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Mongodb v4.2.1

SpringCloud Finchley.RELEASE

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Vue 2.6.10

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MySQL 8.0

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in

"src/lib/gssapi", including the following files:

   lib/gssapi/generic/gssapi\_err\_generic.et

   lib/gssapi/mechglue/g\_accept\_sec\_context.c

   lib/gssapi/mechglue/g\_acquire\_cred.c

   lib/gssapi/mechglue/g\_canon\_name.c

   lib/gssapi/mechglue/g\_compare\_name.c

   lib/gssapi/mechglue/g\_context\_time.c

   lib/gssapi/mechglue/g\_delete\_sec\_context.c

   lib/gssapi/mechglue/g\_dsp\_name.c

   lib/gssapi/mechglue/g\_dsp\_status.c

   lib/gssapi/mechglue/g\_dup\_name.c

   lib/gssapi/mechglue/g\_exp\_sec\_context.c

   lib/gssapi/mechglue/g\_export\_name.c

   lib/gssapi/mechglue/g\_glue.c

   lib/gssapi/mechglue/g\_imp\_name.c

   lib/gssapi/mechglue/g\_imp\_sec\_context.c

   lib/gssapi/mechglue/g\_init\_sec\_context.c

   lib/gssapi/mechglue/g\_initialize.c

   lib/gssapi/mechglue/g\_inquire\_context.c

   lib/gssapi/mechglue/g\_inquire\_cred.c

   lib/gssapi/mechglue/g\_inquire\_names.c

   lib/gssapi/mechglue/g\_process\_context.c

   lib/gssapi/mechglue/g\_rel\_buffer.c

   lib/gssapi/mechglue/g\_rel\_cred.c

   lib/gssapi/mechglue/g\_rel\_name.c

   lib/gssapi/mechglue/g\_rel\_oid\_set.c

   lib/gssapi/mechglue/g\_seal.c

   lib/gssapi/mechglue/g\_sign.c

   lib/gssapi/mechglue/g\_store\_cred.c

   lib/gssapi/mechglue/g\_unseal.c

   lib/gssapi/mechglue/g\_userok.c

   lib/gssapi/mechglue/g\_utils.c

   lib/gssapi/mechglue/g\_verify.c

   lib/gssapi/mechglue/gssd\_pname\_to\_uid.c

   lib/gssapi/mechglue/mglueP.h

   lib/gssapi/mechglue/oid\_ops.c

   lib/gssapi/spnego/gssapiP\_spnego.h

   lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including

the following new or changed files:

   include/iprop\_hdr.h

   kadmin/server/ipropd\_svc.c

   lib/kdb/iprop.x

   lib/kdb/kdb\_convert.c

   lib/kdb/kdb\_log.c

   lib/kdb/kdb\_log.h

   lib/krb5/error\_tables/kdb5\_err.et

   slave/kpropd\_rpc.c

   slave/kproplog.c

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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 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 the Program, and are irrevocable provided the stated

conditions are met.  This License explicitly affirms your unlimited

permission to run the unmodified Program.  The output from running

a covered work is covered by this License only 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.

  You may make, run and propagate covered works that you do not convey,

without 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 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 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 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.  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 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 making exceptions from one or more of its conditions.

Additional permissions that are applicable to the entire Program

shall be treated as though they were included in this License, to

the extent that they are valid under applicable law.  If additional

permissions apply only to part of the Program, that part may be

used separately under those permissions, but the entire Program

remains governed by this License without regard to the additional

permissions.

  When you convey a copy of a covered work, you may at your option

remove any additional permissions from that copy, or from any part

of it.  (Additional permissions may be written to require their own

removal in certain cases when you modify the work.)  You may place

additional permissions on material, added by you to a covered work,

for which you have or can give appropriate copyright permission.

  Notwithstanding any other provision of this License, for material

you add to a covered work, you may (if authorized by the copyright

holders of that material) supplement the terms of this License with

terms:

    a) Disclaiming warranty or limiting liability differently from

    the terms of sections 15 and 16 of this License; or

    b) Requiring preservation of specified reasonable legal notices

    or author attributions in that material or in the Appropriate

    Legal Notices displayed by works containing it; or

    c) Prohibiting misrepresentation of the origin of that material,

    or requiring that modified versions of such material be marked

    in reasonable ways as different from the original version; or

    d) Limiting the use for publicity purposes of names of licensors

    or authors of the material; or

    e) Declining to grant rights under trademark law for use of some

    trade names, trademarks, or service marks; or

    f) Requiring indemnification of licensors and authors of that

    material by anyone who conveys the material (or modified versions

    of it) with contractual assumptions of liability to the

    recipient, for any liability that these contractual assumptions

    directly impose on those licensors and authors.

  All other non-permissive additional terms are considered "further

restrictions" within the meaning of section 10.  If the Program as

you received it, or any part of it, contains a notice stating that

it is governed by this License along with a term that is a further

restriction, you may remove that term.  If a license document

contains a further restriction but permits relicensing or conveying

under this License, you may add to a covered work material governed

by the terms of that license document, provided that the further

restriction does not survive 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 separately written license, or stated as exceptions;

the above requirements apply either way.

  8. Termination.

  You may not propagate or modify a covered work except as expressly

provided under this License.  Any attempt otherwise to propagate

or modify it is void, and will automatically terminate your rights

under this License (including any patent licenses granted under the

third paragraph of section 11).

  However, if you cease all violation of this License, then your

license from a particular copyright holder is reinstated (a)

provisionally, unless and until the copyright holder explicitly and

finally terminates your license, and (b) permanently, if the copyright

holder fails to notify you of the violation by some reasonable means

prior to 60 days after the cessation.

  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 this License (for any work) from

that copyright holder, and you cure the violation prior to 30 days

after your receipt of the notice.

  Termination of your rights under this section does not terminate

the licenses of parties who have received copies or rights from you

under this License.  If your rights have been terminated and not

permanently reinstated, you do not qualify to receive new licenses

for the same material under section 10.

  9. Acceptance Not Required for Having Copies.

  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 not require acceptance.  However,

nothing other than this License grants you permission to propagate or

modify any covered work.  These actions infringe copyright if you do

not accept this License.  Therefore, by modifying or propagating a

covered work, you indicate your acceptance of this License to do so.

  10. Automatic Licensing of Downstream Recipients.

  Each time you convey a covered work, the recipient automatically

receives a license from the original licensors, to run, modify and

propagate that work, subject to this License.  You are not responsible

for enforcing compliance by third parties with this License.

  An "entity transaction" is a transaction transferring control of an

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

organization, or merging organizations.  If propagation of a covered

work results from an entity transaction, each party to that

transaction who receives a copy of the work also receives whatever

licenses to the work the party's predecessor in interest had or could

give under the previous paragraph, plus a right to possession of the

Corresponding Source of the work from the predecessor in interest, if

the predecessor has it or can get it with reasonable efforts.

  You may not impose any further restrictions on the exercise of the

rights granted or affirmed under this License.  For example, you

may not impose a license fee, royalty, or other charge for exercise

of rights granted under this License, and you may not initiate

litigation (including a cross-claim or counterclaim in a lawsuit)

alleging that any patent claim is infringed by making, using,

selling, offering for sale, or importing the Program or any portion

of it.

  11. Patents.

  A "contributor" is a copyright holder who authorizes use under this

License of the Program or a work on which the Program is based.  The

work thus licensed is called the contributor's "contributor version".

  A contributor's "essential patent claims" are all patent claims

owned or controlled by the contributor, whether already acquired

or hereafter acquired, that would be infringed by some manner,

permitted by this License, of making, using, or selling its contributor

version, but do not include claims that would be infringed only as

a consequence of further modification of the contributor version.

For purposes of this definition, "control" includes the right to

grant patent sublicenses in a manner consistent with the requirements

of this License.

  Each contributor grants you a non-exclusive, worldwide, royalty-free

patent license under the contributor's essential patent claims, to

make, use, sell, offer for sale, import and otherwise run, modify

and propagate the contents of its contributor version.

  In the following three paragraphs, a "patent license" is any express

agreement or commitment, however denominated, not to enforce a

patent (such as an express permission to practice a patent or

covenant not to sue for patent infringement).  To "grant" such a

patent license to a party means to make such an agreement or

commitment not to enforce a patent against the party.

  If you convey a covered work, knowingly relying on a patent license,

and the Corresponding Source of the work is not available for anyone

to copy, free of charge and under the terms of this License, through

a publicly available network server or other readily accessible

means, then you must either (1) cause the Corresponding Source to

be so available, or (2) arrange to deprive yourself of the benefit

of the patent license for this particular work, or (3) arrange, in

a manner consistent with the requirements of this License, to extend

the patent license to downstream recipients.  "Knowingly relying"

means you have actual knowledge that, but for the patent license,

your conveying the covered work in a country, or your recipient's

use of the covered work in a country, would infringe 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 convey, or propagate by procuring conveyance of,

a covered work, and grant a patent license to some of the parties

receiving the covered work authorizing them to use, propagate,

modify or convey a specific copy of the covered work, then the

patent license you grant is automatically extended to all recipients

of the covered work and works based on it.

  A patent license is "discriminatory" if it does not include within

the scope of its coverage, prohibits the exercise of, or is conditioned

on the non-exercise of one or more of the rights that are specifically

granted under this License.  You may not convey a covered work if

you are a party to an arrangement with a third party that is in the

business of distributing software, under which you make payment to

the third party based on the extent of your activity of conveying

the work, and under which the third party grants, to any of the

parties who would receive the covered work from you, a discriminatory

patent license (a) in connection with copies of the covered work

conveyed by you (or copies made from those copies), or (b) primarily

for and in connection with specific products or compilations that

contain the covered work, unless you entered into that arrangement,

or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting

any implied license or other defenses to infringement that may

otherwise be available to you under applicable patent law.

  12. No Surrender of Others' Freedom.

  If conditions are imposed on you (whether by court order, agreement

or otherwise) that contradict the conditions of this License, they

do not excuse you from the conditions of this License.  If you

cannot convey a covered work so as to satisfy simultaneously your

obligations under this License and any other pertinent obligations,

then as a consequence you may not convey it at all.  For example,

if you agree to terms that obligate you to collect a royalty for

further conveying from those to whom you convey the Program, the

only way you could satisfy both those terms and this License would

be to refrain entirely from conveying the Program.

  13. Use with the GNU Affero General Public License.

  Notwithstanding any other provision of this License, you have

permission to link or combine any covered work with a work licensed

under version 3 of the GNU Affero General Public License into a

single combined work, and to convey the resulting work.  The terms

of this License will continue to apply to the part which is the

covered work, but the special requirements of the GNU Affero General

Public License, section 13, concerning interaction through a network

will apply to the combination as such.

  14. Revised Versions of this License.

  The Free Software Foundation may publish revised and/or new versions

of the GNU General Public License from time to time.  Such new

versions will be similar in spirit to the present version, but may

differ in detail to address new problems or concerns.

  Each version is given a distinguishing version number.  If the

Program specifies that a certain numbered version of the GNU General

Public License "or any later version" applies to it, you have the

option of following the terms and conditions either of that numbered

version or of any later version published by the Free Software

Foundation.  If the Program does not specify a version number of

the GNU General Public License, you may choose any version ever

published by the Free Software Foundation.

  If the Program specifies that a proxy can decide which future

versions of the GNU General Public License can be used, that proxy's

public statement of acceptance of a version permanently authorizes

you to choose that version for the Program.

  Later license versions may give you additional or different

permissions.  However, no additional obligations are imposed on any

author or copyright holder as a result of your choosing to follow

a later version.

  15. Disclaimer of Warranty.

  THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY

APPLICABLE LAW.  EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT

HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT

WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT

NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS

FOR A PARTICULAR PURPOSE.  THE ENTIRE RISK AS TO THE QUALITY AND

PERFORMANCE OF THE PROGRAM IS WITH YOU.  SHOULD THE PROGRAM PROVE

DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR

OR CORRECTION.

  16. Limitation of Liability.

  IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING

WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR

CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,

INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES

ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING

BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE

OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE

PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER

OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

  17. Interpretation of Sections 15 and 16.

  If the disclaimer of warranty and limitation of liability provided

above cannot be given local legal effect according to their terms,

reviewing courts shall apply local law that most closely approximates

an absolute waiver of all civil liability in connection with the

Program, unless a warranty or assumption of liability accompanies a

copy of the Program in return for a fee.

                     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>

    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.

    This program is distributed in the hope that it will be useful,

    but WITHOUT ANY WARRANTY; without even the implied warranty of

    MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the

    GNU General Public License for more details.

    You should have received a copy of the GNU General Public License

    along with this program.  If not, see

    <http://www.gnu.org/licenses/>.

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:

    <program>  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".

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

school, if any, to sign a "copyright disclaimer" for the program,

if necessary. For more information on this, and how to apply and

follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your

program into proprietary programs.  If your program is a subroutine

library, you may consider it more useful to permit linking proprietary

applications with the library.  If this is what you want to do, use

the GNU Lesser General Public License instead of this License.  But

first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (c) 2009 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of

this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional

permission under section 7 of the GNU General Public License, version

3 ("GPLv3"). It applies to a given file (the "Runtime Library")

that bears a notice placed by the copyright holder of the file

stating that the file is governed by GPLv3 along with this Exception.

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

certain GCC header files and runtime libraries with the compiled

program. The purpose of this Exception is to allow compilation of

non-GPL (including proprietary) programs to use, in this way, the

header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime

Library for execution after a Compilation Process, or makes use of

an interface provided by the Runtime Library, but is not otherwise

based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without

modifications, governed by version 3 (or a specified later version)

of the GNU General Public License (GPL) with the option of using

any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation,

modification and use would permit combination with GCC in accord

with the license of GCC.

"Target Code" refers to output from any compiler for a real or

virtual target processor architecture, in executable form or suitable

for input to an assembler, loader, linker and/or execution phase.

Notwithstanding that, Target Code does not include data in any

format that is used as a compiler intermediate representation, or

used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in

non-intermediate languages designed for human-written code, and/or

in Java Virtual Machine byte code, into Target Code. Thus, for

example, use of source code generators and preprocessors need not

be considered part of the Compilation Process, since the Compilation

Process can be understood as starting with the output of the

generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone

or with other GPL-compatible software, or if it is done without

using any work based on GCC. For example, using non-GPL-compatible

Software to optimize any GCC intermediate representations would not

qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by

combining the Runtime Library with Independent Modules, even if

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libssh v0.7.3

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re included

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    its purpose remains meaningful.

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Markus Kuhn -- 2007-05-26 (Unicode 5.0)

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be combined with the library in order to run.

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   TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

  0. 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

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 these conditions:

    a) The modified work must itself be a software library.

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

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

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

    charge to all third parties under the terms of this License.

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

    table of data to be supplied by an application program that uses

    the facility, other than as an argument passed when the facility

    is invoked, then you must make a good faith effort to ensure that,

    in the event an application does not supply such function or

    table, the facility still operates, and performs whatever part of

    its purpose remains meaningful.

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

    a purpose that is entirely well-defined independent of the

    application.  Therefore, Subsection 2d requires that any

    application-supplied function or table used by this function must

    be optional: if the application does not supply it, the square

    root function must still compute square roots.)

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

identifiable sections of that work are not derived from the Library,

and can be reasonably considered independent and separate works in

themselves, then this License, and its terms, do not apply to those

sections when you distribute them as separate works.  But when you

distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of

this License, whose permissions for other licensees extend to the

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

it.

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

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

exercise the right to control the distribution of derivative or

collective works based on the Library.

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

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

a storage or distribution medium does not bring the other work under

the scope of this License.

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

License instead of this License to a given copy of the Library.  To do

this, you must alter all the notices that refer to this License, so

that they refer to the ordinary GNU General Public License, version 2,

instead of to this License.  (If a newer version than version 2 of the

ordinary GNU General Public License has appeared, then you can specify

that version instead if you wish.)  Do not make any other change in

these notices.

  Once this change is made in a given copy, it is irreversible for

that copy, so the ordinary GNU General Public License applies to all

subsequent copies and derivative works made from that copy.

  This option is useful when you wish to copy part of the code of

the Library into a program that is not a library.

  4. You may copy and distribute the Library (or a portion or

derivative of it, under Section 2) in object code or executable form

under the terms of Sections 1 and 2 above provided that you accompany

it with the complete corresponding machine-readable source code, which

must be distributed under the terms of Sections 1 and 2 above on a

medium customarily used for software interchange.

  If distribution of object code is made by offering access to copy

from a designated place, then offering equivalent access to copy the

source code from the same place satisfies the requirement to

distribute the source code, even though third parties are not

compelled to copy the source along with the object code.

  5. A program that contains no derivative of any portion of the

Library, but is designed to work with the Library by being compiled or

linked with it, is called a "work that uses the Library".  Such a

work, in isolation, is not a derivative work of the Library, and

therefore falls outside the scope of this License.

  However, linking a "work that uses the Library" with the Library

creates an executable that is a derivative of the Library (because it

contains portions of the Library), rather than a "work that uses the

library".  The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

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

that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be

linked without the Library, or if the work is itself a library.  The

threshold for this to be true is not precisely defined by law.

  If such an object file uses only numerical parameters, data

structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative

work.  (Executables containing this object code plus portions of the

Library will still fall under Section 6.)

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

distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.

  6. As an exception to the Sections above, you may also combine or

link a "work that uses the Library" with the Library to produce a

work containing portions of the Library, and distribute that work

under terms of your choice, provided that the terms permit

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

engineering for debugging such modifications.

  You must give prominent notice with each copy of the work that the

Library is used in it and that the Library and its use are covered by

this License.  You must supply a copy of this License.  If the work

during execution displays copyright notices, you must include the

copyright notice for the Library among them, as well as a reference

directing the user to the copy of this License.  Also, you must do one

of these things:

    a) Accompany the work with the complete corresponding

    machine-readable source code for the Library including whatever

    changes were used in the work (which must be distributed under

    Sections 1 and 2 above); and, if the work is an executable linked

    with the Library, with the complete machine-readable "work that

    uses the Library", as object code and/or source code, so that the

    user can modify the Library and then relink to produce a modified

    executable containing the modified Library.  (It is understood

    that the user who changes the contents of definitions files in the

    Library will not necessarily be able to recompile the application

    to use the modified definitions.)

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

    Library.  A suitable mechanism is one that (1) uses at run time a

    copy of the library already present on the user's computer system,

    rather than copying library functions into the executable, and (2)

    will operate properly with a modified version of the library, if

    the user installs one, as long as the modified version is

    interface-compatible with the version that the work was made with.

    c) Accompany the work with a written offer, valid for at

    least three years, to give the same user the materials

    specified in Subsection 6a, above, for a charge no more

    than the cost of performing this distribution.

    d) If distribution of the work is made by offering access to copy

    from a designated place, offer equivalent access to copy the above

    specified materials from the same place.

    e) Verify that the user has already received a copy of these

    materials or that you have already sent this user a copy.

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

Library" must include any data and utility programs needed for

reproducing the executable from it.  However, as a special exception,

the materials to be distributed need not include anything that is

normally distributed (in either source or binary form) with the major

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

which the executable runs, unless that component itself accompanies

the executable.

  It may happen that this requirement contradicts the license

restrictions of other proprietary libraries that do not normally

accompany the operating system.  Such a contradiction means you cannot

use both them and the Library together in an executable that you

distribute.

  7. You may place library facilities that are a work based on the

Library side-by-side in a single library together with other library

facilities not covered by this License, and distribute such a combined

library, provided that the separate distribution of the work based on

the Library and of the other library facilities is otherwise

permitted, and provided that you do these two things:

    a) Accompany the combined library with a copy of the same work

    based on the Library, uncombined with any other library

    facilities.  This must be distributed under the terms of the

    Sections above.

    b) Give prominent notice with the combined library of the fact

    that part of it is a work based on the Library, and explaining

    where to find the accompanying uncombined form of the same work.

  8. You may not copy, modify, sublicense, link with, or distribute

the Library except as expressly provided under this License.  Any

attempt otherwise to copy, modify, sublicense, link with, or

distribute the Library is void, and will automatically terminate your

rights under this License.  However, parties who have received copies,

or rights, from you under this License will not have their licenses

terminated so long as such parties remain in full compliance.

  9. You are not required to accept this License, since you have not

signed it.  However, nothing else grants you permission to modify or

distribute the Library or its derivative works.  These actions are

prohibited by law if you do not accept this License.  Therefore, by

modifying or distributing the Library (or any work based on the

Library), you indicate your acceptance of this License to do so, and

all its terms and conditions for copying, distributing or modifying

the Library or works based on it.

  10. Each time you redistribute the Library (or any work based on the

Library), the recipient automatically receives a license from the

original licensor to copy, distribute, link with or modify the Library

subject to these terms and conditions.  You may not impose any further

restrictions on the recipients' exercise of the rights granted herein.

You are not responsible for enforcing compliance by third parties with

this License.

  11. If, as a consequence of a court judgment or allegation of patent

infringement or for any other reason (not limited to patent issues),

conditions are imposed on you (whether by court order, agreement or

otherwise) that contradict the conditions of this License, they do not

excuse you from the conditions of this License.  If you cannot

distribute so as to satisfy simultaneously your obligations under this

License and any other pertinent obligations, then as a consequence you

may not distribute the Library at all.  For example, if a patent

license would not permit royalty-free redistribution of the Library by

all those who receive copies directly or indirectly through you, then

the only way you could satisfy both it and this License would be to

refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under

any particular circumstance, the balance of the section is intended

to apply, and the section as a whole is intended to apply in other

circumstances.

It is not the purpose of this section to induce you to infringe any

patents or other property right claims or to contest validity of any

such claims; this section has the sole purpose of protecting the

integrity of the free software distribution system which is

implemented by public license practices.  Many people have made

generous contributions to the wide range of software distributed

through that system in reliance on consistent application of that

system; it is up to the author/donor to decide if he or she is willing

to distribute software through any other system and a licensee cannot

impose that choice.

This section is intended to make thoroughly clear what is believed to

be a consequence of the rest of this License.

  12. If the distribution and/or use of the Library is restricted in

certain countries either by patents or by copyrighted interfaces, the

original copyright holder who places the Library under this License

may add an explicit geographical distribution limitation excluding

those countries, so that distribution is permitted only in or among

countries not thus excluded.  In such case, this License incorporates

the limitation as if written in the body of this License.

  13. The Free Software Foundation may publish revised and/or new

versions of the Lesser General Public License from time to time.

Such new versions will be similar in spirit to the present version,

but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number.  If the Library

specifies a version number of this License which applies to it and

"any later version", you have the option of following the terms and

conditions either of that version or of any later version published by

the Free Software Foundation.  If the Library does not specify a

license version number, you may choose any version ever published by

the Free Software Foundation.

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

programs whose distribution conditions are incompatible with these,

write to the author to 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 status

of all derivatives of our free software and of promoting the sharing

and reuse of software generally.

                            NO WARRANTY

  15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO

WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.

EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR

OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY

KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR

PURPOSE.  THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE

LIBRARY IS WITH YOU.  SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME

THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

  16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN

WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY

AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU

FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR

CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE

LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING

RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A

FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF

SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH

DAMAGES.

                     END OF TERMS AND CONDITIONS

           How to Apply These Terms to Your New Libraries

  If you develop a new library, and you want it to be of the greatest

possible use to the public, we recommend making it free software that

everyone can redistribute and change.  You can do so by permitting

redistribution under these 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 safest to attach them to the start of each source file to most

effectively convey 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 library's name and a brief idea of what it does.>

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

    This library is free software; you can redistribute it and/or

    modify it under the terms of the GNU Lesser General Public

    License as published by the Free Software Foundation; either

    version 2.1 of the License, or (at your option) any later version.

    This library is distributed in the hope that it will be useful,

    but WITHOUT ANY WARRANTY; without even the implied warranty of

    MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU

    Lesser General Public License for more details.

    You should have received a copy of the GNU Lesser General Public

    License along with this library; if not, write to the Free Software

    Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA

    02110-1301  USA

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!

GNU Lesser General Public License Version 2, June 1991

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

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51 Franklin St, Fifth Floor, Boston, MA  02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies

of this license document, but changing it is not allowed.

[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

share 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 Library General Public License, applies to some specially

designated Free Software Foundation software, and to any other libraries

whose authors 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

License for libraries did not effectively promote software sharing, because

most developers did not use the libraries. We concluded that weaker

conditions might promote sharing better.

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

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

themselves. This Library General Public License is intended to permit

developers of non-free programs to use free libraries, while preserving your

freedom as a user of such programs to change the free libraries that are

incorporated in them. (We have not seen how to achieve this as regards

changes in header files, but we have achieved it as regards changes in the

actual functions of the Library.) The hope is that this will lead to faster

development of free libraries.

The precise terms and conditions for copying, distribution and modification

follow. Pay close attention to the difference between a "work based on the

library" and a "work that uses the library". The former contains code derived

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

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

Public License rather than by this special one.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. 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 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 these conditions:

    a) The modified work must itself be a software library.

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

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

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

all third parties under the terms of this License.

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

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

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

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

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

whatever part of its purpose remains meaningful.

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

purpose that is entirely well-defined independent of the application.

Therefore, Subsection 2d requires that any application-supplied function or

table used by this function must be optional: if the application does not

supply it, the square root function must still compute square roots.)

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

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

considered independent and separate works in themselves, then this License,

and its terms, do not apply to those sections when you distribute them as

separate works. But when you distribute the same sections as part of a whole

which is a work based on the Library, the distribution of the whole must be

on the terms of this License, whose permissions for other licensees extend to

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

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

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

right to control the distribution of derivative or collective works based on

the Library.

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

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

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

License.

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

instead of this License to a given copy of the Library. To do this, you must

alter all the notices that refer to this License, so that they refer to the

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

(If a newer version than version 2 of the ordinary GNU General Public License

has appeared, then you can specify that version instead if you wish.) Do not

make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy,

so the ordinary GNU General Public License applies to all subsequent copies

and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library

into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it,

under Section 2) in object code or executable form under the terms of

Sections 1 and 2 above provided that you accompany it with the complete

corresponding machine-readable source code, which must be distributed under

the terms of Sections 1 and 2 above on a medium customarily used for software

interchange.

If distribution of object code is made by offering access to copy from a

designated place, then offering equivalent access to copy the source code

from the same place satisfies the requirement to distribute the source code,

even though third parties are not compelled to copy the source along with the

object code.

5. A program that contains no derivative of any portion of the Library, but

is designed to work with the Library by being compiled or linked with it, is

called a "work that uses the Library". Such a work, in isolation, is not a

derivative work of the Library, and therefore falls outside the scope of this

License.

However, linking a "work that uses the Library" with the Library creates an

executable that is a derivative of the Library (because it contains portions

of the Library), rather than a "work that uses the library". The executable

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

of such executables.

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

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

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

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

the work is itself a library. The threshold for this to be true is not

precisely defined by law.

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

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

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

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

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

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

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

containing that work also fall under Section 6, whether or not they are

linked directly with the Library itself.

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

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

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

provided that the 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

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