

# Keysight IxLoad OVA 9.45 Third Party & Open-Source License Information October 2023

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#### 1 Introduction

This document provides a listing of and complete licensing text for the third-party and opensource software used by the Keysight [product] software.

#### 2 Component list

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Phase: ARCHIVED
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(libedit2 3.1-20191211, OpenSSH 8.2p1)

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Source: git://github.com/stefankoegl/python-json-patch.git

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Source: http://pypi.python.org/pypi/oauthlib

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Source: https://github.com/tartley/colorama

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2018.09.18.1~18.04.2, ubuntu-keyring 2020.06.17.1build1, ubuntu-keyring 2020.06.17.3, ubuntu-release-upgrader-core 20.04.30, ubuntu-release-upgrader-core 20.04.39, ucf 1.17, unattended-upgrades 2.3ubuntu0.3, update-manager 16.04.16, UPower 0.99.11, usb.ids 2020.03.19, usb.ids 2021.03.31, usbmuxd 1.1.1~git20191130.9af2b12, usbutils 007, usbutils v012, util-linux 2.31.1, util-linux 2.33.1, util-linux 2.34, v4l-utils 1.18.1, vlock 2.2.2, xdg-user-dirs 0.17, xfonts-encodings 1.0.5, xfsprogs 4.9.0+nmu1ubuntu2, XZ Utils 5.2.2, XZ Utils 5.2.4, Zapping, a Gnome TV viewer 0.2.35, zerofree 1.1.1, zstd 1.3.3, zstd 1.4.4)

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A "covered work" means either the unmodified Program or a work based on the

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To "convey" a work means any kind of propagation that enables other parties to

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An interactive user interface displays "Appropriate Legal Notices" to the extent

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### 1. Source Code.

The "source code" for a work means the preferred form of the work for making

modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard

defined by a recognized standards body, or, in the case of interfaces specified  $\ensuremath{\mathsf{S}}$ 

for a particular programming language, one that is widely used among developers  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left($ 

working in that language.

The "System Libraries" of an executable work include anything, other than the

work as a whole, that (a) is included in the normal form of packaging a Major

Component, but which is not part of that Major Component, and (b) serves only to

enable use of the work with that Major Component, or to implement a Standard

Interface for which an implementation is available to the public in source code

form. A "Major Component", in this context, means a major essential component

(kernel, window system, and so on) of the specific operating system (if any) on

which the executable work runs, or a compiler used to produce the work, or an

object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source

code needed to generate, install, and (for an executable work) run the object

code and to modify the work, including scripts to control those activities.

However, it does not include the work's System Libraries, or general-purpose

tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example,

Corresponding Source includes interface definition files associated with source

files for the work, and the source code for shared libraries and dynamically

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support for that product model, to give anyone who possesses the object code

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access to copy the Corresponding Source from a network server at no charge.

\* c) Convey individual copies of the object code with a copy of the written

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with such an offer, in accord with subsection 6b.

- \* d) Convey the object code by offering access from a designated place (gratis
- or for a charge), and offer equivalent access to the Corresponding Source in  $% \left( 1\right) =\left( 1\right) +\left( 1\right$

the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object

code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third

party) that supports equivalent copying facilities, provided you maintain

clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding

Source, you remain obligated to ensure that it is available for as long as  $\ensuremath{\mathsf{S}}$ 

needed to satisfy these requirements.

- \* e) Convey the object code using peer-to-peer transmission, provided you
- inform other peers where the object code and Corresponding Source of the work

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A separable portion of the object code, whose source code is excluded from the

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product is a consumer product regardless of whether the product has substantial

commercial, industrial or non-consumer uses, unless such uses represent the only  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right$ 

significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures,

authorization keys, or other information required to install and execute  $\operatorname{modified}$ 

versions of a covered work in that User Product from a modified version of its

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with solely because modification has been made.

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which the right of possession and use of the User Product is transferred to the

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if neither you nor any third party retains the ability to install modified object

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a

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across the network.

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Version 3, 29 June 2007

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product is a consumer product regardless of whether the product has substantial

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significant mode of use of the product.

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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A "covered work" means either the unmodified Program or a work based on the  $\ensuremath{\mbox{\sc holimskip}}$ 

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard

defined by a recognized standards body, or, in the case of interfaces specified

for a particular programming language, one that is widely used among developers  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left($ 

working in that language.

The "System Libraries" of an executable work include anything, other than the

work as a whole, that (a) is included in the normal form of packaging a Major

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enable use of the work with that Major Component, or to implement a Standard

Interface for which an implementation is available to the public in source code

form. A "Major Component", in this context, means a major essential component

(kernel, window system, and so on) of the specific operating system (if any) on

which the executable work runs, or a compiler used to produce the work, or an

object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source  $\ensuremath{\mathsf{Source}}$ 

code needed to generate, install, and (for an executable work) run the object  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left$ 

code and to modify the work, including scripts to control those activities.

However, it does not include the work's System Libraries, or general-purpose

tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example,

Corresponding Source includes interface definition files associated with source

files for the work, and the source code for shared libraries and dynamically

linked subprograms that the work is specifically designed to require, such as by

intimate data communication or control flow between those subprograms and other  $\ensuremath{\mathsf{S}}$ 

parts of the work.

The Corresponding Source need not include anything that users can regenerate  $% \left( 1\right) =\left( 1\right) +\left( 1\right$ 

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support for that product model, to give anyone who possesses the object code

either (1) a copy of the Corresponding Source for all the software in the  $\ensuremath{\mathsf{S}}$ 

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if neither you nor any third party retains the ability to install modified object

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The requirement to provide Installation Information does not include a



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The resulting work is called a "modified version" of the earlier work or a work

"based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the  $\ensuremath{\mbox{\sc holimskip}}$ 

Program.

To "propagate" a work means to do anything with it that, without permission,

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To "convey" a work means any kind of propagation that enables other parties to

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with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent

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for the work (except to the extent that warranties are provided), that licensees  $\frac{1}{2}$ 

may convey the work under this License, and how to view a copy of this License.

If the interface presents a list of user commands or options, such as a menu, a

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#### 1. Source Code.

The "source code" for a work means the preferred form of the work for making

modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard

defined by a recognized standards body, or, in the case of interfaces specified

for a particular programming language, one that is widely used among developers  $\ensuremath{\mathsf{E}}$ 

working in that language.

The "System Libraries" of an executable work include anything, other than the

work as a whole, that (a) is included in the normal form of packaging a Major

Component, but which is not part of that Major Component, and (b) serves only to  $\ensuremath{\mathsf{C}}$ 

enable use of the work with that Major Component, or to implement a Standard

Interface for which an implementation is available to the public in source code

form. A "Major Component", in this context, means a major essential component

(kernel, window system, and so on) of the specific operating system (if any) on

which the executable work runs, or a compiler used to produce the work, or an

object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source

code needed to generate, install, and (for an executable work) run the object

code and to modify the work, including scripts to control those activities.

However, it does not include the work's System Libraries, or general-purpose

tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example,

Corresponding Source includes interface definition files associated with source

files for the work, and the source code for shared libraries and dynamically

linked subprograms that the work is specifically designed to require, such as by

intimate data communication or control flow between those subprograms and other  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left($ 

parts of the work.

The Corresponding Source need not include anything that users can regenerate

automatically from other parts of the Corresponding Source.

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  - giving a relevant date.
- \* b) The work must carry prominent notices stating that it is released under

this License and any conditions added under section 7. This requirement

modifies the requirement in section 4 to "keep intact all notices".

- \* c) You must license the entire work, as a whole, under this License to anyone
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- with any applicable section 7 additional terms, to the whole of the work, and
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- \* d) If the work has interactive user interfaces, each must display Appropriate
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under the terms of this License, in one of these ways:

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on a durable physical medium customarily used for software interchange.

\* b) Convey the object code in, or embodied in, a physical product (including a

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support for that product model, to give anyone who possesses the object code

either (1) a copy of the Corresponding Source for all the software in the

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reasonable cost of physically performing this conveying of source, or (2)

access to copy the Corresponding Source from a network server at no charge.

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occasionally and noncommercially, and only if you received the object  $\operatorname{code}$ 

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- or for a charge), and offer equivalent access to the Corresponding Source in  $\,$

the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object.

code. If the place to copy the object code is a network server, the

Corresponding Source may be on a different server (operated by you or a third

party) that supports equivalent copying facilities, provided you maintain

clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding

Source, you remain obligated to ensure that it is available for as long as

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product is a consumer product regardless of whether the product has substantial

commercial, industrial or non-consumer uses, unless such uses represent the only  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right$ 

significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures,

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versions of a covered work in that User Product from a modified version of its

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functioning of the modified object code is in no case prevented or interfered  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left$ 

with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically

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if neither you nor any third party retains the ability to install modified object

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a

work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be

denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication

across the network.

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to run.

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supply such function or table, the facility still operates, and  $\ensuremath{\mathsf{performs}}$ 

whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose

the

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that is entirely well-defined independent of the application. Therefore,  $\ensuremath{\mathsf{E}}$ 

Subsection 2d requires that any application-supplied function or table used

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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  $\ensuremath{\,^{\circ}}$ 

modified executable containing the modified Library. (It is understood that

the user who changes the contents of definitions files in the Library will

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definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A

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already present on the user's computer system, rather than copying library

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made with.

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Version 2.1, February 1999

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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

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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  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1$ 

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

 $\ensuremath{\mathsf{modified}}$  version is interface-compatible with the version that the work was

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Ty Coon, President of Vice

That's all there is to it!

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GNU Lesser General Public License v3.0 only (Launchpad web services client library 1.10.13, python-lazr.restfulclient 0.14.2)

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A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and

utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

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You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

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If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
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- 3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

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You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

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- 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.
- 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.
- e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)
- 5. Combined Libraries.

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 that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
- b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.



If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

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GNU Lesser General Public License v3.0 or later (Base API 3.0.0-RC1, Client API 3.0.0-RC3, Common API 3.0.0-RC3, Gawk 5.0.1, gcc-9 9.3.0, GDB 8.1.1, GDB 9.2, GMP 6.1.0, GMP 6.1.2, GMP 6.2.0, GNU bc 1.07.1, GNU MPFR 4.0.2, GTK 2.40.0, jzmq 2.1.2, libgcrypt 1.8.5, Libidn 2.0.4, Libidn 2.2.0, libraw1394 2.1.2, libshout 2.4.3, libunistring 0.9.10, libunistring 0.9.9, Logging API 3.0.0-RC3, Nettle 3.4.1, OpenSC 0.20.0, python-lazr.uri 1.0.3, python-wadllib 1.3.3, rsyslog v8.2001.0, Utils 3.0.0-RC3, xfsprogs 5.6.0, xfsprogs v5.3.0)

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Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the

Library, but which is not otherwise based on the Library. Defining a subclass of

a class defined by the Library is deemed a mode of using an interface provided by the Library.



A "Combined Work" is a work produced by combining or linking an Application with

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The "Minimal Corresponding Source" for a Combined Work means the Corresponding

Source for the Combined Work, excluding any source code for portions of the

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not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code

and/or source code for the Application, including any data and utility programs

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that, in the event an Application does not supply the function or data, the  $\ensuremath{\mathsf{L}}$ 

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inline functions and templates (ten or fewer lines in length), you do both of the  $\,$ 

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\* c) For a Combined Work that displays copyright notices during execution,

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 $\label{eq:Application} \mbox{ Application with a modified version of the Linked Version to produce a}$ 

 $\,$  modified Combined Work, in the manner specified by section 6 of the  $\ensuremath{\mathsf{GNU}}$ 

GPL for conveying Corresponding Source.

 $\,$  \* 1) Use a suitable shared library mechanism for linking with the Library.

A suitable mechanism is one that (a) uses at run time a copy of the  $\ensuremath{\mathsf{A}}$ 

Library already present on the user's computer system, and (b)

will

operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

\* e) Provide Installation Information, but only if you would otherwise be

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 $\mbox{\sc modified}$  version of the Combined Work produced by recombining or relinking

the Application with a modified version of the Linked Version. (If you use

option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option

4d1, you must provide the Installation Information in the manner specified by  $% \left( 1\right) =\left( 1\right) +\left( 1$ 

section 6 of the GNU GPL for conveying Corresponding Source.)

#### 5. Combined Libraries.

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 that are not

Applications and are not covered by this License, and convey such a combined

library under terms of your choice, if you do both of the following:

 $^{\star}$  a) Accompany the combined library with a copy of the same work based on the

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For example, if you distribute copies of such a program, whether gratis or for a

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is no warranty for this free software. For both users' and authors' sake, the  $\ensuremath{\mathtt{GPL}}$ 

requires that modified versions be marked as changed, so that their problems will

not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This

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the software. The systematic pattern of such abuse occurs in the area of products

for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for

those products. If such problems arise substantially in other domains, we stand

ready to extend this provision to those domains in future versions of the GPL, as

needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States

should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special

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The precise terms and conditions for copying, distribution and modification follow.

#### TERMS AND CONDITIONS

#### O. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works,

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"The Program" refers to any copyrightable work licensed under this License. Each

licensee is addressed as "you". "Licensees" and "recipients" may be individuals

or organizations.

To "modify" a work means to copy from or adapt all or part of the work in

fashion requiring copyright permission, other than the making of an exact copy.



The resulting work is called a "modified version" of the earlier work or a work

"based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the  $\,$ 

Program.

To "propagate" a work means to do anything with it that, without permission,

would make you directly or secondarily liable for infringement under applicable

copyright law, except executing it on a computer or modifying a private copy.

Propagation includes copying, distribution (with or without modification), making

available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to

make or receive copies. Mere interaction with a user through a computer network,

with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent

that it includes a convenient and prominently visible feature that (1) displays

an appropriate copyright notice, and (2) tells the user that there is no warranty

for the work (except to the extent that warranties are provided), that licensees  $\frac{1}{2}$ 

may convey the work under this License, and how to view a copy of this License.

If the interface presents a list of user commands or options, such as a menu, a  $\,$ 

prominent item in the list meets this criterion.

#### 1. Source Code.

The "source code" for a work means the preferred form of the work for making

modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard

defined by a recognized standards body, or, in the case of interfaces specified

for a particular programming language, one that is widely used among developers  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left($ 

working in that language.



The "System Libraries" of an executable work include anything, other than

work as a whole, that (a) is included in the normal form of packaging a Major

Component, but which is not part of that Major Component, and (b) serves only to

enable use of the work with that Major Component, or to implement a Standard

Interface for which an implementation is available to the public in source code

form. A "Major Component", in this context, means a major essential component

(kernel, window system, and so on) of the specific operating system (if any) on

which the executable work runs, or a compiler used to produce the work, or an

object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source

code needed to generate, install, and (for an executable work) run the object

code and to modify the work, including scripts to control those activities.

However, it does not include the work's System Libraries, or general-purpose

tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example,

Corresponding Source includes interface definition files associated with source

files for the work, and the source code for shared libraries and dynamically

linked subprograms that the work is specifically designed to require, such as by

intimate data communication or control flow between those subprograms and other

parts of the work.

The Corresponding Source need not include anything that users can regenerate

automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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of enforcing, against the work's users, your or third parties' legal rights to

forbid circumvention of technological measures.

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You may convey verbatim copies of the Program's source code as you receive it, in

any medium, provided that you conspicuously and appropriately publish on each

copy an appropriate copyright notice; keep intact all notices stating that this

License and any non-permissive terms added in accord with section 7 apply to the

code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it

from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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  - giving a relevant date.
- \* b) The work must carry prominent notices stating that it is released under

this License and any conditions added under section 7. This requirement

modifies the requirement in section 4 to "keep intact all notices".

\* c) You must license the entire work, as a whole, under this License to anyone

who comes into possession of a copy. This License will therefore apply, along

with any applicable section 7 additional terms, to the whole of the work, and

all its parts, regardless of how they are packaged. This License gives no

permission to license the work in any other way, but it does not invalidate

such permission if you have separately received it.

 $^{\ast}$  d) If the work has interactive user interfaces, each must display Appropriate

Legal Notices; however, if the Program has interactive interfaces that do not

display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which

are not by their nature extensions of the covered work, and which are not

combined with it such as to form a larger program, in or on a volume of a storage

or distribution medium, is called an "aggregate" if the compilation and its

resulting copyright are not used to limit the access or legal rights of the

compilation's users beyond what the individual works permit. Inclusion of a

covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4

and 5, provided that you also convey the machine-readable Corresponding Source

under the terms of this License, in one of these ways:

\* a) Convey the object code in, or embodied in, a physical product (including a

physical distribution medium), accompanied by the Corresponding Source fixed

on a durable physical medium customarily used for software interchange.

\* b) Convey the object code in, or embodied in, a physical product (including a

physical distribution medium), accompanied by a written offer, valid for at

least three years and valid for as long as you offer spare parts or customer

support for that product model, to give anyone who possesses the object code

either (1) a copy of the Corresponding Source for all the software in the  $\ensuremath{\mathsf{S}}$ 

product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your

reasonable cost of physically performing this conveying of source, or (2)

access to copy the Corresponding Source from a network server at no charge.

\* c) Convey individual copies of the object code with a copy of the written

offer to provide the Corresponding Source. This alternative is allowed only

occasionally and noncommercially, and only if you received the object code

with such an offer, in accord with subsection 6b.

- \* d) Convey the object code by offering access from a designated place (gratis
- or for a charge), and offer equivalent access to the Corresponding Source in  $% \left( 1\right) =\left( 1\right) +\left( 1\right$

the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object

code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third

party) that supports equivalent copying facilities, provided you maintain

clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding

Source, you remain obligated to ensure that it is available for as long as  $% \left( 1\right) =\left( 1\right) +\left( 1\right)$ 

needed to satisfy these requirements.

- \* e) Convey the object code using peer-to-peer transmission, provided you
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A separable portion of the object code, whose source code is excluded from the

Corresponding Source as a System Library, need not be included in conveying the object code work.

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product is a consumer product regardless of whether the product has substantial

commercial, industrial or non-consumer uses, unless such uses represent the only  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right$ 

significant mode of use of the product.



"Installation Information" for a User Product means any methods, procedures,

authorization keys, or other information required to install and execute  $\operatorname{modified}$ 

versions of a covered work in that User Product from a modified version of its

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functioning of the modified object code is in no case prevented or interfered

with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically

for use in, a User Product, and the conveying occurs as part of a transaction in  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left$ 

which the right of possession and use of the User Product is transferred to the

recipient in perpetuity or for a fixed term (regardless of how the transaction is

characterized), the Corresponding Source conveyed under this section must be

accompanied by the Installation Information. But this requirement does not apply

if neither you nor any third party retains the ability to install modified object

code on the User Product (for example, the work has been installed in  ${\tt ROM}$ ).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a

work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be

denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication

across the network.

Corresponding Source conveyed, and Installation Information provided, in accord

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Also add information on how to contact you by electronic and paper mail.

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\_\_\_

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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.]

#### Preamble

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When we speak of free software, we are referring to freedom, not price.

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that you receive source code or can get it if you want it, that you can change

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To protect your rights, we need to make restrictions that forbid anyone to deny

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library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a

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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.

Our method of protecting your rights has two steps: (1) copyright the library,

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Also, for each distributor's protection, we want to make certain that everyone

understands that there is no warranty for this free library. If the library is

modified by someone else and passed on, we want its recipients to know that what

they have is not the original version, so that any problems introduced by others

will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish

to avoid the danger that companies distributing free software will individually

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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

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 concluded that weaker conditions might

promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of

those programs of all benefit from the free status of the libraries themselves.

This Library General Public License is intended to permit developers of non-free

programs to use free libraries, while preserving your freedom as a user of such

programs to change the free libraries that are incorporated in them. (We have not

seen how to achieve this as regards changes in header files, but we have achieved

it as regards changes in the actual functions of the Library.) The hope is that

this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification

follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived

from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General

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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

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- b) You must cause the files modified to carry prominent notices stating

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d) If a facility in the modified Library refers to a function or a table of

data to be supplied by an application program that uses the facility, other

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a good faith effort to ensure that, in the event an application does not

supply such function or table, the facility still operates, and  $\ensuremath{\mathsf{performs}}$ 

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,  $\ensuremath{\mathsf{T}}$ 

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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sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then

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distribution of the whole must be on the terms of this License, whose

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permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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3. You may opt to apply the terms of the ordinary GNU General Public License

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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.

 $4.\ {
m You\ may\ copy\ and\ distribute\ the\ Library\ (or\ a\ portion\ or\ derivative\ of\ it,}$ 

under Section 2) in object code or executable form under the terms of Sections  $\boldsymbol{1}$ 

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.)

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

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  $\ensuremath{\mathsf{L}}$ 

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

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definitions.)

b) Accompany the work with a written offer, valid for at least three years,

to give the same user the materials specified in Subsection 6a, above, for  $% \left( 1\right) =\left( 1\right) +\left( 1\right)$ 

a charge no more than the cost of performing this distribution.

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designated place, offer equivalent access to copy the above specified  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left($ 

materials from the same place.

d) Verify that the user has already received a copy of these materials or  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +$ 

that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must

include any data and utility programs needed for reproducing the executable from

it. However, as a special exception, the source code distributed need not include

anything that is normally distributed (in either source or binary form) with the

major components (compiler, kernel, and so on) of the operating system on which

the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other

proprietary libraries that do not normally accompany the operating system. Such a

contradiction means you cannot use both them and the Library together in an

executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not

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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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\_\_\_

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Version 2, June 1991

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\_\_\_\_\_

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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

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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

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functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been

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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

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plus the scripts used to control compilation and installation of the library.

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a good faith effort to ensure that, in the event an application does not

the

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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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or distribution medium does not bring the other work under the scope of  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right)$ 

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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,

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

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therefore covered by this License. Section 6 states terms for distribution of

such executables.

When a "work that uses the Library" uses material from a header file that is part

of the Library, the object code for the work may be a derivative work of the

Library even though the source code is not. Whether this is true is especially

significant if the work can be linked without the Library, or if the work is

itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and

accessors, and small macros and small inline functions (ten lines or less in

length), then the use of the object file is unrestricted, regardless of whether

it is legally a derivative work. (Executables containing this object code plus

portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the

object code for the work under the terms of Section 6. Any executables containing

that work also fall under Section 6, whether or not they are linked directly with

the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work

that uses the Library" with the Library to produce a work containing portions of

the Library, and distribute that work under terms of your choice, provided that

the terms permit modification of the work for the customer's own use and reverse  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

engineering for debugging such modifications.

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work (which must be distributed under Sections 1 and 2 above); and, if the  $\ensuremath{\mathsf{L}}$ 

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  $\ensuremath{\,^{\circ}}$ 

modified executable containing the modified Library. (It is understood that

the user who changes the contents of definitions files in the Library will

 $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left($ 

definitions.)

b) Accompany the work with a written offer, valid for at least three years,

to give the same user the materials specified in Subsection 6a, above, for  $\ensuremath{\text{above}}$ 

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materials from the same place.

d) Verify that the user has already received a copy of these materials or

that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must

include any data and utility programs needed for reproducing the executable from

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one line to give the library's name and an idea of what it does.

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Ty Coon, President of Vice

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\_\_\_

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Version 2, June 1991

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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

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Upstream-Contact: Kirill Simonov <xi@resolvent.net>
Source: https://github.com/yaml/libyaml

Files: \*

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Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service, Cambridge, England. Phone: +44 1223 334714.

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Ubuntu Font Licence

Version 1.0

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libxml2 License
(libx11-data 1.6.9, xorg-x11 1.6.9)

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(lsof 4.93.2, pigz 2.4, Simple DirectMedia Layer 2.0.10, zlib 1.2.11)

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