gen	http://people.redhat.com/~dhowells/keyutils/	http://people.redhat.com/~dhowells/keyutils/

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Kmod_Linux	22	GNU Gen eral Publi c Lice nse v2.0 or later	https://github.com/lucasdemarchi/kmod	https://github.com/lucasdemarchi/kmod
Less	443	Less Lice nse	http://www.greenwoodsoftware.com/less/	http://www.greenwoodsoftware.com/less/
Lib Cap	2.24	BSD 3- claus e "New " or "Revi sed" Lice nse	http://sites.google.com/site/fullycapable/	http://sites.google.com/site/fullycapable/
libboost	Unsp ecifie d	Boos t Soft ware Lice nse 1.0		
libbtserviceapi	Unsp ecifie d	Unsp ecifie d		
libbtserviceapi	Unsp ecifie d	Rob ert Bosc		

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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/ShiftMediaProject/libgcrypt/tree/libgcrypt-1.7.6	https://github.com/ShiftMediaProject/libgcrypt/tree/libgcrypt-1.7.6
Libgpg-error Lib	1.20	GNU Less er Gen eral Publi c Lice	http://www.gnupg.org/	http://www.gnupg.org/

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		nse v2.1 or later		
libgudev	230	GNU Libra ry Gen eral Publi c Lice nse v2 or later	https://wiki.gnome.org/Projects/libgudev	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/libmnl/	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	http://libndp.org/	http://libndp.org/

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libnftnl	Unspecified	GNU General Public License v2.0 or later	http://www.netfilter.org/projects/libnftnl/	http://www.netfilter.org/projects/libnftnl/
libnl - Netlink Library	3.2.25	GNU Lesser General Public License v2.1 or later	http://www.infradead.org/~tgr/libnl/	http://www.infradead.org/~tgr/libnl/
libnl - Netlink Library	1.1	GNU Lesser General Public License v2.1 or later	http://www.infradead.org/~tgr/libnl/	http://www.infradead.org/~tgr/libnl/
liboil	0.3.16	BSD 2-claus	http://liboil.freedesktop.org/wiki/	http://liboil.freedesktop.org/wiki/

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		e "Sim plifie d" Lice nse		
libsmartcols	Unsp ecifie d	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 0	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.pengutronix.de/software/libsocketcan/download/	http://www.pengutronix.de/software/libsocketcan/download/
Libtasn1	3.2	GNU Less er Gen eral Publi c Lice nse v2.1 or later	http://www.gnu.org/software/libtasn1/	http://www.gnu.org/software/libtasn1/

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libtopas_test	Unspecified	Robert Bosch Proprietary		
libtopasapidtsi	Unspecified	Robert Bosch Proprietary		
libusb	1.0.18	GNU Lesser General Public License v2.1 or later	http://sourceforge.net/projects/libusb/	http://sourceforge.net/projects/libusb/
libuuid	Unspecified	BSD 3-clause "New" or "Revised" License	https://github.com/karelzak/util-linux/tree/master/libuuid	https://github.com/karelzak/util-linux/tree/master/libuuid
libvehiclenetwork	Unspecified	Robert Bosch Proprietary		

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libxml2	2.9.4	MIT License	http://xmlsoft.org/	http://xmlsoft.org/
libzip	1.0.1	BSD 3-clause "New" or "Revised" License	http://www.nih.at/libzip/	http://www.nih.at/libzip/
Logging Framework for C++	1.1.2	Apache License 2.0	http://sourceforge.net/projects/log4cplus/	http://sourceforge.net/projects/log4cplus/
Logging Framework for C++	1.1.2	Apache License 2.0	http://sourceforge.net/projects/log4cplus/	http://sourceforge.net/projects/log4cplus/
Logrotate Utility	3.9.1	GNU General Public License v2.0 or later	https://fedorahosted.org/logrotate/	https://fedorahosted.org/logrotate/
lrzsz	0.12.20	GNU General Public License v2.0 or later	http://www.ohse.de/uwe/software/lrzsz.html	http://www.ohse.de/uwe/software/lrzsz.html

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ltmain.sh	Unspecified	GNU General Public License v2.0 or later	http://www.gnu.org	http://www.gnu.org
luafilesystem	v_1_6_3	MIT License	http://github.com/keplerproject/luafilesystem/	http://github.com/keplerproject/luafilesystem/
Minicom	2.6.2	GNU General Public License v2.0 or later	http://alioth.debian.org/projects/minicom/	http://alioth.debian.org/projects/minicom/
mtt-utils	1.5.2	GNU General Public License v2.0 or later	http://git.infradead.org/mtt-utils.git	http://git.infradead.org/mtt-utils.git
ncurses	5.9	X11 License	https://www.gnu.org/software/ncurses/ncurses.html	https://www.gnu.org/software/ncurses/ncurses.html
Nettle	2.7.1	GNU Lesser General Public License	http://www.lysator.liu.se/~nisse/nettle/	http://www.lysator.liu.se/~nisse/nettle/

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		nse v2.1 or later		
NYS_Library	Unsp ecifie d	GNU Libra ry Gen eral Publi c Lice nse v2 or later	https://github.com/stevenylai/ralink_sdk/blob/master/source/user/ebtables-v2.0.9-2/getethertype.c	https://github.com/stevenylai/ralink_sdk/blob/master/source/user/ebtables-v2.0.9-2/getethertype.c
OpenSSH	7.1p2	BSD 2- claus e "Sim plifie d" Lice nse	http://www.openssh.com/portable.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/cgit.cgi/opkg/	https://git.yoctoproject.org/cgit/cgit.cgi/opkg/
PCRE	8.32	PCR E 5	http://sourceforge.net/projects/pcr/	http://sourceforge.net/projects/pcr/

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		Lic nse		
PCSC Lite	Unsp ecifie d	BSD 3- claus e "New " or "Revi sed" Lice nse	http://pcsc-lite.alioth.debian.org/	http://pcsc-lite.alioth.debian.org/
Popt	1.15	X11 Lice nse	http://freshmeat.net/projects/popt/	http://freshmeat.net/projects/popt/
ppp - Pauls PPP Package	Unsp ecifie d	GNU Gen eral Publi c Lice nse v2.0 or later	http://ppp.samba.org/ppp/index.h tml	http://ppp.samba.org/ppp/index.html
ppp - Pauls PPP Package	2.4.7	GNU Gen eral Publi c Lice nse v2.0 or later	https://ppp.samba.org/index.html	https://ppp.samba.org/index.html
protobuf	2.5.0	BSD 3- claus e "New " or "Revi sed"	http://code.google.com/p/protobu f/	http://code.google.com/p/protobuf/

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		Lic ense		
ReadLine Front-End	Unsp ecifie d	GNU Gen eral Publi c Lic ense v2.0 or later	https://github.com/issuu/readline/ tree/master/examples/rfe	https://github.com/issuu/readline/tree/maste r/examples/rfe
rsync	2.6.9	GNU Gen eral Publi c Lic ense v2.0 or later	http://samba.anu.edu.au/rsync/	http://samba.anu.edu.au/rsync/
S Trace	4.10	BSD 3- claus e "New " or "Revi sed" Lic ense	http://sourceforge.net/projects/str ace/	http://sourceforge.net/projects/strace/
siphash	Unsp ecifie d	Publi c Dom ain	http://github.com/dchest/siphash/	http://github.com/dchest/siphash/
smhasher	3090 200	Publi c Dom ain	http://code.google.com/p/smhash er/	http://code.google.com/p/smhasher/
SQLite	3090 200	Publi c Dom ain	http://www.hwaci.com/sw/sqlite/i ndex.html	http://www.hwaci.com/sw/sqlite/index.html

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squashfs-tools	4.3	GNU General Public License v2.0 or later	http://github.com/plougher/squashfs-tools/	http://github.com/plougher/squashfs-tools/
systemd	228	GNU Lesser General Public License v2.1 or later	http://freedesktop.org/wiki/Software/systemd/	http://freedesktop.org/wiki/Software/systemd/
Tiny Asynchronous DNS lookup library	Unspecified	Beerware License	http://sourceforge.net/projects/adns/	http://sourceforge.net/projects/adns/
TLSF	1.9	Public Domain	http://tlsf.baisoku.org	http://tlsf.baisoku.org
UBIFS	Unspecified	GNU General Public License v2.0 or later	http://www.linux-mtd.infradead.org/doc/ubifs.html	http://www.linux-mtd.infradead.org/doc/ubifs.html
uClibc - A C Library for Embedded Linux	0.9.30.3	GNU Lesser General	http://www.uclibc.org/	http://www.uclibc.org/

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		eral Publi c Lice nse v2.1 or later		
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	http://freshmeat.net/projects/util- linux/	http://freshmeat.net/projects/util-linux/

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		c Lice nse v2.0 or later		
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/	<a href="http://userweb.kernel.org/~kzak/util-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	<a href="http://www.hpl.hp.com/personal/Jean_Tourr
ilhes/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"	<a href="http://hostap.epitest.fi/wpa_suppl
icant/">http://hostap.epitest.fi/wpa_suppl icant/	<a href="http://hostap.epitest.fi/wpa_suppl
icant/">http://hostap.epitest.fi/wpa_suppl icant/

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		License		
XZ Utils	5.0.4	Public Domain	http://tukaani.org/xz/	http://tukaani.org/xz/
yajl	Unspecified	ISC License	http://github.com/lloyd/yajl/	http://github.com/lloyd/yajl/
yajl	2.1.0	ISC License	http://github.com/lloyd/yajl/	http://github.com/lloyd/yajl/
zlib	1.2.8, 1.1.3	zlib License	http://www.zlib.net	http://www.zlib.net

3.6.Supplier : OMRON

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

3.7.Supplier : Redbend_SWM

Supplier: Redbend_SWM				
Component	Version	License	Home Page	Copyright
action	0.1.1	Apache License 2.0	http://repo1.maven.org/maven2/com/ninjabat/metrics/action/	http://repo1.maven.org/maven2/com/ninjabat/metrics/action/
Android - platform - dalvik	2.1_r1	Apache License 2.0	http://developer.android.com/index.html	http://developer.android.com/index.html
Android - platform - frameworks - base	4.0.1_r1	Apache License 2.0	http://developer.android.com/index.html	http://developer.android.com/index.html


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Android - platform - prebuilts - sdk	4.4_r1	Apache License 2.0	http://developer.android.com/index.html	http://developer.android.com/index.html
Android SDK Support Libraries	19	Apache License 2.0	https://developer.android.com/tools/supported-library/index.html	https://developer.android.com/tools/supported-library/index.html
Android SDK Support Libraries	23.1.1	Apache License 2.0	https://developer.android.com/tools/supported-library/index.html	https://developer.android.com/tools/supported-library/index.html
Drools :: Scorecards	5.5.0.Final	Apache License 2.0	http://mirrors.ibiblio.org/maven2/org/drools/droolsscorecards/	http://mirrors.ibiblio.org/maven2/org/drools/droolsscorecards/
mongolddu	master-20121109	Apache License 2.0	http://github.com/tugstugi/mongolddu/	http://github.com/tugstugi/mongolddu/
Stan-for-Android	0.1.0	Apache License 2.0	http://github.com/La bel305/Stan-forAndroid/	http://github.com/La bel305/Stan-forAndroid/
doT	1.0.1	MIT License	http://github.com/ola do/doT/	http://github.com/ola do/doT/
jquery	2.0.3	MIT License	http://github.com/jqu ery/jquery/	http://github.com/jqu ery/jquery/
jquery_mobile rails	1.3.2	MIT License	http://rubygems.org/gems/jquery_m obile_rails	http://rubygems.org/gems/jquery_m obile_rails
SafeSlinger-Android	1.8.3-messenger	MIT License	http://github.com/Sa feSlingerProject/Sa f eSlinger-Android/	http://github.com/Sa feSlingerProject/Sa f eSlinger-Android/
OpenSSL	Generic Version	OpenS SL Combined License	http://www.openssl.org/	http://www.openssl.org/
CRC32 MIT.edu	Generic Version	Public Domain	http://web.mit.edu/	http://web.mit.edu/
SHA-1 in C	9/1/2001	Public Domain	http://www.mirrors.w iretapped.net/security/cryptography/hash es/sha1	http://www.mirrors.w iretapped.net/security/cryptography/hash es/sha1
SyncML C Toolkit	4.0.3	SyncM L License	http://sourceforge.net/projects/syncmlctoolkit/	http://sourceforge.net/projects/syncmlctoolkit/


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3.8.Supplier : Redbend

Supplier: Redbend				
Component	Version	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/sevenzips/	http://sourceforge.net/projects/sevenzips/
Android - platform - bootable - recovery	4.2	Apache License 2.0	http://developer.android.com/index.html	http://developer.android.com/index.html
Android - platform - system - core	4.2	Apache License 2.0	http://developer.android.com/index.html	http://developer.android.com/index.html
bsdiff	4.3	BSDiff license	http://github.com/geraldonetto/bsdiff/	http://github.com/geraldonetto/bsdiff/
CMarkup	11.05	Acquired CMarkup Developer License	http://www.firstobject.com/dn_markup.htm	http://www.firstobject.com/dn_markup.htm
CRC table (Autogen)	Has no version number	Public Domain	http://en.wikipedia.org/wiki/Cyclic_redundancy_check	http://en.wikipedia.org/wiki/Cyclic_redundancy_check
Filesystem in Userspace	2.8.5	BSD 2-clause "Simplified" License	http://sourceforge.net/projects/fuse/	http://sourceforge.net/projects/fuse/
Filesystem in Userspace	2.9.3	GNU Lesser General Public License	http://sourceforge.net/projects/fuse/	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 Semiconductor CodeWarrior Development Studio for MPC55xx/MPC56xx	2.10 special edition	Commercial license		
GNU C Library - glibc	2.2.4	GNU Lesser General Public License v2.1 or later	http://www.gnu.org/software/libc/libc.html	http://www.gnu.org/software/libc/libc.html
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/libdivsufsort/	http://code.google.com/p/libdivsufsort/
lz4	94	BSD 2-clause "Simplified" License	http://code.google.com/p/lz4/	http://code.google.com/p/lz4/
LZO real-time data compression library	2.04	Acquired commercial license	http://www.oberhumer.com/opensource/lzo/	http://www.oberhumer.com/opensource/lzo/
MSDN Sample Code	vs.85	Microsoft 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 "Revised" License	http://www.netbsd.org/	http://www.netbsd.org/
UCL Data Compression Library	1.03	Acquired commercial license	http://www.oberhumer.com/opensource/ucl/	http://www.oberhumer.com/opensource/ucl/
XMLFoundation	Apr-14	MIT License	http://xmlfoundation.codeplex.com/	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	NA
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:


Sl. 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

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4	SHA-1 in C		http://www.mirrors.wiretapped.net/security/cryptography/ hashes/ sha1	Public Domain
5	Android - platform - bootable – recovery	4.0.1_r1	http://developer.android.com/index.html	Apache License 2.0
6	Android - platform - bootable – recovery	5.0.0_r1	http://developer.android.com/index.html	Apache License 2.0
7	Android - platform - bootable – recovery	2.3_r1	http://developer.android.com/index.html	Apache License 2.0
8	File system in Userspace	2.8.7	http://sourceforge.net/projects/fuse/	BSD 2-clause "Simplified" License
9	lz4 Compression algorithm	r111	http://code.google.com/p/lz4/	BSD 2-clause "Simplified" License
10	Android -platform - system - core/libmimicrypt		https://android.googlesource.com/platform/system/core/+master/libmimicrypt	BSD 3-clause "New" or "Revised" License
11	lucy search engine – lucy	0.6.0	http://sourceforge.net/projects/lucy-search/	BSD 3-clause "New" or "Revised" License
12	NetBSD	1.4	http://www.netbsd.org/	BSD 3-clause "New" or "Revised" License
13	Open BSD	4.5	http://www.openbsd.org	BSD 3-clause "New" or "Revised" License
15	Test-SQLite-blob	trunk-20120916-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
19	RSA MD5		http://userpages.umbc.edu/~mabzug1/cs/md5/md5.html	Public Domain
20	Kazlib		http://savannah.nongnu.org/projects/kazlib	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


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Supplier: OBIGO				
Sl.No	Name of OSS Component	Version	License	Copyright
1	vuejs	2.4	MIT License	Copyright (c): 2013-present, Yuxi (Evan) You
2	vux	0.1.3	MIT License	Copyright (c): 2016-present, Airyland
3	es6-promise	3.3	MIT License	Copyright (c): Yehuda Katz, Tom Dale, Stefan Penner and contributors
4	Quasar framework	0.5	MIT License	Copyright (c): 2015-present Razvan Stoenescu
5	tween.js	16.6	MIT License	Copyright (c): 2010-2012 Tween.js authors.
6	iScroll	5	MIT License	Copyright (c): 2014 Matteo Spinelli, cubiq.org
7	array-filter	1.0.0	MIT License	Copyright (c): 2013 Julian Gruber <julian@juliangruber.com>
8	array-find	1.0.0	MIT License	Copyright (c): Stefan Duberg <stefanduberg@gmail.com>
9	array-from	1.0.0	MIT License	Copyright (c): Studio B12 GmbH
10	array-map	0.0.0	MIT License	Copyright (c): James Halliday <mail@substack.net>
11	array-shuffle	1.0.0	MIT License	Copyright (c): Sindre Sorhus <sindresorhus@gmail.com>

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12	countup	1.6.1	MIT License	Copyright (c): Jamie Perkins
13	object-assign	4.1.0	MIT License	Copyright (c): Sindre Sorhus <sindresorhus@gmail.com>
14	photoswipe	4.1	MIT License	Copyright (c): Dmitry Semenov
15	shake.js	1.2.2	MIT License	Copyright (c): Fractal <contact@wearefractal.com>
16	validator	5.1.0	MIT License	Copyright (c):2018 Chris O'Hara <cohara87@gmail.com>
17	webp-support	1.0.3	MIT License	Copyright (c): 2016-present, Airyland
18	HTML Parser		Mozilla Public License , Apache Software License 2.0	Copyright (c): 2004 Erik Arvidsson
19	archiver	2.1.0	MIT License	Copyright (c): 2012-2014 Chris Talkington
20	async	2.6.3	MIT License	Copyright (c): 2010-2018 Caolan McMahon
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2. I want to package these fonts separately for distribution and sale as part of a larger software package or system. Can I do so?

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3. Are derivative works allowed?

Yes!


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

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5. Under what terms are derivative works allowed?

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

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

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

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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.

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

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

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

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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Modified files

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

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

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- web_test.py Also cythonize as many of the tests as possible.

4.105.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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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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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.

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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.

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

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

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root function must still compute square roots.)

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

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

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

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

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Thanks to the many outside volunteers who have worked under Guido's

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Modified files

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

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

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DOCUMENTATION ROADMAP

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This file contains the following sections:


OVERVIEW General description of JPEG and the IJG software.

LEGAL ISSUES Copyright, lack of warranty, terms of distribution.

REFERENCES Where to learn more about JPEG.

ARCHIVE LOCATIONS Where to find newer versions of this software.

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TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

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

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

wizard.txt Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal documentation:

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

example.c Sample code for calling the JPEG library.

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

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

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

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

OVERVIEW

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

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

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

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

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perform conversion between JPEG and some other popular image file formats.

The library is intended to be reused in other applications.

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

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

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

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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.iijg.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/): <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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