
 <b>BOSCH</b>	<b>OSS Disclosure Document</b>	<b>DATE</b>
<b>XC_CT</b>	<b>XC_CT_PRJ_RN_AIVI_Scope2.1</b>	<b>10<sup>th</sup> Nov 2022</b>

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126.	libdaemon	0.14	GNU Lesser General Public License v2.1 or later	<a href="http://www.linuxfromscratch.org/blfs/view/svn/general/libdaemon.html">http://www.linuxfromscratch.org/blfs/view/svn/general/libdaemon.html</a>	Copyright 2003-2008 Lennart Poettering
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137.	libjpeg-turbo	1.4.1	BSD 3-clause "New" or "Revised" License	<a href="http://sourceforge.net/projects/libjpeg-turbo/">http://sourceforge.net/projects/libjpeg-turbo/</a>	Copyright (C) 2009-2011 Nokia Corporation and/or its subsidiary(-ies). All rights reserved, Copyright (C) 2014 Sjarhei Siamashka. All Rights Reserved, Copyright (C) 2014 Linaro Limited. All Rights Reserved, Copyright (C) 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB, Copyright (C) 2009-2011,2013-2014, 2009-2015, D. R. Commander, Copyright (C) 1999-2006, MIYASAKA Masaru, Copyright (C) 1991-1997,1994-1998,1995-1997,1991-1998, Thomas G. Lane,Copyright (C) 2003-2010,1997-2011,Guido Vollbeding.
138.	libjson	7.6.1	BSD 2-clause "Simplified" License	<a href="http://sourceforge.net/projects/libjson/">http://sourceforge.net/projects/libjson/</a>	Copyright (C) 2011 Streamwide. All rights reserved.
139.	libktx	2.0	BSD-like license (libktx)	<a href="https://www.khronos.org/openrgles/sdk/tools/KTX/doc/libktx/licensing.html">https://www.khronos.org/openrgles/sdk/tools/KTX/doc/libktx/licensing.html</a>	Copyright (C) 2008-2009,2010,2013 The Khronos Group Inc,(C) Ericsson AB 2010,2013. All Rights Reserved.,(c) 2008 and (c) 2010 HI Corporation,  (c) 2003-2010, Troy D. Hanson; Confirmed By:Frank Wiedemann CM-A/ECN1;
140.	libmediaart	2.0	GNU Lesser General Public License v2.1 or later	<a href="https://developer.gnome.org/libmediaart/unstable/">https://developer.gnome.org/libmediaart/unstable/</a>	Copyright (C) 2008, Nokia <ivan.frade@nokia.com>.


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142.	libnfsidmap	0.25	BSD 3-clause "New" or "Revised" License	<a href="http://www.citi.umich.edu/projects/nfsv4/linux/faq/#nameid">http://www.citi.umich.edu/projects/nfsv4/linux/faq/#nameid</a>	Copyright (C) 1998, 1999, 2000, 2001 Niklas Hallqvist. All rights reserved., Copyright © 2000, 2001, 2002 Håkan Olsson. All rights reserved., Copyright © 1998 Todd C. Miller <Todd.Miller@courtesan.com>, Copyright © 2008 David Härdeman <david@hardeman.nu>
143.	libnl - Netlink Library	3.2.25	GNU Lesser General Public License v2.1 or later	<a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a>	Copyright: Copyright (c) 2003-2012 Thomas Graf <tgraf@suug.ch>, Copyright (c) 2013 Cong Wang <xiyou.wangcong@gmail.com>, Copyright (c) 2013 Yasunobu Chiba <yasu@dsl.gr.jp>, Copyright (c) 2014 Susant Sahani <susant@redhat.com>, Copyright (c) 2013 Michael Braun <michael-dev@family-braun.de>, Copyright (c) 2003-2006 Baruch Even <baruch@even.org>, Copyright (c) 2010 Karl Hiramoto <karl@hiramoto.org>, Copyright (c) 2007, 2008 Patrick McHardy <kaber@trash.net>, Copyright (c) 2012 Rich Fought <rich.fought@watchguard.com>, Copyright (c) 2007 Secure Computing Corporation, Copyright (c) 2013 Sassano Systems LLC <joe@sassanosystems.com>, Copyright (c) 2012 Cumulus Networks, Inc. Copyright (C) 2005 David S. Miller <davem@davemloft.net>, Copyright (C) 1984, 1989-1990, 2000-2015 Free Software Foundation, Inc. Copyright (C) 1982-1988 UCB.;
144.	libogg	1.3.2	BSD 3-clause "New" or "Revised" License	<a href="http://www.vorbis.com/">http://www.vorbis.com/</a>	Copyright (C) 1994-2010 by the Xiph.Org Foundation <a href="http://www.xiph.org/">http://www.xiph.org/</a>


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146.	libpng1	1.6.19-r0	PNG Reference Library version 2	<a href="http://tracker.debian.org/pkg/libpng1.6">http://tracker.debian.org/pkg/libpng1.6</a>	Copyright:Copyright (c) 1998-2015 Glenn Randers-Pehrson, Copyright (c) 1996, 1997 Andreas Dilger, Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.;
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149.	Libsndfile	1.0.27, 1.0.25	GNU Lesser General Public License v2.1 or later	<a href="http://www.mega-nerd.com/libsndfile/">http://www.mega-nerd.com/libsndfile/</a>	Copyright (C) 1999-2011 Erik de Castro Lopo <erikd@mega-nerd.com>
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162.	libxslt	1.1.29	MIT License	<a href="http://xmlsoft.org/XSLT/">http://xmlsoft.org/XSLT/</a>	Copyright (C) daniel@veillard.com
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174.	LZO real-time data compression library	2.09	GNU General Public License v2.0 or later	<a href="http://www.oberhumer.com/opensource/lzo/">http://www.oberhumer.com/opensource/lzo/</a>	Copyright (C) 1996-2015 Markus Franz Xaver Johannes Oberhumer, All Rights Reserved.
175.	mDNSResponder	625.41.2	Apache License 2.0	<a href="http://github.com/Sha0/mDNSResponder/">http://github.com/Sha0/mDNSResponder/</a>	Copyright (C) 2003-2013 Apple Computer, Inc. All rights reserved
176.	MMC-Utills	0.1-r0	GNU General Public License v2.0 only	<a href="http://git.kernel.org/cgi/linux/kernel/git/cjb/mmc-utils.git/">http://git.kernel.org/cgi/linux/kernel/git/cjb/mmc-utils.git/</a>	Copyright (C) 2005,2007 Olivier Gay <olivier.gay@a3.epfl.ch>, All rights reserved.
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178.	Mozilla NSS	3.19.2	Mozilla Public License 2.0	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>	Copyright (C) 1987, 1993 The Regents of the University of California. All rights reserved, Copyright © 1990,1991,1993,1994 The Regents of the University of California. All rights reserved, Copyright (C) 1994-1999 RSA Security Inc. Copyright© 2012,2013, Intel Corp, Copyright (C) 1995-1996 Jean-loup Gailly.
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189.	NTFS-3G Read/Write Driver	2013.1.13	GNU General Public License v2.0 or later	<a href="http://www.ntfs-3g.org/index.html">http://www.ntfs-3g.org/index.html</a>	Copyright (C) 2007-2008,2010 Jean-Pierre Andre, Copyright © 2005-2007 Yura Pakhuchiy, Copyright © 2000-2004,2005 Anton Altaparmakov, Copyright © 2004-2008 Szabolcs Szakacsits, Copyright © 2004-2005 Richard Russon, Copyright © 2008 Bernhard Kaindl, Copyright (C) 2001-2007 Miklos Szeredi <miklos@szeredi.hu>, Copyright © 2006-2009 Szabolcs Szakacsits.
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Our home page can be found at

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--- end of FTL.TXT ---

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

GCC Runtime Library Exception 3.1 to GPL 3.0


Version 3.1, 31 March 2009

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Preamble

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

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

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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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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application

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

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

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

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

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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.

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.)

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.


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

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

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

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

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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.

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 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

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modified version of the Library.

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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.

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 root function must still compute square roots.)

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

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

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

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

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

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

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

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

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

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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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

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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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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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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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.

We are required to state that

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### **3.1.16 JThread - 1.3.1**

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### **3.1.17 Portaudio - 1.9**

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### **3.1.20 Zlib - 1.2.3**

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### **3.1.21 LibTomCrypt - 1.16**

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### **3.1.22 LibTomMath - 0.39**

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### **3.1.23 Base64.java - 2.3.5.2.**

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### **3.1.24 Internal Android OS APIs**

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### **3.1.25 ExtractMpeg FramesTest. java**

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### **3.1.26 Libupnp (pupnp) - 1.6.19**

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### **3.1.29 Wpa\_suppllicant - 2.3**

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### **3.1.30 Pythonpsutil\_2.1.3.bb**

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### **3.1.31 Android SupportLibraries - 19.0.0**

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### **3.1.33 axTLS - 1.1.8**

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### **3.1.34 Action - 0.1.1**

Home Page: [http://repo1.maven.org/maven2/com/ning/metrics.action/](http://repo1.maven.org/maven2/com/ning/metrics/action/)

License: Apache License 2.0

### **3.1.35 Android - platform - frameworks – base - 4.0.1\_r1**

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

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### **3.1.36 Android - platform - prebuilts – sdk - 4.4\_r1**

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### **3.1.37 Android SDK Support Libraries – 19,23.1.1**

Home Page: <https://developer.android.com/tools/support-library/index.html>


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### **3.1.38 Android SDK Support Libraries**

Drools:: Scorecards - 5.5.0.Final

Home Page : <http://mirrors.ibiblio.org/maven2/org/drools/drools-scorecards/>

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### **3.1.39 Mongolduu - master-20121109**

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

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### **3.1.40 Stan-for-Android - 0.1.0**

Home Page: <http://github.com/Label305/Stan-for-Android/>

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### **3.1.41 doT - 1.0.1**

Home Page: <http://github.com/olado/doT/>

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### **3.1.42 JQuery: 2.0.3**

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

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### **3.1.43 jquery\_mobile\_rails - 1.3.2**

Home Page: [http://rubygems.org/gems/jquery\\_mobile\\_rails](http://rubygems.org/gems/jquery_mobile_rails)

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### **3.1.44 SafeSlinger-Android - 1.8.3-messenger**

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### **3.1.46 CRC32**

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### **3.1.47 SHA-1 in C**

Home Page: <http://www.mirrors.wiretapped.net/security/cryptography/hashe/sha1>

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### **3.1.48 SyncML C Toolkit - 4.0.3**

Home Page: <http://sourceforge.net/projects/syncml-ctoolkit/>

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### **3.1.49 CMarkup - 11.05**

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### **3.1.50 LZO real-time data compression library - 2.04**

Home Page <http://www.oberhumer.com/opensource/lzo/>

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### **3.1.51 Android - platform - bootable – recovery - 4.0.1\_r1**

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

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

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

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

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

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### **3.1.56 lz4 Compression algorithm - r111**


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

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

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

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### 3.1.60 Open BSD - 4.5

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### 3.1.61 Bsdiff - 4.3

Home Page: <http://github.com/geraldonetto/bsdiff/>  
 Home Page: <http://www.daemonology.net/bsdiff/>  
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### 3.1.62 GNU C Library – glibc - 2.2.4

Home Page: <http://www.gnu.org/software/libc/libc.html>  
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### 3.1.63 IGEP Linux Kernel - 2.6.28.10-igep0020b-0

Home Page: <http://www.igep.es/>  
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### 3.1.64 squashfs - a compressed fs for Linux - squashfs4.3

Home Page: <http://sourceforge.net/projects/squashfs/>  
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### 3.1.65 File system in User space - 2.9.3

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### 3.1.66 Libdivsufsort - 2.0.0

Home Page: <http://code.google.com/p/libdivsufsort/>  
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### 3.1.67 Test-SQLite-blob - trunk-20120916-svn


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### 3.1.68 7 Zip - LZMA SDK - 9.2

Home Page: <http://www.7-zip.org/sdk.html>  
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### 3.1.69 7-Zip - 7-Zip -3.11

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

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### **3.1.71 XZ Utils -5.0.7**

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

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

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

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### **3.1.74 Anti-Grain Geometry**

Version Unspecified

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

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### **3.1.75 Android - platform - frameworks - base**

Version android-7.0.0\_r1

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

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### **3.1.76 Android - platform - frameworks - base**

Version Unspecified

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### **3.1.77 Boost C++ Libraries - boost**

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<http://boost.org/>

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

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<http://xiph.org/ogg/>

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<http://opus-codec.org>

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**3.1.81 Speex**

1.2beta2 dev

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**3.1.82 wosh**

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**3.1.83 jsoncpp**

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**3.1.85 pugixml**

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Version Unspecified

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

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### **3.1.88 tiny-AES128-C**

Version master-20141218

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

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### **3.1.89 PVRTC Library**

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

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### **3.1.90 GSM 06.10 Lossy Speech Compression**

Version Unspecified

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

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### **3.1.92 aladdin-md5**

Version Unspecified

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

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### **3.1.93 OpenGL-Examples**

Version master-20141123

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

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### **3.1.94 SDL**

Version 2.0

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

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### **3.1.96 zlib**

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### **3.1.97 pkgconf**

Version Unspecified

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

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

Version 1.0

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


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Acknowledgements:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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RealVNC has made the following modifications to OpenSSL 0.9.8zf:

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

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```
printf("%s",png_get_copyright(NULL));
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at users.sourceforge.net  
September 10, 2009

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The authors can be contacted at <libzip@nih.at>

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### 3.2.10.4 RealVNC modifications to libzip

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

- libzip.vcproj has been added.

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

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### 3.2.14 keysymdef

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### 3.2.19.5 RealVNC modifications to libxml2

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

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#### 3.2.20.3 RealVNC modifications to miniupnpc

The following modifications have been made:

- Requests have been cancelled.

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

### 3.2.21 LibTomCrypt

LibTomCrypt, modular cryptographic library -- Tom St Denis

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

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

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

### 3.2.22 LibTomMath

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

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

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

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

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

### 3.2.23 Base64.java

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

@author Robert Harder

@author rob@iharder.net

@version 2.3.5.2.


### 3.2.24 Internal Android OS APIs

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### 3.2.25 ExtractMpegFramesTest.java

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### 3.2.26 libupnp (pupnp)

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### **3.2.27 libudev**

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### **3.2.28 WPA Supplicant**

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**3.2.28.1 RealVNC modifications to WPA Supplicant** RealVNC has applied the following patch:

<http://w1.fi/cgiit/hostap/patch/?id=f2b3acc9d5.2.b91fbaccfc9dd8d408252bda4f1be9>

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

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

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

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

### 3.2.31 mxcfb.h

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### 3.2.32 axTLS

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### 3.2.32 RealVNC modifications to axTLS


Some unwanted type and function definitions have been removed.

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