

Keysight IxLoad IxLoadOVA 9.30 Third Party & Open-Source License Information December 2022

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2 Component list

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[IxLoadOVA : 9.30]

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(perl-gettext 1.07, Algorithm::Diff::XS 0.04, Algorithm::Merge 0.08, autodie 2.29, CPAN::Meta 2.150010, Exporter 5.73, ExtUtils::MakeMaker 7.34, ExtUtils::ParseXS 3.35, File::FcntlLock 0.22, JSON-PP 4.02000, libalgorithm-diff-perl 1.19.03, liberror-perl 0.17029, libextutils-cbuilder-perl 0.280231, libmath-bigint-perl 1.999816, libmodule-corelist-perl 5.20190522, LibNet 3.11, libpod-simple-perl 3.35, Locale::Maketext 1.29, Perl v5.34.0, perl-Archive-Tar 2.32, perl-DBM_Filter 0.06, perl-ExtUtils-Constant 0.25, perl-ExtUtils-ParseXS 3.40, perl-Text-WrapI18N 0.06, podlators 4.11, rh-perl530-perl-Filter-Simple 0.95, Test::Harness 3.42, Text::Iconv 1.7, Thread::Queue 3.13)

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(Algorithm::Diff 1.1902, base-files 10.1ubuntu2.11, base-files 11, base-files 11ubuntu17, base-files 11ubuntu5.5, fakeroot 1.24, gcc-9 9.3.0, liblemonldap-ng-manager-perl 0.9.4.1, libtext-charwidth-perl 0.04, libtext-wrapi18n-perl 0.06, Module::Metadata 1.000036)

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(ssl-cert 1.0.39)

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(libjersey1-core-java 1.19.1)

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these things.

To protect your rights, we need to prevent others from denying you these rights

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responsibilities to respect the freedom of others.

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

fee, you must pass on to the recipients the same freedoms that you received. You

must make sure that they, too, receive or can get the source code. And you must

show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert

copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there

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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

is fundamentally incompatible with the aim of protecting users' freedom to change

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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render the program non-free.

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

TERMS AND CONDITIONS

0. 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, $\$

such as semiconductor masks.

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

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

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

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

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 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

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

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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No covered work shall be deemed part of an effective technological measure under

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treaty adopted on 20 December 1996, or similar laws prohibiting or restricting

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

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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:

- * a) The work must carry prominent notices stating that you modified it, and
 - 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
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such permission if you have separately received it.

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- 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

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

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

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

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

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

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

are being offered to the general public at no charge under subsection 6d.

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.

A "User Product" is either (1) a "consumer product", which means any tangible

personal property which is normally used for personal, family, or household

purposes, or (2) anything designed or sold for incorporation into a dwelling. In

determining whether a product is a consumer product, doubtful cases shall be

resolved in favor of coverage. For a particular product received by a particular

user, "normally used" refers to a typical or common use of that class of product,

regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. ${\tt A}$

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

commercial, industrial or non-consumer uses, unless such uses represent the only

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 modified

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

Corresponding Source. The information must suffice to ensure that the continued

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 $\ensuremath{\mathsf{T}}$

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

with this section must be in a format that is publicly documented (and with an

implementation available to the public in source code form), and must require no

special password or key for unpacking, reading or copying.

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to where the full notice is found.

<one line to give the program's name and a brief idea of what it
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If the program does terminal interaction, make it output a short notice like this

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Version 3, 29 June 2007

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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

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

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(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

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

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physical distribution medium), accompanied by the Corresponding Source fixed $% \left(1\right) =\left(1\right) +\left(1\right$

on a durable physical medium customarily used for software interchange. $\ensuremath{\mathsf{C}}$

* 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 $\operatorname{customer}$

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 $\,$

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.

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

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

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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

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

Corresponding Source. The information must suffice to ensure that the continued

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

for use in, a User Product, and the conveying occurs as part of a transaction in $\ensuremath{\mathsf{I}}$

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

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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

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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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How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use

to the public, the best way to achieve this is to make it free software which

everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach

them to the start of each source file to most effectively state the exclusion of

warranty; and each file should have at least the "copyright" line and a pointer

to where the full notice is found.

<one line to give the program's name and a brief idea of what it
does.>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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

If the program does terminal interaction, make it output a short notice like this

when it starts in an interactive mode:

copyright (C) <year> <name of author>

This program comes with ABSOLUTELY NO WARRANTY; for details type `show $\ensuremath{\mathtt{w}}\xspace$.

This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts

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GNU General Public License v3.0 w/GCC Runtime Library exception (libstdc++6 10.2.1, libstdc++6 11-20201222, libstdc++6 8.3.0)

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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When you use GCC to compile a program, GCC may combine portions of certain GCC

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Version 3, 29 June 2007

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these things.

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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

danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to

render the program non-free.

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, $\$

such as semiconductor masks.

"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 a

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

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 $\ \ \,$

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

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 $\ensuremath{\mathsf{C}}$

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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stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

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any applicable law fulfilling obligations under article 11 of the WIPO copyright

treaty adopted on 20 December 1996, or similar laws prohibiting or restricting $\ensuremath{\text{c}}$

circumvention of such measures.

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disclaim any intention to limit operation or modification of the work as a means

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

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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:

- * a) The work must carry prominent notices stating that you modified it, and
 - 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.

* 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 $\ensuremath{\mathsf{customer}}$

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 $\,$
- 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
- inform other peers where the object code and Corresponding Source of the work
- are being offered to the general public at no charge under subsection 6d.
- 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.
- A "User Product" is either (1) a "consumer product", which means any tangible
- personal property which is normally used for personal, family, or household
- purposes, or (2) anything designed or sold for incorporation into a dwelling. In
- determining whether a product is a consumer product, doubtful cases shall be
- resolved in favor of coverage. For a particular product received by a particular
- user, "normally used" refers to a typical or common use of that class of product,
- regardless of the status of the particular user or of the way in which the



particular user actually uses, or expects or is expected to use, the product. ${\tt A}$

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

commercial, industrial or non-consumer uses, unless such uses represent the only

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 modified

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

Corresponding Source. The information must suffice to ensure that the continued

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

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 $\ensuremath{\mathsf{ROM}}$).

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

with this section must be in a format that is publicly documented (and with an

implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use

to the public, the best way to achieve this is to make it free software which

everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach

them to the start of each source file to most effectively state the exclusion of

warranty; and each file should have at least the "copyright" line and a pointer

to where the full notice is found.

<one line to give the program's name and a brief idea of what it
does.>

Copyright (C) <year> <name of author>

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

If the program does terminal interaction, make it output a short notice like this

when it starts in an interactive mode:

copyright (C) <year> <name of author>

This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts

of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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Version 3, 29 June 2007

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Preamble

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

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

software or use pieces of it in new free programs, and that you know you can do these things.

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

fee, you must pass on to the recipients the same freedoms that you received. You

must make sure that they, too, receive or can get the source code. And you must

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For the developers' and authors' protection, the GPL clearly explains that there

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

is fundamentally incompatible with the aim of protecting users' freedom to change

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.

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

danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to

render the program non-free.

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, $\$

such as semiconductor masks.

"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 a

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

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 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 $\operatorname{Standard}$

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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covered works to others for the sole purpose of having them make modifications

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works for you must do so exclusively on your behalf, under your direction and

control, on terms that prohibit them from making any copies of your copyrighted $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions

stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under

any applicable law fulfilling obligations under article 11 of the WIPO copyright

treaty adopted on 20 December 1996, or similar laws prohibiting or restricting

circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention

of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you

disclaim any intention to limit operation or modification of the work as a means

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

forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

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:

 * a) The work must carry prominent notices stating that you modified it, and

giving a relevant date.



* b) The work must carry prominent notices stating that it is released

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

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

such permission if you have separately received it.

* 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,

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

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

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

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

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 $\operatorname{\mathsf{code}}$

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 $\ensuremath{\mathsf{Source}}$

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

inform other peers where the object code and Corresponding Source of the work

are being offered to the general public at no charge under subsection 6d.

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.

A "User Product" is either (1) a "consumer product", which means any tangible

personal property which is normally used for personal, family, or household

purposes, or (2) anything designed or sold for incorporation into a dwelling. In

determining whether a product is a consumer product, doubtful cases shall be

resolved in favor of coverage. For a particular product received by a particular

user, "normally used" refers to a typical or common use of that class of product,

regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. ${\tt A}$

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

commercial, industrial or non-consumer uses, unless such uses represent the only

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 modified

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

Corresponding Source. The information must suffice to ensure that the continued

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

for use in, a User Product, and the conveying occurs as part of a transaction in

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

with this section must be in a format that is publicly documented (and with an

implementation available to the public in source code form), and must require no

special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by

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such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place,

in the relevant source files, a statement of the additional terms that apply to

those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a

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Each version is given a distinguishing version number. If the Program specifies

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apply local law that most closely approximates an absolute waiver of all civil

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To do so, attach the following notices to the program. It is safest to attach

them to the start of each source file to most effectively state the exclusion of

warranty; and each file should have at least the "copyright" line and a pointer

to where the full notice is found.

<one line to give the program's name and a brief idea of what it
does.>

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

If the program does terminal interaction, make it output a short notice like this

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This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

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suggest you first think carefully about whether this license or the ordinary

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based on the explanations below.

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that you can do these things.

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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 other code

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.

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

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

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 $\mbox{modification}$

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from the library, whereas the latter must be combined with the library in order $\ensuremath{\mathsf{C}}$

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.

Activities other than copying, distribution and modification are not covered by

this License; they are outside its scope. The act of running a program using the

Library is not restricted, and output from such a program is covered only if its

contents constitute a work based on the Library (independent of the use of the

Library in a tool for writing it). Whether that is true depends on what the

Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source

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absence of any warranty; and distribute a copy of this License along with the Library.

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

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or work under the terms of Section 1 above, provided that you also meet all of $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

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

that you changed the files and the date of any change.

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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 $\operatorname{performs}$

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.)

These requirements apply to the modified work as a whole. If identifiable

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

each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your

rights to work written entirely by you; rather, the intent is to exercise

the right to control the distribution of derivative or collective works

based on the Library.

In addition, mere aggregation of another work not based on the Library with

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or distribution medium does not bring the other work under the scope of

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

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ordinary GNU General Public License, version 2, instead of to this License. (If a

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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 $\boldsymbol{1}$

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,

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 $% \left\{ 1\right\} =\left\{ 1$

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.

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,

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 $% \left(\frac{1}{2}\right) =0$

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

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

definitions.)

- b) Use a suitable shared library mechanism for linking with the Library. $\ensuremath{\mathtt{A}}$
- 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
- $% \left(1\right) =\left(1\right) +\left(1\right) +\left($
 - 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 $\ensuremath{\text{above}}$
 - 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 $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($
 - materials from the same place.
- e) 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 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.
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one line to give the library's name and an idea of what it does.

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rb.7zip.install 19.0.1, Seccomp Library 2.2.1, selinux 3.0, swingx 1.6.4, SwingX AutoComplete 1.6.5-1, SwingX Commons 1.6.4, SwingX Core 1.6.4, SwingX Graphics 1.6.4, SwingX Painter Support 1.6.4, systemd 233, systemd 234, systemd 245.4, systemd 245.6, systemd-network 245.6, systemd-sysvinit 208, systemd-sysvinit 245.6, systemd-timesyncd 245.4, systemd-timesyncd 245.6, udev 245.4, Urwid - Curses-based UI Library 2.0.1, usbmuxd 1.1.7cgit20191130.9af2b12, Wine 5.0~rc4, xfsprogs 4.9.0+nmu1ubuntu2, XZ Utils 5.2.2)

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and change it. By contrast, the GNU General Public Licenses are intended to

guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we

suggest you first think carefully about whether this license or the ordinary

General Public License is the better strategy to use in any particular case,

based on the explanations below.

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

Our General Public Licenses are designed to make sure that you have the freedom

to distribute copies of free software (and charge for this service if you wish);

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

the software and use pieces of it in new free programs; and that you are informed

that you can do these things.

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

deny you these rights or to ask you to surrender these rights. These restrictions

translate to certain responsibilities for you if you distribute copies of the

library or if you modify it.

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

fee, you must give the recipients all the rights that we gave you. You must make

sure that they, too, receive or can get the source code. If you link other code

with the library, you must provide complete object files to the recipients, so

that they can relink them with the library after making changes to the library

and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and

(2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no

warranty for the free library. Also, if the library is modified by someone else

and passed on, the recipients should know that what they have is not the original

version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

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 ${\tt C}$ Library in non-free programs enables many



more people to use the whole GNU operating system, as well as its variant, the

GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users'

freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified

version of the Library.

The precise terms and conditions for copying, distribution and $\mbox{modification}$

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 $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) +\frac{1}{2}\left(\frac{1}{2$

to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

 ${\tt O.}$ This License Agreement applies to any software library or other program which

contains a notice placed by the copyright holder or other authorized party saying

it may be distributed under the terms of this Lesser General Public License (also

called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as

to be conveniently linked with application programs (which use some of those

functions and data) to form executables.

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

distributed under these terms. A "work based on the Library" means either the

Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications

and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source

code for all modules it contains, plus any associated interface definition files,

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

Activities other than copying, distribution and modification are not covered by

this License; they are outside its scope. The act of running a program using the

Library is not restricted, and output from such a program is covered only if its

contents constitute a work based on the Library (independent of the use of the

Library in a tool for writing it). Whether that is true depends on what the

Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source

code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer

of warranty; keep intact all the notices that refer to this License and to the

absence of any warranty; and distribute a copy of this License along with the $% \left(1\right) =\left(1\right) +\left(1$

Library.

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

2. You may modify your copy or copies of the Library or any portion of it,

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

these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating

that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all

third parties under the terms of this License.

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

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

the

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

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,

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 $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac{1$

each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your $% \left(1\right) =\left(1\right) +\left(1\right)$

rights to work written entirely by you; rather, the intent is to exercise

the right to control the distribution of derivative or collective works

based on the Library.

In addition, mere aggregation of another work not based on the Library with

the Library (or with a work based on the Library) on a volume of a storage

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

this License.

3. You may opt to apply the terms of the ordinary ${\tt GNU}$ ${\tt General}$ ${\tt Public}$ ${\tt License}$

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

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 $\boldsymbol{1}$

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 ${\bf r}$

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" $\ensuremath{\text{"work}}$

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

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

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

definitions.)

b) Use a suitable shared library mechanism for linking with the Library. $\ensuremath{\mathtt{A}}$

suitable mechanism is one that (1) uses at run time a copy of the library $\ensuremath{\text{library}}$

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

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

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

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

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

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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holder who places the Library under this License may add an explicit geographical

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14. If you wish to incorporate parts of the Library into other free programs

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ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions

for this. Our decision will be guided by the two goals of preserving the free $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left$

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- To apply these terms, attach the following notices to the library. It is safest



to attach them to the start of each source file to most effectively convey

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You should also get your employer (if you work as a programmer) or your school,

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sample; alter the names:

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signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice

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0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an 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 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.

1. Exception to Section 3 of the GNU GPL.

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

2. Conveying Modified Versions.

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
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.
- 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:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
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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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- 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.
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- 6. Revised Versions of the GNU Lesser General Public License.

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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.

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libshout 2.4.3, libtdb1 1.4.3, libunistring 0.9.10, libunistring 0.9.9, Logging API 3.0.0-RC3, Nettle 3.4.1, OpenSC 0.20.0, Pango 1.44.7, python-lazr.uri 1.0.3, python-wadllib 1.3.3, rsyslog v8.2001.0, Samba 4.13.17, Utils 3.0.0-RC3, xfsprogs 5.6.0, xfsprogs v5.3.0)

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Version 3, 29 June 2007

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conditions of version 3 of the GNU General Public License, supplemented by the

additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General

Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an

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

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.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections $\mbox{3}$ and $\mbox{4}$ of this License without

being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

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

 * b) under the GNU GPL, with none of the additional permissions of this License

applicable to that copy.

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:

- * a) Give prominent notice with each copy of the object code that the Library
- is used in it and that the Library and its use are covered by this License.
- $\ ^{\star}$ b) Accompany the object code with a copy of the GNU GPL and this license

document.

4. Combined Works.

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:

- * a) Give prominent notice with each copy of the Combined Work that the Library
- is used in it and that the Library and its use are covered by this License.
- * b) Accompany the Combined Work with a copy of the GNU GPL and this license

document.

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

include the copyright notice for the Library among these notices, as well as

a reference directing the user to the copies of the GNU GPL and this license $\,$

document.

- * d) Do one of the following:
- * 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 $\ensuremath{\mathsf{A}}$

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

required to provide such information under section 6 of the GNU $\ensuremath{\mathsf{GPL}}$, and only

to the extent that such information is necessary to install and execute ${\tt a}$

 $\mbox{{\it modified}}$ 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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Preamble

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these things.

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must make sure that they, too, receive or can get the source code. And you must

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copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that

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

is fundamentally incompatible with the aim of protecting users' freedom to change

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

danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to

render the program non-free.

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,

such as semiconductor masks.

"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 a

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 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 $\operatorname{Standard}$

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

automatically from other parts of the Corresponding Source.

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

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on

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if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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conditions so long as your license otherwise remains in force. You may convey

covered works to others for the sole purpose of having them make modifications

exclusively for you, or provide you with facilities for running those works,

provided that you comply with the terms of this License in conveying all material

for which you do not control copyright. Those thus making or running the covered

works for you must do so exclusively on your behalf, under your direction and

control, on terms that prohibit them from making any copies of your copyrighted

material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions

stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under

any applicable law fulfilling obligations under article 11 of the WIPO copyright

treaty adopted on 20 December 1996, or similar laws prohibiting or restricting

circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention

of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you

disclaim any intention to limit operation or modification of the work as a means

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

forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

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:

- * a) The work must carry prominent notices stating that you modified it, and
 - 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

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

such permission if you have separately received it.

* 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

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

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 $\,$

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

needed to satisfy these requirements.

 $\ \ ^{\star}$ 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

are being offered to the general public at no charge under subsection 6d.

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.

A "User Product" is either (1) a "consumer product", which means any tangible

personal property which is normally used for personal, family, or household

purposes, or (2) anything designed or sold for incorporation into a dwelling. In

determining whether a product is a consumer product, doubtful cases shall be

resolved in favor of coverage. For a particular product received by a particular

user, "normally used" refers to a typical or common use of that class of product,

regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A

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 $\mbox{modified}$

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

Corresponding Source. The information must suffice to ensure that the continued



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

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

with this section must be in a format that is publicly documented (and with an

implementation available to the public in source code form), and must require no $\,$

special password or key for unpacking, reading or copying.

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"Additional permissions" are terms that supplement the terms of this License by

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 * c) Prohibiting misrepresentation of the origin of that material, or requiring

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different from the original version; or

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Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of

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You are not required to accept this License in order to receive or run a copy of

the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does

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or substantially all assets of one, or subdividing an organization, or merging

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you may not initiate litigation (including a cross-claim or counterclaim in a



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license to downstream recipients. "Knowingly relying" means you have actual

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one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you

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Version 2, June 1991

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[This is the first released version of the Library GPL. It is numbered $2\,$

because it goes with version 2 of the ordinary GPL.]

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do these things.

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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,

and (2) offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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

to avoid the danger that companies distributing free software will individually

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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 GNU

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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

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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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

Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications

and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source

code for all modules it contains, plus any associated interface definition files,

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

Activities other than copying, distribution and modification are not covered by

this License; they are outside its scope. The act of running a program using the

Library is not restricted, and output from such a program is covered only if its

contents constitute a work based on the Library (independent of the use of the

Library in a tool for writing it). Whether that is true depends on what the

Library does and what the program that uses the Library does.

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your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus

forming a work based on the Library, and copy and distribute such modifications

or work under the terms of Section 1 above, provided that you also meet all of

these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating

that you changed the files and the date of any change.

 $\,$ c) You must cause the whole of the work to be licensed at no charge to all

third parties under the terms of this License.

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

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

than as an argument passed when the facility is invoked, then you must make

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

supply such function or table, the facility still operates, and performs

whatever part of its purpose remains meaningful.

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

that is entirely well-defined independent of the application. Therefore,

Subsection 2d requires that any application-supplied function or table used $% \left(1\right) =\left(1\right) +\left(1\right)$

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 $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac$

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,

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

each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your $% \left(1\right) =\left(1\right) +\left(1\right)$

rights to work written entirely by you; rather, the intent is to exercise

the

the right to control the distribution of derivative or collective works $\ensuremath{\mathsf{works}}$

based on the Library.

In addition, mere aggregation of another work not based on the Library with

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

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newer version than version 2 of the ordinary GNU General Public License has

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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 $\boldsymbol{1}$

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,

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 $% \left\{ 1\right\} =\left\{ 1\right\} =\left\{$

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 $\frac{1}{2}$

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

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

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

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

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

the Library itself.

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

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

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

the terms permit modification of the work for the customer's own use and reverse

engineering for debugging such modifications.

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 \boldsymbol{a}

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

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

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- b) Give prominent notice with the combined library of the fact that part of
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terms (or, alternatively, under the terms of the ordinary General Public License).



To apply these terms, attach the following notices to the library. It is

to attach them to the start of each source file to most effectively convey

exclusion of warranty; and each file should have at least the "copyright" line

and a pointer to where the full notice is found.

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

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

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signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice



That's all there is to it!

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GNU Library General Public License _____

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

The licenses for most software are designed to take away your freedom to

and change it. By contrast, the GNU General Public Licenses are intended

guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially

designated Free Software Foundation software, and to other libraries whose authors who decide to use it. You can use it for your libraries too.

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

General Public Licenses are designed to make sure that you have the freedom to

distribute copies of free software (and charge for this service if you wish),

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

the software or use pieces of it in new free programs; and that you know you can

do these things.

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

you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the

library, or if you modify it.

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

fee, you must give the recipients all the rights that we gave you. You must make

sure that they, too, receive or can get the source code. If you link a program

with the library, you must provide complete object files to the recipients so

that they can relink them with the library after making changes to the library

and recompiling it. And you must show them these terms so they know their rights.

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

and (2) offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

obtain patent licenses, thus in effect transforming the program into proprietary

software. To prevent this, we have made it clear that any patent must be licensed

for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU

General Public License, which was designed for utility programs. This license,

the GNU Library General Public License, applies to certain designated libraries.

This license is quite different from the ordinary one; be sure to read it in

full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur

the distinction we usually make between modifying or adding to a program and

simply using it. Linking a program with a library, without changing the library,

is in some sense simply using the library, and is analogous to running a utility

program or application program. However, in a textual and legal sense, the linked

executable is a combined work, a derivative of the original library, and the

ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public

for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might

promote sharing better.

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

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

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

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

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

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

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

this will lead to faster development of free libraries.



The precise terms and conditions for copying, distribution and modification

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

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

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

Public License rather than by this special one.

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O. This License Agreement applies to any software library which contains a notice

placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called

"this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as

to be conveniently linked with application programs (which use some of those

functions and data) to form executables.

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

distributed under these terms. A "work based on the Library" means either the

Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications

and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source

code for all modules it contains, plus any associated interface definition files,

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

Activities other than copying, distribution and modification are not covered by

this License; they are outside its scope. The act of running a program using the

Library is not restricted, and output from such a program is covered only if its

contents constitute a work based on the Library (independent of the use of the

Library in a tool for writing it). Whether that is true depends on what the

Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source

code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer

of warranty; keep intact all the notices that refer to this License and to the

absence of any warranty; and distribute a copy of this License along with the $% \left(1\right) =\left(1\right) +\left(1$

Library.

You may charge a fee for the physical act of transferring a copy, and you may at

your option offer warranty protection in exchange for a fee.

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 $\ensuremath{\mathsf{S}}$

these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating

that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all

third parties under the terms of this License.

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

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

than as an argument passed when the facility is invoked, then you must make

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

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

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

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,

distribution of the whole must be on the terms of this License, whose $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac{1}{$

permissions for other licensees extend to the entire whole, and thus to $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac{1$

each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your

rights to work written entirely by you; rather, the intent is to exercise

the right to control the distribution of derivative or collective works

based on the Library.

In addition, mere aggregation of another work not based on the Library with

the Library (or with a work based on the Library) on a volume of a storage

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

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

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 $\boldsymbol{1}$

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 $\frac{1}{2}$

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 $\ensuremath{\mathsf{N}}$

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

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 $\ensuremath{\text{0}}$

work is an executable linked with the Library, with the complete

machine-readable "work that uses the Library", as object code and/or source $\ensuremath{\mathsf{Source}}$

code, so that the user can modify the Library and then relink to produce a $% \left(1\right) =\left(1\right) +\left(1\right)$

 $\mbox{{\it modified}}$ 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 $\ensuremath{\text{above}}$
 - a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a $\,$

designated place, offer equivalent access to copy the above specified

materials from the same place.

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

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 $\ensuremath{\mathsf{a}}$

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 $\ensuremath{\mathsf{S}}$

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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status of all derivatives of our free software and of promoting the sharing and $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

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and a pointer to where the full notice is found.

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

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

You should also get your employer (if you work as a programmer) or your school,

if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a

sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

GPL 2.0 with OpenSSL Exception (Linux Unified Key Setup 2.2.2)

GPL 2.0 with OpenSSL Exception

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Version 2, June 1991

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

do these things.

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software, or if you modify it.

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

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modify the software.

Also, for each author's protection and ours, we want to make certain that

everyone understands that there is no warranty for this free software. If

software is modified by someone else and passed on, we want its recipients to

know that what they have is not the original, 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

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obtain patent licenses, in effect making the program proprietary. To prevent

this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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forming a work based on the Program, 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. You must cause the modified files to carry prominent notices stating $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right)$
 - that you changed the files and the date of any change.
- b. You must cause any work that you distribute or publish, that in whole $% \left(1\right) =\left(1\right) +\left(1\right) +\left$
- or in part contains or is derived from the Program or any part thereof,
- to be licensed as a whole at no charge to all third parties under the terms of this License.
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- most ordinary way, to print or display an announcement including an
- appropriate copyright notice and a notice that there is no warranty (or
- else, saying that you provide a warranty) and that users may redistribute
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- copy of this License. (Exception: if the Program itself is interactive
- but does not normally print such an announcement, your work based on the
 - Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable

sections of that work are not derived from the Program, and can be reasonably

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on the terms of this License, whose permissions for other licensees extend to $\ensuremath{\mathsf{E}}$

the entire whole, and thus to each and every part regardless of who wrote it.

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(libdistro-info-perl 0.18)

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* If The Program is intended to be used with, or is based on, LaTeX, then

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- $\ensuremath{\mathsf{modified}}$ at all because they contain the legal notices that are placed in the

generated files.

- Files with extension `.fd' (LaTeX font definitions files): these files
- allowed to be modified without changing the name, but only to enable use of all
- available fonts and to prevent attempts to access unavailable fonts.
- modified files are not allowed to be distributed in place of original files.
- Files with extension `.cfg' (configuration files): these files can be created
- or modified to enable easy configuration of the system. The documentation in
- cfgguide.tex in the base LaTeX distribution describes when it makes sense to $\ \ \,$

modify or generate such files.

The above restrictions are not intended to prohibit, and hence do not apply to,

the updating, by any method, of a file so that it becomes identical to the latest

version of that file in The Program.

NOTES

We believe that these requirements give you the freedom you to make $\operatorname{modifications}$

that conform with whatever technical specifications you wish, whilst maintaining

the availability, integrity and reliability of The Program. If you do not see how

to achieve your goal whilst adhering to these requirements then read the document

cfgguide.tex in the base LaTeX distribution for suggestions.

Because of the portability and exchangeability aspects of systems like LaTeX, The

 ${\tt LaTeX3}$ Project deprecates the distribution of non-standard versions of components

of LaTeX or of generally available contributed code for them but such distributions are permitted under the above restrictions.



The document modguide.tex in the base LaTeX distribution details the reasons for

the legal requirements detailed above. Even if The Program is unrelated to LaTeX,

the argument in modguide.tex may still apply, and should be read before a modified version of The Program is distributed.

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The individual files may bear additional conditions which supersede the general

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(re)distributor of a complete, unchanged copy of The Program need meet only the $\,$

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The LaTeX Project Public License

=-=-=-=-=-=-=-=-

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gives instructions, examples, and recommendations for authors who are considering

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We, the LaTeX3 Project, believe that the conditions below give you the freedom to

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DEFINITIONS

In this license document the following terms are used:

`Work'

Any work being distributed under this License.

`Derived Work!

Any work that under any applicable law is derived from the Work.

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Any procedure that produces a Derived Work under any applicable law - for

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with modifications and/or translated into another language.

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such as FTP or HTTP or by shared file systems such as Sun's Network File $\,$

System (NFS).

`Compiled Work'

A version of the Work that has been processed into a form where it is $\ensuremath{\mathsf{I}}$

directly usable on a computer system. This processing may include using

installation facilities provided by the Work, transformations of the Work,

copying of components of the Work, or other activities. Note that modification of any installation facilities provided by the Work constitutes modification of the Work.

`Current Maintainer'

A person or persons nominated as such within the Work. If there is no such

explicit nomination then it is the `Copyright Holder' under any applicable

law.

`Base Interpreter'

A program or process that is normally needed for running or interpreting a $% \left(1\right) =\left(1\right) +\left(1\right)$

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components but these are not considered part of the Base Interpreter provided that each external component clearly identifies itself whenever it

is used interactively. Unless explicitly specified when applying the license to the Work, the only applicable Base Interpreter is a "LaTeX-Format".

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1. Activities other than distribution and/or modification of the Work are not

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any offers of support for the Work.

- 2. You may distribute a complete, unmodified copy of the Work as you received
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terms of this clause.

3. You may distribute a Compiled Work that has been generated from a complete,

unmodified copy of the Work as distributed under Clause 2 above, as long as

that Compiled Work is distributed in such a way that the recipients may

install the Compiled Work on their system exactly as it would have been

installed if they generated a Compiled Work directly from the Work.

4. If you are the Current Maintainer of the Work, you may, without restriction,

modify the Work, thus creating a Derived Work. You may also distribute the

Derived Work without restriction, including Compiled Works generated from the $\,$

Derived Work. Derived Works distributed in this manner by the Current Maintainer are considered to be updated versions of the Work.

5. If you are not the Current Maintainer of the Work, you may modify your copy

of the Work, thus creating a Derived Work based on the Work, and compile this

Derived Work, thus creating a Compiled Work based on the Derived Work.

6. If you are not the Current Maintainer of the Work, you may distribute a

Derived Work provided the following conditions are met for every component of

the Work unless that component clearly states in the copyright notice that it

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such statements of exemption to a component of the Work.

- 1. If a component of this Derived Work can be a direct replacement for a
- component of the Work when that component is used with the Base Interpreter, then, wherever this component of the Work identifies itself
- to the user when used interactively with that Base Interpreter, the $\,$
- replacement component of this Derived Work clearly and unambiguously
- identifies itself as a modified version of this component to the user $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($
 - when used interactively with that Base Interpreter.
- 2. Every component of the Derived Work contains prominent notices detailing
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- copy the Work from the same or some similar place meets this condition, even though third parties are not compelled to copy the
 - Work along with the modified component;
- 2. Information that is sufficient to obtain a complete, unmodified copy of the Work.
- 7. If you are not the Current Maintainer of the Work, you may distribute a

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distributed to all recipients of the Compiled Work, and as long as the conditions of Clause 6, above, are met with regard to the Derived Work.

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applying some process to that format, does not relax or nullify any sections

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10.

- 1. A Derived Work may be distributed under a different license provided $\ensuremath{\mathsf{N}}$
- that license itself honors the conditions listed in Clause 6 above, in
- regard to the Work, though it does not have to honor the rest of the $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right)$
 - conditions in this license.
- 2. If a Derived Work is distributed under this license, that Derived Work

 $% \left(1\right) =\left(1\right) \left(1\right)$ must provide sufficient documentation as part of itself to allow each

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

above, concerning changes from the Work.

- 11. This license places no restrictions on works that are unrelated to the
- Work, nor does this license place any restrictions on aggregating such works

with the Work by any means.

12. Nothing in this license is intended to, or may be used to, prevent complete

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any other programs), even if the Copyright Holder or said author or said other

party has been advised of the possibility of such damages.

MAINTENANCE OF THE WORK

The Work has the status `author-maintained' if the Copyright Holder explicitly

and prominently states near the primary copyright notice in the Work that the

Work can only be maintained by the Copyright Holder or simply that is `author-maintained'.

The Work has the status `maintained' if there is a Current Maintainer who has

indicated in the Work that they are willing to receive error reports for the Work

(for example, by supplying a valid e-mail address). It is not required for the

Current Maintainer to acknowledge or act upon these error reports.

The Work changes from status `maintained' to `unmaintained' if there is no Current Maintainer, or the person stated to be Current Maintainer of the work

cannot be reached through the indicated means of communication for a period of

six months, and there are no other significant signs of active maintenance.

You can become the Current Maintainer of the Work by agreement with any existing

Current Maintainer to take over this role.

If the Work is unmaintained, you can become the Current Maintainer of the $\ensuremath{\mathsf{Work}}$

through the following steps:

1. Make a reasonable attempt to trace the Current Maintainer (and the Copyright

Holder, if the two differ) through the means of an Internet or similar search.

- 2. If this search is successful, then enquire whether the Work is still maintained.
- 1. If it is being maintained, then ask the Current Maintainer to $\ensuremath{\mathsf{update}}$

their communication data within one month.

- 2. If the search is unsuccessful or no action to resume active maintenance
- is taken by the Current Maintainer, then announce within the pertinent
- community your intention to take over maintenance. (If the Work is a
 - LaTeX work, this could be done, for example, by posting to comp.text.tex.)

3.

- 1. If the Current Maintainer is reachable and agrees to pass maintenance of $% \left(1\right) =\left(1\right)$
- the Work to you, then this takes effect immediately upon announcement.
- 2. If the Current Maintainer is not reachable and the Copyright $\operatorname{\mathsf{Holder}}$
- agrees that maintenance of the Work be passed to you, then this takes $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($
 - effect immediately upon announcement.
- 4. If you make an `intention announcement' as described in 2b. above and after
- three months your intention is challenged neither by the Current Maintainer
- nor by the Copyright Holder nor by other people, then you may arrange for the $\,$

Work to be changed so as to name you as the (new) Current Maintainer.

- 5. If the previously unreachable Current Maintainer becomes reachable once more
- within three months of a change completed under the terms of 3b) or 4), then
- that Current Maintainer must become or remain the Current Maintainer upon

request provided they then update their communication data within one month.

A change in the Current Maintainer does not, of itself, alter the fact that the

Work is distributed under the LPPL license.

If you become the Current Maintainer of the Work, you should immediately provide,

within the Work, a prominent and unambiguous statement of your status as Current

Maintainer. You should also announce your new status to the same pertinent community as in 2b) above.

WHETHER AND HOW TO DISTRIBUTE WORKS UNDER THIS LICENSE

This section contains important instructions, examples, and recommendations for

authors who are considering distributing their works under this license. These

authors are addressed as `you' in this section.

Choosing This License or Another License

If for any part of your work you want or need to use *distribution* conditions

that differ significantly from those in this license, then do not refer to this

license anywhere in your work but, instead, distribute your work under a different license. You may use the text of this license as a model for your own

license, but your license should not refer to the LPPL or otherwise give the

impression that your work is distributed under the LPPL.

The document `modguide.tex' in the base LaTeX distribution explains the motivation behind the conditions of this license. It explains, for example, why

distributing LaTeX under the GNU General Public License (GPL) was considered

inappropriate. Even if your work is unrelated to LaTeX, the discussion in

`modguide.tex' may still be relevant, and authors intending to distribute their

works under any license are encouraged to read it.

A Recommendation on Modification Without Distribution

It is wise never to modify a component of the Work, even for your own personal

use, without also meeting the above conditions for distributing the $\operatorname{modified}$

component. While you might intend that such modifications will never be distributed, often this will happen by accident — you may forget that you have

modified that component; or it may not occur to you when allowing others to

access the modified version that you are thus distributing it and violating the

conditions of this license in ways that could have legal implications and, worse,

cause problems for the community. It is therefore usually in your best interest

to keep your copy of the Work identical with the public one. Many works provide

ways to control the behavior of that work without altering any of its licensed components.

How to Use This License

To use this license, place in each of the components of your work both an explicit copyright notice including your name and the year the work was authored

and/or last substantially modified. Include also a statement that the distribution and/or modification of that component is constrained by the conditions in this license.

Here is an example of such a notice and statement:

```
%% pig.dtx
%% Copyright 2003 M. Y. Name
%
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% conditions of the LaTeX Project Public License, either version 1.3
% of this license or (at your option) any later version.
% The latest version of this license is in
% http://www.latex-project.org/lppl.txt
% and version 1.3 or later is part of all distributions of LaTeX
% version 2003/12/01 or later.
%
% This work has the LPPL maintenance status "maintained".
```

% This Current Maintainer of this work is M. Y. Name.

<u>o</u>

- % This work consists of the files pig.dtx and pig.ins
- % and the derived file pig.sty.

Given such a notice and statement in a file, the conditions given in this license

document would apply, with the `Work' referring to the three files `pig.dtx',

`pig.ins', and `pig.sty' (the last being generated from `pig.dtx' using `pig.ins'), the `Base Interpreter' referring to any "LaTeX-Format", and both

`Copyright Holder' and `Current Maintainer' referring to the person `M. Y. Name'.

If you do not want the Maintenance section of LPPL to apply to your Work, change

"maintained" above into "author-maintained". However, we recommend that you use

"maintained" as the Maintenance section was added in order to ensure that your

Work remains useful to the community even when you can no longer maintain and

support it yourself.

Important Recommendations

Defining What Constitutes the Work

The LPPL requires that distributions of the Work contain all the files of the

Work. It is therefore important that you provide a way for the licensee to determine which files constitute the Work. This could, for example, be achieved

by explicitly listing all the files of the Work near the copyright notice of each

file or by using a line such as:

% This work consists of all files listed in manifest.txt.

in that place. In the absence of an unequivocal list it might be impossible for

the licensee to determine what is considered by you to comprise the Work and, in

such a case, the licensee would be entitled to make reasonable conjectures as to

which files comprise the Work.

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IN THE SOFTWARE

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(Python programming language 2.7.17)

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(pypi/setuptools 44.0.0, pypi/setuptools 45.2.0)

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(PyTZ - Python Time Zone Library 2017.2)

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(PyTZ - Python Time Zone Library 2021.1)

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(python3.6-minimal 3.6.6~rc1)

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Upstream-Contact: Kirill Simonov <xi@resolvent.net>

Source: https://github.com/yaml/libyaml

Files: *

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Using MySQL Client Libraries (the "FLOSS Exception").

Version 0.6, 7 March 2007

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semantics are as close as possible to those of the Perl 5 language.

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

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

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(lsof 4.93.2, pigz 2.4, python3.6-minimal 3.6.6 \sim rc1, Simple DirectMedia Layer 2.0.10, zlib 1.2.11)

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