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```

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1.4 ubuntu-keyring 2021.03.26

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1.5 sensible-utils 0.0.17

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1.6 libffi8 3.4.2-4

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1.7 libsemanage2 3.3-1build2

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1.9 usrmerge 25ubuntu2

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hostname -- set the host name or show the host/domain name

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1.11 xz 5.2.5-2ubuntu1

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Ty Coon, President of Vice
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1.14 libsepol 3.3-1build1

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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

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

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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:

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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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the 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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1.16 libnsl 1.3.0-2build2

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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.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding

machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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1.17 libffi 3.4.2-4

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1.18 libnettle6 3.7.3-1build2

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1.20 init-system-helpers 1.62

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1.21 libseccomp 2.5.3-2ubuntu2

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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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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.)

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

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.

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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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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1.22 findutils 4.8.0-1ubuntu3

1.22.1 Available under license :

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(1)

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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

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.

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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.

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1. Source Code.

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

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers 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

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The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

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section 10

makes it unnecessary.

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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.

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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.

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1.24 libcap-ng 0.7.9-2.2build3

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1.28 pcre 8.39-13ubuntu0.22.04.1

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1.29 libtasn 4.18.0-4build1

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1.31 diffutils 3.8-Ubuntu2

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1.34 libsepol2 3.3-1build1

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1.35 sed 4.8-1ubuntu2

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

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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'.  
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```

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1.36 keyutils 1.6.1-2ubuntu3

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.37 lz4 1.9.3-2build2

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: *

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1.38 debianutils 5.5-1ubuntu2

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```
*
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*
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*
*/
```

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```

Found in path(s):

```
* /opt/cola/permits/1343603013_1655136462.2288256/0/debianutils-5-5-orig-tar-xz/debianutils-5.5/po4a/it/run-
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```

Found in path(s):

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* /opt/cola/permits/1343603013_1655136462.2288256/0/debianutils-5-5-orig-tar-xz/debianutils-5.5/po4a/fr/run-
parts.8
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```

```
/* ischroot: detect if running in a chroot
```

```
*
* Debian ischroot program
* Copyright (C) 2011 Aurelien Jarno <aurel32@debian.org>
* Copyright (C) 2015 Andreas Henriksson <andreas@fatal.se>
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1343603013_1655136462.2288256/0/debianutils-5-5-orig-tar-xz/debianutils-5.5/ischroot.c
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1.39 acl 2.3.1-1

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```

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1.41 grep 3.7-1build1

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1.44 cdebconf 0.261ubuntu1

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1.45 Isb 11.1.0ubuntu4

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1.47 mawk 1.3.4.20200120-3

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```

```
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1.48 tdb 1.46.5

1.48.1 Available under license :

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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#

This is a Makefile stub which handles the creation of BSD shared # libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;'"/\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

@echo " INSTALL_PROGRAM \$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)"

@\$(INSTALL_PROGRAM) \$(BSD_LIB) \

\$(DESTDIR)\$\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD_LIB)

\$(RM) -f ../\$(BSD_LIB)

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.

+ trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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Theodore Ts'o
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Activities

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1993 Christopher Seiwald seiwald@vix.com
2000, 2002 Christopher Seiwald <seiwald@perforce.com>
2010 Steve Bennett <steveb@workware.net.au>
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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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grady@northcoast.com

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Date: Sat, 08 Jul 2000 20:27:21
+0100
From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

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> Wordlist With Frequency Classification" word list as it seems to
> be lacking any copyright notice.

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Date: Tue, 11 Jul 2000 19:31:34 +0100

> So are you saying your word list is also in the public domain?

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The 20 level includes frequency classes 7-15 from Brian's word list.

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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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1.60 cracklib 2.9.6-3.4build4

1.60.1 Available under license :

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data

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

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

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from <http://sourceforge.net/projects/cracklib>

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Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
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Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

EFFECTIVE

OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't
actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=

eir=20

applications are also GPL-2 which imo is just wrong. it isnt the place of =

a=20

library to dictact to application writes what license they should be using.=

=20

thus LGPL-2.1 enters to fill this void.

=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

>

Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

> > I understand that, and you're welcome to bring it up with Alec

> directly

> > and see if he wants to relicense his code as LGPL... but at this

> point,

> > it was enough to just get it consistent and documented as to what

> it was

> > released under. This wasn't actually a license change, just a

> > clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was

> not

> GPL-2 ... it was a modified artistic license ... i didnt notice the

> license

> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt
the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would

like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches

and a small

>> bit of
>> additional code, so whatever licensing y'all come up with is fine
>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

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> linked with any code, not just GPL...

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In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro
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>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.

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>> I am sympathetic. Guys, what do you reckon?

>>
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>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message

as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.

>>

>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
>> make the change now ?

>

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use
nneul@neulinger.org.

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct
2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id I1cOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status:
RO
Content-Length: 585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

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> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

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Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

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I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I
think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct

license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

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>> maintainers to get together with Alec in a conversation and come to a
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Attachments: Message as HTML

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The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From
alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from

[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.61 pcre 10.39-3ubuntu0.1

1.61.1 Available under license :

PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

Copyright (c) 1997-2016 University
of Cambridge
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PCRE JUST-IN-TIME COMPILATION SUPPORT

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

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STACK-LESS JUST-IN-TIME COMPILER

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

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THE C++ WRAPPER FUNCTIONS

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End

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End

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1.62 gzip 1.10-4ubuntu4.1

1.62.1 Available under license :

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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 General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them 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 prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: 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 is no warranty for this free software. For both users' and authors' sake, the 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

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.

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The

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```

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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under certain conditions; type `show c' for details.
```

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1.63 zlib 1.2.11.dfsg-2ubuntu9.2

1.63.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/* gzlog.h  
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved  
version 2.2, 14 Aug 2012
```

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Mark Adler madler@alumni.caltech.edu

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.h

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/* inflate.c -- zlib decompression

* Copyright (C) 1995-2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c

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/* unzip.c -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - (<http://www.winimage.com/zLibDll/minizip.html>)

Copyright (C) 1998-2010 Gilles Vollant (<http://www.winimage.com/zLibDll/minizip.html>)

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)

For more info read MiniZip_info.txt

Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.

Code woven in by Terry Thorsen 1/2003.

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See the accompanying

file LICENSE, version 2000-Apr-09 or later
(the contents of which are also included in zip.h) for terms of use.
If, for some reason, all these files are missing, the Info-ZIP license
also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>

crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the
non-echoing password parts) were originally written in Europe. The
whole source package can be freely distributed, including from the USA.
(Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from
Roger Schlafly, described by Phil Katz in the file appnote.txt. This
file (appnote.txt) is distributed with the PKZIP program (even in the
version without encryption capabilities).

Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl_unzGetCurrentFileZStreamPos
2007-2008 - Even Rouault - Decoration of symbol names unz* -> cpl_unz*
2007-2008 - Even Rouault - Remove old C style function prototypes
2007-2008 - Even Rouault - Add unzip support for ZIP64

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Oct-2009 - Mathias Svensson - Removed cpl_* from symbol names (Even Rouault added them but since this is
now moved to a new project (minizip64) I renamed them again).

Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G
should only read the compressed/uncompressed size from the Zip64 format if
the size from normal header was 0xFFFFFFFF

Oct-2009 - Mathias Svensson - Applied some bug fixes from patches received from Gilles Vollant

Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method
BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

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*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/contrib/minizip/unzip.c

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```
/* zip.h -- IO on .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )
```

Copyright (C) 1998-2010 Gilles Vollant (minizip) (<http://www.winimage.com/zLibDll/minizip.html>)

Modifications for Zip64 support
Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)

For more info read MiniZip_info.txt

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Changes

See header of zip.h

*/

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/zip.h
```

No license file was found, but licenses were detected in source scan.

```
/* trees.c -- output deflated data using Huffman coding
```

* Copyright (C) 1995-2017 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c
No license file was found, but licenses were detected in source scan.

/* fitblk.c: example of fitting compressed output to a specified size
Not copyrighted -- provided to the public domain
Version 1.1 25 November 2004 Mark Adler */

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c
No license file was found, but licenses were detected in source scan.

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Altered source versions must be plainly marked as such, and must not be
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Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3
No license file was found, but licenses were detected in source scan.

/* inftrees.c -- generate Huffman trees for efficient decoding
* Copyright (C) 1995-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infrees.c
No license file was found, but licenses were detected in source scan.

/* gzwrite.c -- zlib functions for writing gzip files
* Copyright (C) 2004-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c
No license file was found, but licenses were detected in source scan.

Not copyrighted -- provided to the public domain

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zlib_how.html
```

No license file was found, but licenses were detected in source scan.

```
/* uncompr.c -- decompress a memory buffer
```

```
* Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
Additional tools for Minizip
```

```
Code: Xavier Roche '2004
```

```
License: Same as ZLIB (www.gzip.org)
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.h
```

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.c
```

No license file was found, but licenses were detected in source scan.

```
/* zran.c -- example of zlib/gzip stream indexing and random access
```

```
* Copyright (C) 2005, 2012 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
Version 1.1 29 Sep 2012 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzguts.h -- zlib internal header definitions for gz* operations
```

```
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h
```

No license file was found, but licenses were detected in source scan.

```
/* gzappend -- command to append to a gzip file
```

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version 1.2, 11 Oct 2012

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Mark Adler madler@alumni.caltech.edu

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

No license file was found, but licenses were detected in source scan.

For conditions of distribution and use, see copyright notice in zlib.h

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/Makefile.emx

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx

No license file was found, but licenses were detected in source scan.

/* Adler32.c -- compute the Adler-32 checksum of a data stream

* Copyright (C) 1995-2011, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c

No license file was found, but licenses were detected in source scan.

```
/* inflate.h -- internal inflate state definition
* Copyright (C) 1995-2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h
No license file was found, but licenses were detected in source scan.
```

```
/* zconf.h -- configuration of the zlib compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein
No license file was found, but licenses were detected in source scan.
```

```
/*
* gzlog.c
* Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved
* For conditions of distribution and use, see copyright notice in gzlog.h
* version 2.2, 14 Aug 2012
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.c
No license file was found, but licenses were detected in source scan.
```

```
/* infcover.c -- test zlib's inflate routines with full code coverage
* Copyright (C) 2011, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/infcover.c
No license file was found, but licenses were detected in source scan.
```

```
/* gzlib.c -- zlib functions common to reading and writing gzip files
* Copyright (C) 2004-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
```

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c

No license file was found, but licenses were detected in source scan.

MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

Introduction

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant (<http://www.winimage.com/zLibDll/minizip.html>)

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0. All possible work was done for compatibility.

Background

When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal (<http://www.gdal.org/>)

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

Changed from MiniZip 1.0 to MiniZip 1.1

- * Added ZIP64 support for unzip (by Even Rouault)
- * Added ZIP64 support for zip (by Mathias Svensson)
- * Reverted some changed that Even Rouault did.
- * Bunch of patches received from Guller Vollant that he received for MiniZip from various users.
- * Added unzip patch for BZIP Compression method (patch create by Daniel Borca)
- * Added BZIP Compress method for zip
- * Did some refactoring and code cleanup

Credits

Gilles Vollant - Original MiniZip author
Even Rouault - ZIP64 unzip Support
Daniel Borca - BZip Compression method support in unzip
Mathias Svensson - ZIP64 zip support
Mathias Svensson - BZip Compression method support in zip

Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.
Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>
Zip File specification

Notes.

* To be able to use BZip compression method in
zip64.c or unzip64.c the BZIP2 lib is needed and HAVE_BZIP2 need to be defined.

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not be removed or altered from any source distribution.

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/contrib/minizip/MiniZip64_info.txt

No license file was found, but licenses were detected in source scan.

/* zutil.c -- target dependent utility functions for the compression library

* Copyright (C) 1995-2017 Jean-loup Gailly

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c

No license file was found, but licenses were detected in source scan.

```
/* zpipe.c: example of proper use of zlib's inflate() and deflate()
   Not copyrighted -- provided to the public domain
   Version 1.4 11 December 2005 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zpipe.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzjoin -- command to join gzip files into one gzip file
```

```
Copyright (C) 2004, 2005, 2012 Mark Adler, all rights reserved
version 1.2, 14 Aug 2012
```

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```
Mark Adler  madler@alumni.caltech.edu
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c
```

No license file was found, but licenses were detected in source scan.

```
/* zutil.h -- internal interface and configuration of the compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h
```

No license file was found, but licenses were detected in source scan.

```
/* gzread.c -- zlib functions for reading gzip files
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c
```

No license file was found, but licenses were detected in source scan.

```
/* gzclose.c -- zlib gzclose() function
* Copyright (C) 2004, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c
```

No license file was found, but licenses were detected in source scan.

```
/* inftrees.h -- header to use inftrees.c
* Copyright (C) 1995-2005, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infrees.h
```

No license file was found, but licenses were detected in source scan.

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017
```

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h

No license file was found, but licenses were detected in source scan.

/* infback.c -- inflate using a call-back interface

* Copyright (C) 1995-2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infback.c

No license file was found, but licenses were detected in source scan.

/* minigzip.c -- simulate gzip using the zlib compression library

* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minigzip.c

No license file was found, but licenses were detected in source scan.

Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page

<http://zlib.net/> which may have more recent information.

The latest zlib FAQ is at http://zlib.net/zlib_faq.html

1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file win32/DLL_FAQ.txt in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/> .

3. Where can I get a Visual Basic interface to zlib?

See

- * <http://marknelson.us/1997/01/01/zlib-engine/>
- * win32/DLL_FAQ.txt in the zlib distribution

4. compress() returns Z_BUF_ERROR.

Make sure that before the call of compress(), the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual Basic, check that this parameter is passed by reference ("as any"), not by value ("as long").

5. deflate() or inflate() returns Z_BUF_ERROR.

Before making the call, make sure that avail_in and avail_out are not zero. When setting the parameter flush equal to Z_FINISH, also make sure that avail_out is big enough to allow processing all pending input. Note that a Z_BUF_ERROR is not fatal--another call to deflate() or inflate() can be made with more input or output space. A Z_BUF_ERROR may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when strm.avail_out returns with zero. See http://zlib.net/zlib_how.html for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in zlib.h . Examples of zlib usage are in the files test/example.c and test/minigzip.c, with more in examples/ .

7. Why don't you use GNU autoconf or libtool or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.

8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at zlib@gzip.org . Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to gzputc"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files libz.* in /usr/lib, /usr/local/lib or /usr/X11R6/lib. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the contrib/delphi directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory contrib/minizip in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an uncompress or gunzip subprocess, or adapt the code of uncompress on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web

site: Joel Hainley, jhainley@myndkryme.com.

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/> . To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/> .

17. Why am I getting this "register_frame_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:
symbol __register_frame_info: referenced symbol not found
```

The symbol `__register_frame_info` is not part of zlib, it is generated by the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The compress and deflate functions produce data in the zlib format, which is different and incompatible with the gzip format. The `gz*` functions in zlib on the other hand use the gzip format. Both the zlib and gzip formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The gzip format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than gzip.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using `deflateInit2()`. You can also request that inflate decode the gzip format using `inflateInit2()`. Read `zlib.h` for more details.

21. Is zlib thread-safe?

Yes. However any library routines

that zlib uses and any application-

provided memory allocation routines must also be thread-safe. zlib's gz* functions use stdio library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's *Init* functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in zlib.h.

23. Is zlib under the GNU license?

No. Please read the license in zlib.h.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the ZLIB_VERSION and ZLIB_VERNUM #defines in zlib.h. In particular, the final version number needs to be changed to "f", and an identification string should be appended to ZLIB_VERSION. Version numbers x.x.x.f are reserved for modifications to zlib by others than the zlib maintainers. For example, if the version of the base zlib you are altering is "1.2.3.4", then in zlib.h you should change ZLIB_VERNUM to 0x123f, and ZLIB_VERSION to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in deflate.c and infrees.c.

For altered source distributions, you should also note the origin and nature of the changes in zlib.h, as well as in ChangeLog and README, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled zlib library along with zlib.h and zconf.h is also a source distribution, and so you should change ZLIB_VERSION and ZLIB_VERNUM and note the origin and nature of the changes in zlib.h as you would for a full source distribution.

25.

Will zlib work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will zlib work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to zlib@gzip.org

27. Will zlib decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than does PKZIP and zlib. However, you can look in zlib's contrib/blast directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use `Z_FULL_FLUSH`, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those points. You have to be careful to not use `Z_FULL_FLUSH` too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See `examples/zran.c`.

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's contrib/puff directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work with greater than 4 GB of data?

Yes. `inflate()` and `deflate()` will process any amount of data correctly. Each call of `inflate()` or `deflate()` is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the

strm.total_in and strm_total_out counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by inflate() or deflate(). The application can easily set up its own counters updated after each call of inflate() or deflate() to count beyond 4 GB. compress() and uncompress() may be limited to 4 GB, since they operate in a single call. gzseek() and gztell() may be limited to 4 GB depending on how zlib is compiled. See the zlibCompileFlags() function in zlib.h.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is 32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in gzprintf(). If zlib is compiled to use sprintf() or vsprintf(), then there is no protection against a buffer overflow of an 8K string space (or other value as set by gzbuffer()), other than the caller of gzprintf() assuring that the output will not exceed 8K. On the other hand, if zlib is compiled to use snprintf() or vsnprintf(), which should normally be the case, then there is no vulnerability. The ./configure script will display warnings if an insecure variation of sprintf() will be used by gzprintf(). Also the zlibCompileFlags() function will return information on what variant of sprintf() is used by gzprintf().

If you don't have snprintf() or vsnprintf() and would like one, you can find a portable implementation here:

<http://www.ijs.si/software/snprintf/>

Note that you should be using the most recent version of zlib. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of zlib?

Probably what you want is to use zlib in Java. zlib is already included as part of the Java SDK in the java.util.zip package. If you really want a version of zlib written in the Java language, look on the zlib home page for links: <http://zlib.net/> .

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers

were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that deflate is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of deflate is not affected. This only started showing up recently since zlib 1.2.x uses malloc() by default for allocations, whereas earlier versions used calloc(), which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed data format?

Probably not. Look in the comp.compression FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/>, which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ
No license file was found, but licenses were detected in source scan.
```

```
/* compress.c -- compress a memory buffer
* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c
No license file was found, but licenses were detected in source scan.
```

```
/* inffast.h -- header to use inffast.c
* Copyright (C) 1995-2003, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
```

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h
No license file was found, but licenses were detected in source scan.

/* gun.c -- simple gunzip to give an example of the use of inflateBack()
* Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
Version 1.7 12 August 2012 Mark Adler */

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c
No license file was found, but licenses were detected in source scan.

/* example.c -- usage example of the zlib compression library
* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/example.c
No license file was found, but licenses were detected in source scan.

/* deflate.c -- compress data using the deflation algorithm
* Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c
No license file was found, but licenses were detected in source scan.

/* crc32.c -- compute the CRC-32 of a data stream
* Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*
* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
* tables for updating the shift register in one step with three exclusive-ors
* instead of four steps with four exclusive-ors. This results in about a
* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.
*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c

No license file was found, but licenses were detected in source scan.

```
/* deflate.h -- internal compression state
* Copyright (C) 1995-2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h
No license file was found, but licenses were detected in source scan.
```

```
/* unzip.h -- IO for uncompress .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )
```

Copyright (C) 1998-2010 Gilles Vollant (<http://www.winimage.com/zLibDll/minizip.html>)

Modifications of Unzip for Zip64
Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip
Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)

For more info read MiniZip_info.txt

Condition of use and distribution are the same than zlib :

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 3. This notice may not be removed or altered from any source distribution.
-

Changes

See header of unzip64.c

*/

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

No license file was found, but licenses were detected in source scan.

ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact zlib@gzip.org). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minizip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work for most flavors of Unix. For Windows, use one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to [<zlib@gzip.org>](mailto:zlib@gzip.org), or to Gilles Vollant [<info@winimage.com>](mailto:info@winimage.com) for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib_faq.html before asking for help.

Mark Nelson [<markn@ieee.org>](mailto:markn@ieee.org) wrote an article about zlib for the Jan. 1997 issue of Dr. Dobb's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.11 are documented in the file `ChangeLog`.

Unsupported third party contributions are provided in directory `contrib/`.

zlib is available in Java using the java.util.zip package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/>

.

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including <http://search.cpan.org/~pmqs/IO-Compress-Zlib/> .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html> .

zlib is built into tcl: <http://wiki.tcl.tk/4610> .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS or BEOS.
- For PalmOs, see <http://palmzlib.sourceforge.net/>

Acknowledgments:

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

are too numerous to cite here.

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README
No license file was found, but licenses were detected in source scan.

```
/* inffast.c -- fast decoding
* Copyright (C) 1995-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

* /opt/cola/permits/1444731281_1666176765.8222194/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c

1.64 oauthlib 3.2.2

1.64.1 Available under license :

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1.65 media-types 7.0.0

1.65.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Source: <https://salsa.debian.org/debian/media-types>

Files: *

Copyright: public-domain

License: ad-hoc

This package contains public information compiled from around the 'net and many people.

1.66 liblzma 5.2.5-2ubuntu1

1.66.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <lasse.collin@tukaani.org>

<https://tukaani.org/xz/lists.html>

Source:

<https://tukaani.org/xz>

<https://git.tukaani.org/xz.git>

Comment:

XZ Utils is developed and maintained upstream by Lasse Collin. Major portions are based on code by other authors; see AUTHORS for details. Most of the source has been put into the public domain, but some files have not (details below).

.

This file describes the source package. The binary packages contain some files derived from other works: for example, images in the API documentation come from Doxygen.

License:

Different licenses apply to different files in this package. Here is a rough summary of which licenses apply to which parts of this package (but check the individual files to be sure!):

.

- liblzma is in the public domain.

.

- xz, xzdec, and lzmadec command line tools are in the public domain

unless GNU getopt_long had to be compiled and linked in from the lib directory. The getopt_long code is under GNU LGPLv2.1+.

.

- The scripts to grep, diff, and view compressed files have been adapted from gzip. These scripts and their documentation are under GNU GPLv2+.

.

- All the documentation in the doc directory and most of the XZ Utils specific documentation files in other directories are in the public domain.

.

- Translated messages are in the public domain.

.

- The build system contains public domain files, and files that are under GNU GPLv2+ or GNU GPLv3+. None of these files end up in the binaries being built.

.

- Test files and test code in the tests directory, and debugging utilities in the debug directory are in the public domain.

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If you copy significant amounts of public domain code from XZ Utils into your project, acknowledging this somewhere in your software is polite (especially if it is proprietary, non-free software), but naturally it is not legally required. Here is an example of a good notice to put into "about box" or into documentation:

This software includes code from XZ Utils <<http://tukaani.org/xz/>>.

The following license texts are included in the following files:

- COPYING.LGPLv2.1: GNU Lesser General Public License version 2.1
- COPYING.GPLv2: GNU General Public License version 2
- COPYING.GPLv3: GNU General Public License version 3

Note that the toolchain (compiler, linker etc.) may add some code

pieces that are copyrighted. Thus, it is possible that e.g. liblzma binary wouldn't actually be in the public domain in its entirety even though it contains no copyrighted code from the XZ Utils source package.

If you have questions, don't hesitate to ask the author(s) for more information.

Files: *

Copyright: 2006-2018, Lasse Collin

1999-2008, Igor Pavlov

2006, Ville Koskinen

1998, Steve Reid

2000, Wei Dai

2003, Kevin Springle

2009, Jonathan Nieder

2010, Anders F Bjrklund

License: PD

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Comment:

From: Lasse Collin <lasse.collin@tukaani.org>
To: Jonathan Nieder <jrnieder@gmail.com>
Subject: Re: XZ utils for Debian
Date: Sun, 19 Jul 2009 13:28:23 +0300
Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

[...]

> AUTHORS, ChangeLog, COPYING, README, THANKS, TODO,
> dos/README,
windows/README

COPYING says that most docs are in the public domain. Maybe that's not clear enough, but on the other hand it looks a bit stupid to put copyright information in tiny and relatively small docs like README.

I don't dare to say that `_all_ XZ Utils` specific docs are in the public domain unless otherwise mentioned in the file. I'm including PDF files generated by `groff + ps2pdf`, and some day I might include Doxygen-generated HTML docs too. Those don't include any copyright notices, but it seems likely that `groff + ps2pdf` or at least Doxygen put some copyrighted content into the generated files.

Files: INSTALL NEWS PACKAGERS

windows/README-Windows.txt

windows/INSTALL-MinGW.txt

Copyright: 2009-2010, Lasse Collin

License: probably-PD

See the note on AUTHORS, README, and so on above.

Files: src/scripts/* lib/* extra/scanlzma/scanlzma.c

Copyright: 1993, Jean-loup Gailly

1989-1994, 1996-1999, 2001-2007, Free Software Foundation, Inc.

2006 Timo Lindfors

2005, Charles Levert

2005, 2009, Lasse Collin

2009, Andrew Dudman

Other-Authors: Paul Eggert, Ulrich Drepper

License: GPL-2+

Files: src/scripts/Makefile.am src/scripts/xzless.1

Copyright: 2009, Andrew Dudman

2009, Lasse Collin

License: PD

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You can do whatever you want with this file.

Files: doc/examples/xz_pipe_comp.c doc/examples/xz_pipe_decomp.c

Copyright: 2010, Daniel Mealha Cabrita

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Not copyrighted -- provided to the public domain.

Files: lib/getopt.c lib/getopt1.c lib/getopt.in.h

Copyright: 1987-2007 Free Software Foundation, Inc.

Other-Authors: Ulrich Drepper

License: LGPL-2.1+

Files: m4/getopt.m4 m4/posix-shell.m4

Copyright: 2002-2006, 2008 Free Software Foundation, Inc.

2007-2008 Free Software Foundation, Inc.

Other-Authors: Bruno Haible, Paul Eggert

License: permissive-fsf

Files: m4/acx_pthread.m4

Copyright: 2008, Steven G. Johnson

<stevenj@alum.mit.edu>

License: Autoconf

files: m4/ax_check_capsicum.m4

Copyright: 2014, Google Inc.

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License: permissive-nowarranty

Files: Doxyfile.in

Copyright: 1997-2007 by Dimitri van Heesch

Origin: Doxygen 1.4.7

License: GPL-2

Files: src/liblzma/check/crc32_table_?e.h

src/liblzma/check/crc64_table_?e.h

src/liblzma/lzma/fastpos_table.c

src/liblzma/rangecoder/price_table.c

Copyright: none, automatically generated data

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src/liblzma/check/crc32_tablegen.c

src/liblzma/check/crc64_tablegen.c

src/liblzma/lzma/fastpos_tablegen.c

src/liblzma/rangecoder/price_tablegen.c

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Files: .gitignore m4/.gitignore po/.gitignore po/LINGUAS po/POTFILES.in

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Source-Code: tests/bcj_test.c

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Comment:

changelog.gz (commit 975d8fd) explains:

.

Recreated the BCJ test files for x86 and SPARC. The old files were linked with crt*.o, which are copyrighted, and thus the old test files were not in the public domain as a whole. They are freely distributable though, but it is better to be careful and avoid including any copyrighted pieces in the test files. The new files are just compiled and assembled object files, and thus don't contain any copyrighted code.

Files: po/cs.po po/de.po po/fr.po

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Files: INSTALL.generic

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Files: dos/config.h

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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,
visibility.m4 serial 1 (gettext-0.15),
Autoconf 2.52g

License: config-h
configure.ac:

```
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```

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```

comments from Autoconf 2.52g:

```
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```

[...]

```
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```

On Debian systems, the complete text of the GNU General Public License version 2 can be found in /usr/share/common-licenses/GPL-2. dos/config.h was generated with autoheader, which tells Autoconf to output a script to generate a config.h file and then runs it.

Files: po/Makevars

Origin: gettext-runtime/po/Makevars (gettext-0.12)

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Authors: Bruno Haible

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1.67 sysvinit-utils 3.01-1ubuntu1

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1.70 Isb-base 11.1.0ubuntu4

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it
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```

```
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```
# COPYING.other          *- org *-  
#+TITLE: List of code with permissive licenses as used by GnuPG.  
#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* Regular
expression support

regex/jimregex.[ch]:

Originally:

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Written by Henry Spencer. Not derived from licensed software.

Subsequently modified by:

1986 John Gilmore hoptoad!gnu

1987 James A. Woods ames!jaw

1993 Christopher Seiwald seiwald@vix.com

2000, 2002 Christopher Seiwald <seiwald@perforce.com>

2010 Steve Bennett <steveb@workware.net.au>

2020 NIIBE Yutaka <gniibe@fsij.org>

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regexp/utf8.[ch] (see regexp/LICENSE):

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1.76 libsemanage-common 3.3-1build2

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1.77 libpkit 0.24.0-6build1

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Upstream-Name: p11-kit

Source: <https://p11-glue.github.io/p11-glue/p11-kit.html>

Files: *

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1.79 libaudit 3.0.7-1build1

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The 50 level includes Brian's frequency class 1, words appearing in at least 5 of 12 of the dictionaries as indicated in the 12Dicts package, and uppercase words in at least 4 of the previous 12 dictionaries. A decent number of proper names is also included: The top 1000 male, female, and Last names from the 1990 Census report; a list of names sent to me by Alan Beale; and a few names that I added myself. Finally a small list of abbreviations not commonly found in other word lists is included.

The name files from the Census report is a government document which I don't think can be copyrighted.

The file special-jargon.50 uses common.lst and word.lst from the "Unofficial Jargon File Word Lists" which is derived from "The Jargon File". All of which is in the Public Domain. This file also contain a few extra UNIX terms which are found in the file "unix-terms" in the special/ directory.

The 55 level includes words from Alan's 2of4brif list found in version 4.0 of his 12dicts package. Like his other stuff the 2of4brif is also in the public domain.

The 60 level includes all words appearing in at least 2 of the 12 dictionaries as indicated by the 12Dicts package.

The 70 level includes Brian's frequency class 0 and the 74,550 common dictionary words from the MWords package. The common dictionary words, like those from the 12Dicts package, have had all likely inflections added. The 70 level also included the 5desk list from version 4.0 of the 12Dics package which is in the public domain.

The 80 level includes the ENABLE word list, all the lists in the ENABLE supplement package (except for ABLE), the "UK Advanced Cryptics Dictionary" (UKACD), the list of signature words from the YAWL package, and the 10,196 places list from the MWords package.

The ENABLE package, mainted by M\Cooper <thegrendel@theriver.com>, is in the Public Domain:

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Accent information was taken from UKACD.

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1.81 libcrack 2.9.6-3.4build4

1.81.1 Available under license :

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

>> it was enough to just get it consistent and documented as to what

> it was

> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
>=20
> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license
> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library
to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I
think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct

license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches and a small
>> bit of
>> additional

code, so whatever licensing y'all come up with is fine

>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be

> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro

>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.
>>
>> I am sympathetic. Guys, what do you reckon?
>>
>> What I am hearing so far is that LGPL makes sense, since it can be
>> linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using
the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.

>>
>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
>> make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From
alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from

[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.82 libpwquality1 1.4.4-1build2

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```
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```

```
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(at your option) any later version.
```

```
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```

```
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```
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.83 libpam-pwquality 1.4.4-1build2

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1.84 ncurses 6.3-2ubuntu0.1

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-- vile: txtmode file-encoding=utf-8

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-- vile:txtmode fc=72
-- \$Id: COPYING,v 1.10 2021/01/01 09:54:30 tom Exp \$
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Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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1.86 libcap 2.44-1ubuntu0.22.04.1

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1.88 gcc-12 12.3.0-1ubuntu1~22.04

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Any

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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```
<!-- Creator   : groff version 1.20.1 -->
<!-- CreationDate: Fri Jan 14 19:57:50 2011 -->
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta name="generator" content="groff -Thtml, see www.gnu.org">
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<meta name="Content-Style" content="text/css">
<link rel="stylesheet" type="text/css" href="texi2tr.css" />
<title>GNU Modula-2</title>
</head>

<body>
<!-- site wide top running header menu -->

<ul id="overview">
  <li class="home">
    HOME_HREF
  </li>
  <li class="release">
    12_HREF
  </li>

  <li>
    <a href="news.html" title="News">News</a>
  </li>
  <li>
    <a href="development.html" title="Development">Development</a>
  </li>
  <li>
    <a href="community.html" title="Community">Community</a>
  </li>
</ul>

<div id="header">
  <h1>
    <span style="display:inline-block; vertical-align:middle">

    </span>
    <span style="display:inline-block; vertical-align:middle; font-size: 50px">
GNU Modula-2
    </span>
  </h1>
```

```
<!-- homepage tab menu -->

<div id="tabmenu">
  <ul id="tab">
<li><a href="about.html"><span>About</span></a></li>
<li><a href="download.html"><span>Download</span></a></li>
<li><a href="release.html"><span>Latest Release</span></a></li>
<li class="selected"><a href="license.html"><span>License</span></a></li>
<li><a href="platforms.html"><span>Platforms</span></a></li>
<li><a href="users.html"><span>Users</span></a></li>
  </ul>
</div>
</div>

<div id="page">
<div class="plain">
  <h2>The home of the GNU Modula-2 compiler</h2>
  <p>The compiler is held under the GNU Public Licence v3.</p>
  <p>The ISO and PIM libraries are under the GPL v3.1 with GCC runtime extensions. Copies of the
  licences can be found on the
  <a href="http://www.gnu.org/licenses">GNU</a>
web site.</p>
</div>
</div>
</body>
</html>
```

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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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The hypothetical commands

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<signature of Ty Coon>, 1 April 1989

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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- 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.
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Version 3.1, 31 March 2009

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1.90 gcc-12-base 12.3.0-1ubuntu1~22.04

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 3, 29 June 2007

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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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1.92 file 5.41-3ubuntu0.1

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1.93 libmagic 5.41-3ubuntu0.1

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1.94 procps 3.3.17-6ubuntu2.1

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```
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```

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

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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_fsync: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fsync:

?S: This variable conditionally defines the HAS_FSYNC symbol, which

?S: indicates to the C program that the fsync() routine is available.

?S:.

?C:HAS_FSYNC:

?C: This symbol, if defined, indicates that the fsync routine is

?C: available to write a file's modified data and attributes to

?C: permanent storage.

?C:.

?H:#\$d_fsync HAS_FSYNC /**/

?H:.

?LINT:set d_fsync

: see if fsync exists

```
set fsync d_fsync
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fsync.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysstatfs.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_sysstatfs: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysstatfs:
```

```
?S: This variable conditionally defines the I_SYSSTATFS symbol,
```

```
?S: and indicates whether a C program should include <sys/statfs.h>.
```

```
?S:.
```

```
?C:I_SYS_STATFS:
```

```
?C: This symbol, if defined, indicates that <sys/statfs.h> exists.
```

```
?C:.
```

```
?H:#$i_sysstatfs I_SYS_STATFS /**/
```

```
?H:.
```

```
?LINT:set i_sysstatfs
```

```
: see if this is a sys/statfs.h system
```

```
set sys/statfs.h i_sysstatfs
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysstatfs.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_eaccess: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_eaccess:
```

```
?S: This variable conditionally defines the HAS_EACCESS symbol, which
```

```
?S: indicates to the C program that the eaccess() routine is available.
```

?S:
?C:HAS_EACCESS :
?C: This symbol, if defined, indicates that the eaccess routine is
?C: available to do extended access checks.

?C:
?H:#\$d_eaccess HAS_EACCESS /**/
?H.:

?LINT:set d_eaccess
: see if eaccess exists
set eaccess d_eaccess
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/acl/d_eaccess.U

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?RCS: \$Id\$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.

?RCS:
?MAKE:d_strtoq: Inlibc
?MAKE: -pick add \$@ %<

?S:d_strtoq:
?S: This variable conditionally defines the HAS_STRTOQ symbol, which
?S: indicates to the C program that the strtouq() routine is available.

?S:
?C:HAS_STRTOQ:
?C: This symbol, if defined, indicates that the strtouq routine is
?C: available to convert strings to long longs (quads).

?C:
?H:#\$d_strtoq HAS_STRTOQ /**/
?H.:

?LINT:set d_strtoq
: see if strtouq exists
set strtouq d_strtoq
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strtoq.U

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?RCS:
?MAKE:d_rint: Inlibc
?MAKE: -pick add \$@ %<
?S:d_rint:
?S: This variable conditionally defines the HAS_RINT symbol, which
?S: indicates to the C program that the rint() routine is available.
?S:.
?C:HAS_RINT:
?C: This symbol, if defined, indicates that the rint routine is
?C: available to return the nearest integral value to x as double
?C: using the current rounding mode.
?C:.
?H:#\$d_rint HAS_RINT /**/
?H:.
?LINT:set d_rint
: see if rint exists
set rint d_rint
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_rint.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_localeconv_l: Inlibc
?MAKE: -pick add \$@ %<
?S:d_localeconv_l:
?S: This variable conditionally defines the HAS_LOCALECONV_L symbol, which
?S: indicates to the C program that the localeconv_l() routine is available.
?S:.
?C:HAS_LOCALECONV_L:
?C: This symbol, if defined, indicates that the localeconv_l routine is
?C: available to query certain information about a locale.
?C:.
?H:#\$d_localeconv_l HAS_LOCALECONV_L /**/
?H:.
?LINT:set d_localeconv_l
: see if localeconv_l exists
set localeconv_l d_localeconv_l
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/threads/d_localeconv_1.U

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?RCS:

?MAKE:d_llroundl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_llroundl:

?S: This variable conditionally defines the HAS_LLROUNDL symbol, which

?S: indicates to the C program that the llroundl() routine is available

?S: to return the long long value nearest to x away from zero.

?S:.

?C:HAS_LLROUNDL:

?C: This symbol, if defined, indicates that the llroundl routine is

?C: available to return the nearest long long value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d_llroundl HAS_LLROUNDL /**/

?H:.

?LINT:set d_llroundl

: see if llroundl exists

set llroundl d_llroundl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_llroundl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Nothing.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The purpose of this file is to supply an empty target for the private

?X: Makefile built by metaconfig to order the units.

?X:

?MAKE:Nothing: Head

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/U/Nothing.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS:

?MAKE:d_frexp: Inlibc

?MAKE: -pick add \$@ %<

?S:d_frexp:

?S: This variable conditionally defines the HAS_FREXP symbol, which

?S: indicates to the C program that the frexp() routine is available.

?S:.

?C:HAS_FREXP:

?C: This symbol, if defined, indicates that the frexp routine is

?C: available to break a long double floating-point number into

?C: a normalized fraction and an integral power of 2.

?C:.

?H:#\$d_frexp HAS_FREXP /**/

?H:.

?LINT:set d_frexp

: see if frexp exists

set frexp d_frexp

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_frexp.U

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?RCS:

?MAKE:d_lround: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lround:

?S: This variable conditionally defines the HAS_LROUND symbol, which

?S: indicates to the C program that the lround() routine is available

?S: to return the integral value nearest to x away from zero.

?S:.

?C:HAS_LROUNDL:

?C: This symbol, if defined, indicates that the lroundl routine is

?C: available to return the nearest integral value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d_lroundl HAS_LROUNDL /**/

?H:.

?LINT:set d_lroundl

: see if lroundl exists

set lroundl d_lroundl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lroundl.U

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?RCS:

?MAKE:d_tgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d_tgamma:

?S: This variable conditionally defines the HAS_TGAMMA symbol, which

?S: indicates to the C program that the tgamma() routine is available

?S: for the gamma function. See also d_lgamma.

?S:.

?C:HAS_TGAMMA:

?C: This symbol, if defined, indicates that the tgamma routine is

?C: available to do the gamma function. See also HAS_LGAMMA.

?C:.

?H:#\$d_tgamma HAS_TGAMMA /**/

?H:.

?LINT:set d_tgamma

: see if tgamma exists

set tgamma d_tgamma

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_tgamma.U

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?RCS:

?MAKE:d_ilogb: Inlibc

?MAKE: -pick add \$@ %<
?S:d_ilogb:
?S: This variable conditionally defines the HAS_ILOGB symbol, which
?S: indicates to the C program that the ilogb() routine is available
?S: for extracting the exponent of double x as a signed integer.
?S:.
?C:HAS_ILOGB:
?C: This symbol, if defined, indicates that the ilogb routine is
?C: available to get integer exponent of a floating-point value.
?C:.
?H:#\$d_ilogb HAS_ILOGB /**/
?H:.
?LINT:set d_ilogb
: see if ilogb exists
set ilogb d_ilogb
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_ilogb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_poll.U,v \$
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_poll: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_poll:
?S: This variable conditionally defines the I_POLL symbol, and indicates
?S: whether a C program should include <poll.h>.
?S:.
?C:I_POLL:
?C: This symbol, if defined, indicates that <poll.h> exists and
?C: should be included. (see also HAS_POLL)
?C:.
?H:#\$i_poll I_POLL /**/
?H:.
?LINT:set i_poll
: see if this is a poll.h system
set poll.h i_poll
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/U/perl/i_poll.U

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?RCS:

?MAKE:d_hypot: Inlibc

?MAKE: -pick add \$@ %<

?S:d_hypot:

?S: This variable conditionally defines HAS_HYPOT if hypot is available

?S: for numerically stable hypotenuse function.

?S:.

?C:HAS_HYPOT:

?C: This symbol, if defined, indicates that the hypot routine is

?C: available to do the hypotenuse function.

?C:.

?H:#\$d_hypot HAS_HYPOT /**/

?H:.

?LINT:set d_hypot

: see if hypot exists

set hypot d_hypot

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/U/perl/d_hypot.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_ustat.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

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?RCS:

?MAKE:i_ustat: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_ustat:

?S: This variable conditionally defines the I_USTAT symbol, and indicates

?S: whether a C program should include <ustat.h>.

?S:.

?C:I_USTAT:

?C: This symbol, if defined, indicates that <ustat.h> exists and

?C: should be included.

?C:.

?H:#\$i_ustat I_USTAT /**/

?H:.

?LINT:set i_ustat

: see if this is a ustat.h system

set ustat.h i_ustat

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_ustat.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 3.0.

?X:

?X: Useless unit dropped. Use randfunc instead.

?X:

?LINT:empty

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/compline/randbits.U

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?RCS:

?MAKE:d_trunc: Inlibc

?MAKE: -pick add \$@ %<

?S:d_trunc:

?S: This variable conditionally defines the HAS_TRUNC symbol, which

?S: indicates to the C program that the trunc() routine is available

?S: to round doubles towards zero.

?S:.

?C:HAS_TRUNC:

?C: This symbol, if defined, indicates that the trunc routine is

?C: available to round doubles towards zero.

?C:.

?H:#\$d_trunc HAS_TRUNC /**/

?H:.

?LINT:set d_trunc

: see if trunc exists

set trunc d_trunc

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_trunc.U

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?RCS:

?MAKE:d_llrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d_llrint:

?S: This variable conditionally defines the HAS_LLRRINT symbol, which

?S: indicates to the C program that the llrint() routine is available

?S: to return the long long value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS_LLRRINT:

?C: This symbol, if defined, indicates that the llrint routine is

?C: available to return the long long value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d_llrint HAS_LLRRINT /**/

?H:.

?LINT:set d_llrint

: see if llrint exists

set llrint d_llrint

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_llrint.U

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?RCS:

?MAKE:d_nearbyint: Inlibc

?MAKE: -pick add \$@ %<

?S:d_nearbyint:

?S: This variable conditionally defines HAS_NEARBYINT if nearbyint()

?S: is available to return the integral value closest to (according to

?S: the current rounding mode) to x.

?S:.

?C:HAS_NEARBYINT:

?C: This symbol, if defined, indicates that the nearbyint routine is

?C: available to return the integral value closest to (according to

?C: the current rounding mode) to x.

?C:
?H:#\$d_nearbyint HAS_NEARBYINT /**/
?H:
?LINT:set d_nearbyint
: see if nearbyint exists
set nearbyint d_nearbyint
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nearbyint.U

No license file was found, but licenses were detected in source scan.

```
/*
 * $Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram $
 *
 * Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
 *
 * You may redistribute only under the terms of the Artistic Licence,
 * as specified in the README file that comes with the distribution.
 * You may reuse parts of this distribution only within the terms of
 * that same Artistic Licence; a copy of which may be found at the root
 * of the source tree for dist 4.0.
 *
 * $Log: setsid.C,v $
 * Revision 3.0.1.1 1994/01/24 13:58:47 ram
 * patch16: created
 *
 */
```

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/setsid.C

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?RCS:

?MAKE:d_llround: Inlibc

?MAKE: -pick add \$@ %<

?S:d_llround:

?S: This variable conditionally defines the HAS_LLROUND symbol, which

?S: indicates to the C program that the llround() routine is available

?S: to return the long long value nearest to x.

?S:.

?C:HAS_LLROUND:

?C: This symbol, if defined, indicates that the llround routine is

?C: available to return the nearest long long value.

?C:.
?H:#\$d_llround HAS_LLROUND /**/
?H:.
?LINT:set d_llround
: see if llround exists
set llround d_llround
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_llround.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_strtold: Inlibc
?MAKE: -pick add \$@ %<
?S:d_strtold:
?S: This variable conditionally defines the HAS_STRTOLD symbol, which
?S: indicates to the C program that the strtold() routine is available.
?S:.
?C:HAS_STRTOLD:
?C: This symbol, if defined, indicates that the strtold routine is
?C: available to convert strings to long doubles.
?C:.
?H:#\$d_strtold HAS_STRTOLD /**/
?H:.
?LINT:set d_strtold
: see if strtold exists
set strtold d_strtold
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strtold.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysutsname.U,v \$
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.

?RCS:
?MAKE:i_sysutsname: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_sysutsname:
?S: This variable conditionally defines the I_SYSUTSNAME symbol,
?S: and indicates whether a C program should include <sys/utsname.h>.
?S:.
?C:I_SYSUTSNAME:
?C: This symbol, if defined, indicates that <sys/utsname.h> exists and
?C: should be included.
?C:.
?H:#\$i_sysutsname I_SYSUTSNAME /**/
?H:.
?LINT:set i_sysutsname
: see if this is a sys/utsname.h system
set sys/utsname.h i_sysutsname
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysutsname.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_erfc: Inlibc

?MAKE: -pick add \$@ %<

?S:d_erfc:

?S: This variable conditionally defines the HAS_ERFC symbol, which

?S: indicates to the C program that the erfc() routine is available.

?S:.

?C:HAS_ERFC:

?C: This symbol, if defined, indicates that the erfc routine is

?C: available to do the complementary error function.

?C:.

?H:#\$d_erfc HAS_ERFC /**/
?H:.

?LINT:set d_erfc

: see if erfc exists

set erfc d_erfc

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_erfc.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fegetround: Inlibc
?MAKE: -pick add \$@ %<
?S:d_fegetround:
?S: This variable conditionally defines HAS_FEGETROUND if fegetround() is
?S: available to get the floating point rounding mode.
?S:.
?C:HAS_FEGETROUND:
?C: This symbol, if defined, indicates that the fegetround routine is
?C: available to return the macro corresponding to the current rounding
?C: mode.
?C:.
?H:#\$d_fegetround HAS_FEGETROUND /**/
?H:.
?LINT:set d_fegetround
: see if fegetround exists
set fegetround d_fegetround
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fegetround.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 2001 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_strftime: Inlibc
?MAKE: -pick add \$@ %<
?S:d_strftime:
?S: This variable conditionally defines the HAS_STRFTIME symbol, which
?S: indicates to the C program that the strftime() routine is available.
?S:.
?C:HAS_STRFTIME:
?C: This symbol, if defined, indicates that the strftime routine is
?C: available to do time formatting.
?C:.
?H:#\$d_strftime HAS_STRFTIME /**/
?H:.
?LINT:set d_strftime
: see if strftime exists
set strftime d_strftime

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strftime.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_aintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_aintl:

?S: This variable conditionally defines the HAS_AINTL symbol, which

?S: indicates to the C program that the aintl() routine is available.

?S: If copysignl is also present we can emulate modfl.

?S:.

?C:HAS_AINTL:

?C: This symbol, if defined, indicates that the aintl routine is

?C: available. If copysignl is also present we can emulate modfl.

?C:.

?H:#\$d_aintl HAS_AINTL /**/

?H:.

?LINT:set d_aintl

: see if aintl exists

set aintl d_aintl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_aintl.U

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2005 H.Merijn Brand

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_unsetenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d_unsetenv:

?S: This variable conditionally defines the HAS_UNSETENV symbol, which

?S: indicates to the C program that the unsetenv () routine is available.

?S:.

?C:HAS_UNSETENV:

?C: This symbol, if defined, indicates that the unsetenv () routine is

?C: available for use.

?C:.

?H:#\$d_unsetenv HAS_UNSETENV /**/

?H:.

?LINT:set d_unsetenv

: see if unsetenv exists

set unsetenv d_unsetenv

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_unsetenv.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_fmin: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fmin:

?S: This variable conditionally defines the HAS_FMIN symbol, which

?S: indicates to the C program that the fmin() routine is available.

?S:.

?C:HAS_FMIN:

?C: This symbol, if defined, indicates that the fmin routine is

?C: available to do the minimum function.

?C:.

?H:#\$d_fmin HAS_FMIN /**/

?H:.

?LINT:set d_fmin

: see if fmin exists

set fmin d_fmin

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fmin.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_strtod_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strtod_l:

?S: This variable conditionally defines the HAS_STRTOD_L symbol, which

?S: indicates to the C program that the strtod_l() routine is available.

?S:.

?C:HAS_STRTOD_L:

?C: This symbol, if defined, indicates that the strtod_l routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d_strtod_l HAS_STRTOD_L /**/

?H:.

?LINT:set d_strtod_l

: see if strtod_l exists

set strtod_l d_strtod_l

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/threads/d_strtod_l.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_getnameinfo: Inlibc

?MAKE: -pick add \$@ %<

?S:d_getnameinfo:

?S: This variable conditionally defines the HAS_GETNAMEINFO symbol,

?S: which indicates to the C program that the getnameinfo() function

?S: is available.

?S:.

?C:HAS_GETNAMEINFO:

?C: This symbol, if defined, indicates that the getnameinfo() function

?C: is available for use.

?C:.

?H:#\$d_getnameinfo HAS_GETNAMEINFO /**/

?H:.

?LINT:set d_getnameinfo

: see if getnameinfo exists

set getnameinfo d_getnameinfo

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getnameinfo.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_strtold_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strtold_l:

?S: This variable conditionally defines the HAS_STRTOLD_L symbol, which

?S: indicates to the C program that the strtold_l() routine is available.

?S:.

?C:HAS_STRTOLD_L:

?C: This symbol, if defined, indicates that the strtold_l routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d_strtold_l HAS_STRTOLD_L /**/

?H:.

?LINT:set d_strtold_l

: see if strtold_l exists

set strtold_l d_strtold_l

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/threads/d_strtold_l.U

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?RCS:

?MAKE:d_atanh: Inlibc

?MAKE: -pick add \$@ %<

?S:d_atanh:

?S: This variable conditionally defines the HAS_ATANH symbol, which

?S: indicates to the C program that the atanh() routine is available.

?S:.

?C:HAS_ATANH:

?C: This symbol, if defined, indicates that the atanh routine is

?C: available to do the inverse hyperbolic tangent function.

?C:.

?H:#\$d_atanh HAS_ATANH /**/

?H:.

?LINT:set d_atanh

: see if atanh exists

set atanh d_atanh

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_atanh.U

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?RCS:

?MAKE:i_quadmath: Inhdr

?MAKE: -pick add \$@ %<

?S:i_quadmath:

?S: This variable conditionally defines I_QUADMATH, which indicates

?S: to the C program that it should include <quadmath.h>.

?S:.

?C:I_QUADMATH:

?C: This symbol, if defined, indicates that <quadmath.h> exists and

?C: should be included.

?C:.

?H:#\$i_quadmath I_QUADMATH /**/

?H:.

?LINT:set i_quadmath

: see if this is a quadmath.h system

set quadmath.h i_quadmath

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_quadmath.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_libutil.U,v \$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_libutil: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_libutil:

?S: This variable conditionally defines the I_LIBUTIL symbol, and indicates

?S: whether a C program should include <libutil.h>.

?S:.

?C:I_LIBUTIL:

?C: This symbol, if defined, indicates that <libutil.h> exists and

?C: should be included.

?C:.

?H:#\$i_libutil I_LIBUTIL /**/

?H:.

?LINT:set i_libutil

: see if this is a libutil.h system

set libutil.h i_libutil

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_libutil.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysvfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysvfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysvfs:

?S: This variable conditionally defines the I_SYSVFS symbol,

?S: and indicates whether a C program should include <sys/vfs.h>.

?S:.

?C:I_SYS_VFS:

?C: This symbol, if defined, indicates that <sys/vfs.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysvfs I_SYS_VFS /**/

?H:.

?LINT:set i_sysvfs

: see if this is a sys/vfs.h system

set sys/vfs.h i_sysvfs

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysvfs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_socks5_init: Inlibc
?MAKE: -pick add \$@ %<
?S:d_socks5_init:
?S: This variable conditionally defines the HAS_SOCKS5_INIT symbol, which
?S: indicates to the C program that the socks5_init() routine is available.
?S:.
?C:HAS_SOCKS5_INIT:
?C: This symbol, if defined, indicates that the socks5_init routine is
?C: available to initialize SOCKS 5.
?C:.
?H:#\$d_socks5_init HAS_SOCKS5_INIT /**/
?H:.
?LINT:set d_socks5_init
: see if socks5_init exists
set socks5_init d_socks5_init
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_socks5_init.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_hasmntopt: Inlibc
?MAKE: -pick add \$@ %<
?S:d_hasmntopt:
?S: This variable conditionally defines the HAS_HASMNTOPT symbol, which
?S: indicates to the C program that the hasmntopt() routine is available
?S: to query the mount options of file systems.
?S:.
?C:HAS_HASMNTOPT:
?C: This symbol, if defined, indicates that the hasmntopt routine is
?C: available to query the mount options of file systems.
?C:.
?H:#\$d_hasmntopt HAS_HASMNTOPT /**/
?H:.

```
?LINT:set d_hasmntopt
: see if hasmntopt exists
set hasmntopt d_hasmntopt
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_hasmntopt.U
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* $Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram $
```

```
*
```

```
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
*
```

```
* You may redistribute only under the terms of the Artistic Licence,
```

```
* as specified in the README file that comes with the distribution.
```

```
* You may reuse parts of this distribution only within the terms of
```

```
* that same Artistic Licence; a copy of which may be found at the root
```

```
* of the source tree for dist 4.0.
```

```
*
```

```
* Original Author: unknown, got this off net.sources
```

```
*
```

```
* $Log: getopt.C,v $
```

```
* Revision 3.0.1.1 1994/01/24 13:58:40 ram
```

```
* patch16: created
```

```
*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/getopt.C
```

No license file was found, but licenses were detected in source scan.

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_scalbn: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_scalbn:
```

```
?S: This variable conditionally defines the HAS_SCALBN symbol, which
```

```
?S: indicates to the C program that the scalbn() routine is available.
```

```
?S:.
```

```
?C:HAS_SCALBN:
```

```
?C: This symbol, if defined, indicates that the scalbn routine is
```

```
?C: available to multiply floating-point number by integral power
```

```
?C: of radix.
```

```
?C:.
```

?H:#\$d_scalbn HAS_SCALBN /**/

?H:.

?LINT:set d_scalbn

: see if scalbn exists

set scalbn d_scalbn

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_scalbn.U

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?RCS:

?MAKE:d_lgamma_r: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lgamma_r:

?S: This variable conditionally defines the HAS_LGAMMA_R symbol, which

?S: indicates to the C program that the lgamma_r() routine is available

?S: for the log gamma function, without using the global signgam variable.

?S:.

?C:HAS_LGAMMA_R:

?C: This symbol, if defined, indicates that the lgamma_r routine is

?C: available to do the log gamma function without using the global

?C: signgam variable.

?C:.

?H:#\$d_lgamma_r HAS_LGAMMA_R /**/

?H:.

?LINT:set d_lgamma_r

: see if lgamma_r exists

set lgamma_r d_lgamma_r

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lgamma_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysmount.U,v \$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysmount: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysmount:

?S: This variable conditionally defines the I_SYSMOUNT symbol,
?S: and indicates whether a C program should include <sys/mount.h>.

?S:.

?C:I_SYS_MOUNT:

?C: This symbol, if defined, indicates that <sys/mount.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysmount I_SYS_MOUNT /**/

?H:.

?LINT:set i_sysmount

: see if this is a sys/mount.h system

set sys/mount.h i_sysmount

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysmount.U

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?RCS:

?MAKE:d_nextafter: Inlibc

?MAKE: -pick add \$@ %<

?S:d_nextafter:

?S: This variable conditionally defines HAS_NEXTAFTER if nextafter()

?S: is available to return the next machine representable double from

?S: x in direction y.

?S:.

?C:HAS_NEXTAFTER:

?C: This symbol, if defined, indicates that the nextafter routine is

?C: available to return the next machine representable double from

?C: x in direction y.

?C:.

?H:#\$d_nextafter HAS_NEXTAFTER /**/

?H:.

?LINT:set d_nextafter

: see if nextafter exists

set nextafter d_nextafter

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nextafter.U

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?RCS:

?MAKE:d_truncl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_truncl:

?S: This variable conditionally defines the HAS_TRUNCL symbol, which

?S: indicates to the C program that the truncl() routine is available

?S: to round long doubles towards zero. If copysignl is also present,

?S: we can emulate modfl.

?S:.

?C:HAS_TRUNCL :

?C: This symbol, if defined, indicates that the truncl routine is

?C: available. If copysignl is also present we can emulate modfl.

?C:.

?H:#\$d_truncl HAS_TRUNCL /**/

?H:.

?LINT:set d_truncl

: see if truncl exists

set truncl d_truncl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_truncl.U

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?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_finite: Inlibc

?MAKE: -pick add \$@ %<

?S:d_finite:

?S: This variable conditionally defines the HAS_FINITE symbol, which

?S: indicates to the C program that the finite() routine is available.

?S:.

?C:HAS_FINITE:

?C: This symbol, if defined, indicates that the finite routine is

?C: available to check whether a double is finite (non-infinity non-NaN).

?C:.

?H:#\$d_finite HAS_FINITE /**/

?H:.

?LINT:set d_finite

: see if finite exists

set finite d_finite

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_finitel.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_finitel: Inlibc

?MAKE: -pick add \$@ %<

?S:d_finitel:

?S: This variable conditionally defines the HAS_FINITEL symbol, which

?S: indicates to the C program that the finitel() routine is available.

?S:.

?C:HAS_FINITEL:

?C: This symbol, if defined, indicates that the finitel routine is

?C: available to check whether a long double is finite

?C: (non-infinity non-NaN).

?C:.

?H:#\$d_finitel HAS_FINITEL /**/

?H:.

?LINT:set d_finitel

: see if finitel exists

set finitel d_finitel

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_finitel.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysuio.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysuio: Inhdr

?MAKE: -pick add \$@ %<

?S:i_sysuio:

?S: This variable conditionally defines the I_SYSUIO symbol, and indicates

?S: whether a C program should include <sys/uio.h>.

?S:.

?C:L_SYSUIO:

?C: This symbol, if defined, indicates that <sys/uio.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysuio L_SYSUIO /**/

?H:.

?LINT:set i_sysuio

: see if this is a sys/uio.h system

set sys/uio.h i_sysuio

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/modified/i_sysuio.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_shadow.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_prot: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_prot:

?S: This variable conditionally defines the I_PROT symbol, and indicates

?S: whether a C program should include <prot.h>.

?S:.

?C:I_PROT:

?C: This symbol, if defined, indicates that <prot.h> exists and

?C: should be included.

?C:.

?H:#\$i_prot I_PROT /**/

?H:.

?LINT:set i_prot

: see if this is a prot.h system

set prot.h i_prot

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_prot.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:
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?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_unordered: Inlibc
?MAKE: -pick add \$@ %<
?S:d_unordered:
?S: This variable conditionally defines the HAS_UNORDERED symbol, which
?S: indicates to the C program that the unordered() routine is available.
?S:.
?C:HAS_UNORDERED:
?C: This symbol, if defined, indicates that the unordered routine is
?C: available to check whether two doubles are unordered
?C: (effectively: whether either of them is NaN)
?C:.
?H:#\$d_unordered HAS_UNORDERED /**/
?H:.
?LINT:set d_unordered
: see if unordered exists
set unordered d_unordered
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_unordered.U

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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fmax: Inlibc
?MAKE: -pick add \$@ %<
?S:d_fmax:
?S: This variable conditionally defines the HAS_FMAX symbol, which
?S: indicates to the C program that the fmax() routine is available.
?S:.
?C:HAS_FMAX:
?C: This symbol, if defined, indicates that the fmax routine is
?C: available to do the maximum function.
?C:.
?H:#\$d_fmax HAS_FMAX /**/
?H:.
?LINT:set d_fmax
: see if fmax exists
set fmax d_fmax
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fmax.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysstatvfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysstatvfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysstatvfs:

?S: This variable conditionally defines the I_SYSSTATVFS symbol,

?S: and indicates whether a C program should include <sys/statvfs.h>.

?S:.

?C:I_SYS_STATVFS:

?C: This symbol, if defined, indicates that <sys/statvfs.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysstatvfs I_SYS_STATVFS /**/

?H:.

?LINT:set i_sysstatvfs

: see if this is a sys/statvfs.h system

set sys/statvfs.h i_sysstatvfs

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysstatvfs.U

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?RCS:

?MAKE:d_exp2: Inlibc

?MAKE: -pick add \$@ %<

?S:d_exp2:

?S: This variable conditionally defines the HAS_EXP2 symbol, which

?S: indicates to the C program that the exp2() routine is available.

?S:.

?C:HAS_EXP2:

?C: This symbol, if defined, indicates that the exp2 routine is

?C: available to do the 2**x function.

?C:.

?H:#\$d_exp2 HAS_EXP2 /**/

?H:.

?LINT:set d_exp2

: see if exp2 exists

set exp2 d_exp2

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_exp2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_inetntop: Inlibc

?MAKE: -pick add \$@ %<

?S:d_inetntop:

?S: This variable conditionally defines the HAS_INETNTOP symbol,

?S: which indicates to the C program that the inet_ntop() function

?S: is available.

?S:.

?C:HAS_INETNTOP:

?C: This symbol, if defined, indicates that the inet_ntop() function

?C: is available to parse IPv4 and IPv6 strings.

?C:.

?H:#\$d_inetntop HAS_INETNTOP /**/

?H:.

?LINT:set d_inetntop

: see if inet_ntop exists

set inet_ntop d_inetntop

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_inetntop.U

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?RCS:

?MAKE:d_expm1: Inlibc

?MAKE: -pick add \$@ %<

?S:d_expm1:

?S: This variable conditionally defines the HAS_EXPM1 symbol, which

?S: indicates to the C program that the expm1() routine is available.

?S:.

?C:HAS_EXPM1:

?C: This symbol, if defined, indicates that the expm1 routine is

?C: available to do the exp(x) - 1 when x is near 1 function.

?C:.

?H:#\$d_expm1 HAS_EXPM1 /**/

?H:.

?LINT:set d_expm1

: see if expm1 exists

set expm1 d_expm1

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_expm1.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2005 H.Merijn Brand

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_clearenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d_clearenv:

?S: This variable conditionally defines the HAS_CLEARENV symbol, which

?S: indicates to the C program that the clearenv () routine is available.

?S:.

?C:HAS_CLEARENV:

?C: This symbol, if defined, indicates that the clearenv () routine is

?C: available for use.

?C:.

?H:#\$d_clearenv HAS_CLEARENV /**/

?H:.

?LINT:set d_clearenv

: see if clearenv exists

set clearenv d_clearenv

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_clearenv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
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?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_sendmsg: Inlibc
?MAKE: -pick add \$@ %<
?S:d_sendmsg:
?S: This variable conditionally defines the HAS_SENDMSG symbol, which
?S: indicates to the C program that the sendmsg() routine is available.
?S:.
?C:HAS_SENDMSG:
?C: This symbol, if defined, indicates that the sendmsg routine is
?C: available to send structured socket messages.
?C:.
?H:#\$d_sendmsg HAS_SENDMSG /**/
?H:.
?LINT:set d_sendmsg
: see if sendmsg exists
set sendmsg d_sendmsg
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_sendmsg.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_accessx: Inlibc
?MAKE: -pick add \$@ %<
?S:d_accessx:
?S: This variable conditionally defines the HAS_ACCESSX symbol, which
?S: indicates to the C program that the accessx() routine is available.
?S:.
?C:HAS_ACCESSX :
?C: This symbol, if defined, indicates that the accessx routine is
?C: available to do extended access checks.
?C:.
?H:#\$d_accessx HAS_ACCESSX /**/
?H:.

```
?LINT:set d_accessx
: see if accessx exists
set accessx d_accessx
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/acl/d_accessx.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_readv: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_readv:
```

```
?S: This variable conditionally defines the HAS_READV symbol, which
```

```
?S: indicates to the C program that the readv() routine is available.
```

```
?S:.
```

```
?C:HAS_READV:
```

```
?C: This symbol, if defined, indicates that the readv routine is
```

```
?C: available to do gather reads. You will also need <sys/uio.h>
```

```
?C: and there I_SYSUIO.
```

```
?C:.
```

```
?H:#$d_readv HAS_READV /**/
```

```
?H:.
```

```
?LINT:set d_readv
```

```
: see if readv exists
```

```
set readv d_readv
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_readv.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_asinh: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_asinh:
```

```
?S: This variable conditionally defines the HAS_ASINH symbol, which
```

```
?S: indicates to the C program that the asinh() routine is available.
```

?S:
?C:HAS_ASINH:
?C: This symbol, if defined, indicates that the asinh routine is
?C: available to do the inverse hyperbolic sine function.

?C:
?H:#\$d_asinh HAS_ASINH /**/

?H:
?LINT:set d_asinh
: see if asinh exists
set asinh d_asinh
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_asinh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi \$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: \$Log: baserev.U,v \$
?RCS: Revision 3.0 1993/08/18 12:05:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:baserev: Null
?MAKE: -pick wipe \$@ %<
?S:baserev:
?S: The base revision level of this package, from the .package file.
?S:
: set the base revision
baserev=<BASEREV>

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/U/baserev.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 2003 Jarkko Hietaniemi
?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_scalbnl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_scalbnl:

?S: This variable conditionally defines the HAS_SCALBNL symbol, which

?S: indicates to the C program that the scalbnl() routine is available.

?S: If ilogbl is also present we can emulate frexpl.

?S:.

?C:HAS_SCALBNL:

?C: This symbol, if defined, indicates that the scalbnl routine is

?C: available. If ilogbl is also present we can emulate frexpl.

?C:.

?H:#\$d_scalbnl HAS_SCALBNL /**/

?H:.

?LINT:set d_scalbnl

: see if scalbnl exists

set scalbnl d_scalbnl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_scalbnl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_isinfl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_isinfl:

?S: This variable conditionally defines the HAS_ISINFL symbol, which

?S: indicates to the C program that the isinfl() routine is available.

?S:.

?C:HAS_ISINFL:

?C: This symbol, if defined, indicates that the isinfl routine is

?C: available to check whether a long double is an infinity.

?C:.

?H:#\$d_isinfl HAS_ISINFL /**/

?H:.

?LINT:set d_isinfl

: see if isinfl exists

set isinfl d_isinfl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_isinfl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the WRITEME file.

?RCS:

?MAKE:d_writev: Inlibc

?MAKE: -pick add \$@ %<

?S:d_writev:

?S: This variable conditionally defines the HAS_WRITEV symbol, which

?S: indicates to the C program that the writev() routine is available.

?S:.

?C:HAS_WRITEV:

?C: This symbol, if defined, indicates that the writev routine is

?C: available to do scatter writes.

?C:.

?H:#\$d_writev HAS_WRITEV /**/

?H:.

?LINT:set d_writev

: see if writev exists

set writev d_writev

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_writev.U

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?RCS: as specified in the README file that comes with the distribution.

?RCS:

?MAKE:i_stdint: Inhdr

?MAKE: -pick add \$@ %<

?S:i_stdint:

?S: This variable conditionally defines the I_STDINT symbol, which

?S: indicates to the C program that <stdint.h> exists and should

?S: be included.

?S:.

?C:I_STDINT:

?C: This symbol, if defined, indicates that <stdint.h> exists and

?C: should be included.

?C:.

?H:#\$i_stdint I_STDINT /**/

?H:.

?LINT:set i_stdint

: see if stdint is available

set stdint.h i_stdint

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_stdint.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysmode.U,v \$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysmode: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysmode:

?S: This variable conditionally defines the I_SYSMODE symbol,

?S: and indicates whether a C program should include <sys/mode.h>.

?S:.

?C:I_SYSMODE:

?C: This symbol, if defined, indicates that <sys/mode.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysmode I_SYSMODE /**/

?H:.

?LINT:set i_sysmode

: see if this is a sys/mode.h system

set sys/mode.h i_sysmode

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysmode.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_around: Inlibc

?MAKE: -pick add \$@ %<

?S:d_around:

?S: This variable conditionally defines the HAS_LROUND symbol, which

?S: indicates to the C program that the lround() routine is available

?S: to return the integral value nearest to x.

?S:.

?C:HAS_LROUND:

?C: This symbol, if defined, indicates that the lround routine is

?C: available to return the nearest integral value.

?C:.

?H:#\$d_around HAS_LROUND /**/

?H:.

?LINT:set d_around

: see if lround exists

set lround d_around

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_around.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_setitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d_setitimer:

?S: This variable conditionally defines the HAS_SETITIMER symbol, which

?S: indicates to the C program that the setitimer() routine is available.

?S:.

?C:HAS_SETITIMER:

?C: This symbol, if defined, indicates that the setitimer routine is

?C: available to set interval timers.

?C:.

?H:#\$d_setitimer HAS_SETITIMER /**/

?H:.

?LINT:set d_setitimer

: see if setitimer exists

set setitimer d_setitimer

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_setitimer.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_lrintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lrintl:

?S: This variable conditionally defines the HAS_LRINTL symbol, which

?S: indicates to the C program that the lrintl() routine is available

?S: to return the integral value closest to a long double (according

?S: to the current rounding mode).

?S:.

?C:HAS_LRINTL:

?C: This symbol, if defined, indicates that the lrintl routine is

?C: available to return the integral value closest to a long double

?C: (according to the current rounding mode).

?C:.

?H:#\$d_lrintl HAS_LRINTL /**/

?H:.

?LINT:set d_lrintl

: see if lrintl exists

set lrintl d_lrintl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lrintl.U

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?RCS: \$Id: i_sunmath.U,v \$

?RCS:

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?RCS:

?MAKE:i_sunmath: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sunmath:

?S: This variable conditionally defines the I_SUNMATH symbol, and indicates

?S: whether a C program should include <sunmath.h>.

?S:.

?C:I_SUNMATH:

?C: This symbol, if defined, indicates that <sunmath.h> exists and

?C: should be included.

?C:.

?H:#\$i_sunmath I_SUNMATH /**/

```
?H:
?LINT:set i_sunmath
: see if this is a sunmath.h system
set sunmath.h i_sunmath
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sunmath.U
```

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```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2009 H.Merijn Brand
```

```
?RCS:
```

```
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```

```
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```

```
?RCS:
```

```
?MAKE:d_getaddrinfo: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_getaddrinfo:
```

```
?S: This variable conditionally defines the HAS_GETADDRINFO symbol,
```

```
?S: which indicates to the C program that the getaddrinfo() function
```

```
?S: is available.
```

```
?S:.
```

```
?C:HAS_GETADDRINFO:
```

```
?C: This symbol, if defined, indicates that the getaddrinfo() function
```

```
?C: is available for use.
```

```
?C:.
```

```
?H:#$d_getaddrinfo HAS_GETADDRINFO /**/
```

```
?H:.
```

```
?LINT:set d_getaddrinfo
```

```
: see if getaddrinfo exists
```

```
set getaddrinfo d_getaddrinfo
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getaddrinfo.U
```

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```
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```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_remainder: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_remainder:
```

```
?S: This variable conditionally defines the HAS_REMAINDER symbol, which
```

?S: indicates to the C program that the remainder() routine is available.

?S:.

?C:HAS_REMAINDER:

?C: This symbol, if defined, indicates that the remainder routine is

?C: available to return the floating-point remainder.

?C:.

?H:#\$d_remainder HAS_REMAINDER /**/

?H:.

?LINT:set d_remainder

: see if remainder exists

set remainder d_remainder

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_remainder.U

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS:

?MAKE:d_fseeko: Inlibc longsize

?MAKE: -pick add \$@ %<

?S:d_fseeko:

?S: This variable conditionally defines the HAS_FSEEKO symbol, which

?S: indicates to the C program that the fseeko() routine is available.

?S:.

?C:HAS_FSEEKO:

?C: This symbol, if defined, indicates that the fseeko routine is

?C: available to fseek beyond 32 bits (useful for ILP32 hosts).

?C:.

?H:#\$d_fseeko HAS_FSEEKO /**/

?H:.

?LINT:set d_fseeko

: see if fseeko exists

set fseeko d_fseeko

eval \$inlibc

case "\$longsize" in

8) echo "(Your long is 64 bits, so you could use fseek.)" ;;

esac

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fseeko.U

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?RCS:

?MAKE:d_logb: Inlibc

?MAKE: -pick add \$@ %<

?S:d_logb:

?S: This variable conditionally defines the HAS_LOGB symbol, which

?S: indicates to the C program that the logb() routine is available

?S: to extract the exponent of x.

?S:.

?C:HAS_LOGB:

?C: This symbol, if defined, indicates that the logb routine is

?C: available to do the logb function.

?C:.

?H:#\$d_logb HAS_LOGB /**/

?H:.

?LINT:set d_logb

: see if logb exists

set logb d_logb

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_logb.U

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/*

* \$Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram \$

*

* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

*

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* as specified in the README file that comes with the distribution.

* You may reuse parts of this distribution only within the terms of

* that same Artistic Licence; a copy of which may be found at the root

* of the source tree for dist 4.0.

*

* \$Log: rename.C,v \$

* Revision 3.0.1.1 1994/01/24 13:58:42 ram

* patch16: created

*

*/

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/rename.C

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?RCS:

?MAKE:d_nexttoward: Inlibc

?MAKE: -pick add \$@ %<

?S:d_nexttoward:

?S: This variable conditionally defines HAS_NEXTTOWARD if nexttoward()

?S: is available to return the next machine representable long double from

?S: x in direction y.

?S:.

?C:HAS_NEXTTOWARD:

?C: This symbol, if defined, indicates that the nexttoward routine is

?C: available to return the next machine representable long double from

?C: x in direction y.

?C:.

?H:#\$d_nexttoward HAS_NEXTTOWARD /**/

?H:.

?LINT:set d_nexttoward

: see if nexttoward exists

set nexttoward d_nexttoward

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nexttoward.U

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?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_isfinitel: Inlibc

?MAKE: -pick add \$@ %<

?S:d_isfinitel:

?S: This variable conditionally defines the HAS_ISFINITEL symbol, which

?S: indicates to the C program that the isfinitel() routine is available.

?S:.

?C:HAS_ISFINITEL:

?C: This symbol, if defined, indicates that the isfinitel routine is

?C: available to check whether a long double is finite.

?C: (non-infinity non-NaN).

?C:.

?H:#\$d_isfinitel HAS_ISFINITEL /**/

?H:
?LINT:set d_isfinitel
: see if isfinitel exists
set isfinitel d_isfinitel
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_isfinitel.U

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?RCS:

?MAKE:d_fdim: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fdim:

?S: This variable conditionally defines the HAS_FDIM symbol, which

?S: indicates to the C program that the fdim() routine is available.

?S:.

?C:HAS_FDIM:

?C: This symbol, if defined, indicates that the fdim routine is

?C: available to do the positive difference function.

?C:.

?H:#\$d_fdim HAS_FDIM /**/

?H:.

?LINT:set d_fdim

: see if fdim exists

set fdim d_fdim

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fdim.U

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?RCS: \$Id: i_netdb.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

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?RCS:

?MAKE:i_netdb: Inhdr

?MAKE: -pick add \$@ %<

?S:i_netdb:

?S: This variable conditionally defines the I_NETDB symbol, and indicates

?S: whether a C program should include <netdb.h>.

?S:
?C:I_NETDB:
?C: This symbol, if defined, indicates that <netdb.h> exists and
?C: should be included.

?C:.
?H:#\$i_netdb I_NETDB /**/

?H:.
?LINT:set i_netdb
: see if this is a netdb.h system
set netdb.h i_netdb
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/modified/i_netdb.U

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?RCS: \$Id: i_bfd.U,v \$

?RCS:

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?RCS:

?MAKE:i_bfd: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_bfd:

?S: This variable conditionally defines the I_BFD symbol, and

?S: indicates whether a C program can include <bfd.h>.

?S:.

?C:I_BFD:

?C: This symbol, if defined, indicates that <bfd.h> exists and

?C: can be included.

?C:.

?H:#\$i_bfd I_BFD /**/

?H:.

?LINT:set i_bfd

: see if this is a bfd.h system

set bfd.h i_bfd

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_bfd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_shadow.U,v \$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_shadow: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_shadow:
?S: This variable conditionally defines the I_SHADOW symbol, and indicates
?S: whether a C program should include <shadow.h>.
?S:.
?C:I_SHADOW:
?C: This symbol, if defined, indicates that <shadow.h> exists and
?C: should be included.
?C:.
?H:#\$i_shadow I_SHADOW /**/
?H:.
?LINT:set i_shadow
: see if this is a shadow.h system
set shadow.h i_shadow
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_shadow.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_socks.U,v \$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_socks: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_socks:
?S: This variable conditionally defines the I_SOCKS symbol, and indicates
?S: whether a C program should include <socks.h>.
?S:.
?C:I_SOCKS:
?C: This symbol, if defined, indicates that <socks.h> exists and
?C: should be included.
?C:.
?H:#\$i_socks I_SOCKS /**/
?H:.
?LINT:set i_socks
: see if this is a socks.h system

```
set socks.h i_socks
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_socks.U
```

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?RCS:

?MAKE:d_ erf: Inlibc

?MAKE: -pick add \$@ %<

?S:d_ erf:

?S: This variable conditionally defines the HAS_ERF symbol, which

?S: indicates to the C program that the erf() routine is available.

?S:.

?C:HAS_ERF:

?C: This symbol, if defined, indicates that the erf routine is

?C: available to do the error function.

?C:.

?H:#\$d_ erf HAS_ERF /**/

?H:.

?LINT:set d_ erf

: see if erf exists

set erf d_ erf

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_ erf.U
```

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?RCS:

?MAKE:d_ log1p: Inlibc

?MAKE: -pick add \$@ %<

?S:d_ log1p:

?S: This variable conditionally defines the HAS_LOG1P symbol, which

?S: indicates to the C program that the log1() routine is available

?S: to compute $\log(1 + x)$ for values of x close to zero.

?S:.

?C:HAS_LOG1P:

?C: This symbol, if defined, indicates that the log1p routine is

?C: available to do the logarithm of 1 plus argument function.

?C:.

?H:#\$d_ log1p HAS_LOG1P /**/

?H:
?LINT:set d_log1p
: see if log1p exists
set log1p d_log1p
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_log1p.U

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?RCS: \$Id\$

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?RCS:

?MAKE:d_atolf: Inlibc

?MAKE: -pick add \$@ %<

?S:d_atolf:

?S: This variable conditionally defines the HAS_ATOLF symbol, which

?S: indicates to the C program that the atolf() routine is available.

?S:.

?C:HAS_ATOLF:

?C: This symbol, if defined, indicates that the atolf routine is

?C: available to convert strings into long doubles.

?C:.

?H:#\$d_atolf HAS_ATOLF /**/

?H:

?LINT:set d_atolf

: see if atolf exists

set atolf d_atolf

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/atolf.U

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?RCS:

?MAKE:d_nan: Inlibc

?MAKE: -pick add \$@ %<

?S:d_nan:

?S: This variable conditionally defines HAS_NAN if nan() is

?S: available to generate NaN.

?S:
?C:HAS_NAN:
?C: This symbol, if defined, indicates that the nan routine is
?C: available to generate NaN.

?C:.
?H:#\$d_nan HAS_NAN /**/

?H:.
?LINT:set d_nan
: see if nan exists
set nan d_nan
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nan.U

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?RCS:
?MAKE:d_qgcvt: Inlibc
?MAKE: -pick add \$@ %<

?S:d_qgcvt:
?S: This variable conditionally defines the HAS_QGCVT symbol, which
?S: indicates to the C program that the qgcvt() routine is available.

?S:.
?C:HAS_QGCVT:
?C: This symbol, if defined, indicates that the qgcvt routine is
?C: available to convert long doubles ("quad doubles") to strings.
?C: This is a low-level routine hopefully faster than sprintf.

?C:.
?H:#\$d_qgcvt HAS_QGCVT /**/

?H:.
?LINT:set d_qgcvt
: see if qgcvt exists
set qgcvt d_qgcvt
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_qgcvt.U

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?RCS: \$Id\$

?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fstatfs : Inlibc
?MAKE: -pick add \$@ %<
?S:d_fstatfs:
?S: This variable conditionally defines the HAS_FSTATFS symbol, which
?S: indicates to the C program that the fstatfs() routine is available.
?S:.
?C:HAS_FSTATFS:
?C: This symbol, if defined, indicates that the fstatfs routine is
?C: available to stat filesystems by file descriptors.
?C:.
?H:#\$d_fstatfs HAS_FSTATFS /**/
?H:.
?LINT:set d_fstatfs
: see if fstatfs exists
set fstatfs d_fstatfs
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fstatfs.U

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?RCS:
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?RCS:
?MAKE:d_mkdtmp: Inlibc
?MAKE: -pick add \$@ %<
?S:d_mkdtmp:
?S: This variable conditionally defines the HAS_MKDTEMP symbol, which
?S: indicates to the C program that the mkdtmp() routine is available
?S: to exclusively create a uniquely named temporary directory.
?S:.
?C:HAS_MKDTEMP :
?C: This symbol, if defined, indicates that the mkdtmp routine is
?C: available to exclusively create a uniquely named temporary directory.
?C:.
?H:#\$d_mkdtmp HAS_MKDTEMP /**/
?H:.

```
?LINT:set d_mkdtmp
: see if mkdtmp exists
set mkdtmp d_mkdtmp
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_mkdtmp.U
```

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?RCS:

?MAKE:d_fdclose: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fdclose:

?S: This variable conditionally defines the HAS_FDCLOSE symbol, which

?S: indicates to the C program that the fdclose() routine is available.

?S:.

?C:HAS_FDCLOSE:

?C: This symbol, if defined, indicates that the fdclose routine is

?C: available to free a FILE structure without closing the underlying

?C: file descriptor. This function appeared in FreeBSD 10.2.

?C:.

?H:#\$d_fdclose HAS_FDCLOSE /**/

?H:.

?LINT:set d_fdclose

: see if fdclose exists

set fdclose d_fdclose

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fdclose.U
```

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?RCS:

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_socketmark: Inlibc

?MAKE: -pick add \$@ %<

?S:d_socketmark:

?S: This variable conditionally defines the HAS_SOCKETMARK symbol, which

?S: indicates to the C program that the socketmark() routine is available.

?S:.

?C:HAS_SOCKETMARK:

?C: This symbol, if defined, indicates that the socketmark routine is

?C: available to test whether a socket is at the out-of-band mark.

?C:.

?H:#\$d_socketmark HAS_SOCKETMARK /**/

?H:.

?LINT:set d_socketmark

: see if socketmark exists

set socketmark d_socketmark

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_socketmark.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2017 Dagfinn Ilmari Mannsåker

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_strnlen: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strnlen:

?S: This variable conditionally defines the HAS_STRNLEN symbol, which

?S: indicates to the C program that the strnlen () routine is available.

?S:.

?C:HAS_STRNLEN:

?C: This symbol, if defined, indicates that the strnlen () routine is

?C: available to check the length of a string up to a maximum.

?C:.

?H:#\$d_strnlen HAS_STRNLEN /**/

?H:.

?LINT:set d_strnlen

: see if strnlen exists

set strnlen d_strnlen

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strnlen.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:
?MAKE:d_round: Inlibc
?MAKE: -pick add \$@ %<
?S:d_round:
?S: This variable conditionally defines the HAS_ROUND symbol, which
?S: indicates to the C program that the round() routine is available.
?S:.
?C:HAS_ROUND:
?C: This symbol, if defined, indicates that the round routine is
?C: available to round to nearest integer, away from zero.
?C:.
?H:#\$d_round HAS_ROUND /**/
?H:.
?LINT:set d_round
: see if round exists
set round d_round
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_round.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_fp_class.U,v \$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_fp_class: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_fp_class:
?S: This variable conditionally defines the I_FP_CLASS symbol, and indicates
?S: whether a C program should include <fp_class.h>.
?S:.
?C:I_FP_CLASS:
?C: This symbol, if defined, indicates that <fp_class.h> exists and
?C: should be included.
?C:.
?H:#\$i_fp_class I_FP_CLASS /**/
?H:.
?LINT:set i_fp_class
: see if this is a fp_class.h system
set fp_class.h i_fp_class
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_fp_class.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_setproctitle: Inlibc

?MAKE: -pick add \$@ %<

?S:d_setproctitle:

?S: This variable conditionally defines the HAS_SETPROCTITLE symbol,

?S: which indicates to the C program that the setproctitle() routine

?S: is available.

?S:.

?C:HAS_SETPROCTITLE:

?C: This symbol, if defined, indicates that the setproctitle routine is

?C: available to set process title.

?C:.

?H:#\$d_setproctitle HAS_SETPROCTITLE /**/

?H:.

?LINT:set d_setproctitle

: see if setproctitle exists

set setproctitle d_setproctitle

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_setproctitle.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_recvmsg: Inlibc

?MAKE: -pick add \$@ %<

?S:d_recvmsg:

?S: This variable conditionally defines the HAS_RECVMSG symbol, which

?S: indicates to the C program that the recvmsg() routine is available.

?S:.

?C:HAS_RECVMSG:

?C: This symbol, if defined, indicates that the recvmsg routine is

?C: available to send structured socket messages.

?C:.

?H:#\$d_recvmsg HAS_RECVMSG /**/

?H:.

?LINT:set d_recvmsg

: see if recvmsg exists

set recvmsg d_recvmsg

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_recvmsg.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_inetpton: Inlibc

?MAKE: -pick add \$@ %<

?S:d_inetpton:

?S: This variable conditionally defines the HAS_INETPTON symbol,

?S: which indicates to the C program that the inet_pton() function

?S: is available.

?S:.

?C:HAS_INETPTON:

?C: This symbol, if defined, indicates that the inet_pton() function

?C: is available to parse IPv4 and IPv6 strings.

?C:.

?H:#\$d_inetpton HAS_INETPTON /**/

?H:.

?LINT:set d_inetpton

: see if inet_pton exists

set inet_pton d_inetpton

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_inetpton.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

```

?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ftello: Inlibc longsize
?MAKE: -pick add $@ %<
?S:d_ftello:
?S: This variable conditionally defines the HAS_FTELLO symbol, which
?S: indicates to the C program that the ftello() routine is available.
?S:.
?C:HAS_FTELLO:
?C: This symbol, if defined, indicates that the ftello routine is
?C: available to ftell beyond 32 bits (useful for ILP32 hosts).
?C:.
?H:#$d_ftello HAS_FTELLO /**/
?H:.
?LINT:set d_ftello
: see if ftello exists
set ftello d_ftello
eval $inlibc
case "$longsize" in
8) echo "(Your long is 64 bits, so you could use ftell.)" ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-
5.34.0/U/perl/d_ftello.U

```

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```

?RCS: $Id: i_fp.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_fp: Inhdr
?MAKE: -pick add $@ %<
?S:i_fp:
?S: This variable conditionally defines the I_FP symbol, and indicates
?S: whether a C program should include <fp.h>.
?S:.
?C:I_FP:
?C: This symbol, if defined, indicates that <fp.h> exists and
?C: should be included.
?C:.
?H:#$i_fp I_FP /**/
?H:.

```

```
?LINT:set i_fp
: see if this is a fp.h system
set fp.h i_fp
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_fp.U
```

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* Feel free to modify any of this as the need arises. Note, however,

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/metaconfig.html
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* $Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram $
```

```
*
```

```
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
*
```

```
* You may redistribute only under the terms of the Artistic Licence,
```

```
* as specified in the README file that comes with the distribution.
```

```
* You may reuse parts of this distribution only within the terms of
```

```
* that same Artistic Licence; a copy of which may be found at the root
```

```
* of the source tree for dist 4.0.
```

```
*
```

```
* Original Author: Larry Wall <lwall@netlabs.com>
```

```
*
```

```
* $Log: dup2.C,v $
```

```
* Revision 3.0.1.1 1994/01/24 13:58:37 ram
```

```
* patch16: created
```

```
*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/dup2.C
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

?MAKE:d_getmnt: Inlibc
?MAKE: -pick add \$@ %<
?S:d_getmnt:
?S: This variable conditionally defines the HAS_GETMNT symbol, which
?S: indicates to the C program that the getmnt() routine is available
?S: to retrieve one or more mount info blocks by filename.
?S:.
?C:HAS_GETMNT:
?C: This symbol, if defined, indicates that the getmnt routine is
?C: available to get filesystem mount info by filename.
?C:.
?H:#\$d_getmnt HAS_GETMNT /**/
?H:.
?LINT:set d_getmnt
: see if getmnt exists
set getmnt d_getmnt
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getmnt.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_lrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lrint:

?S: This variable conditionally defines the HAS_LRINT symbol, which

?S: indicates to the C program that the lrint() routine is available

?S: to return the integral value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS_LRINT:

?C: This symbol, if defined, indicates that the lrint routine is

?C: available to return the integral value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d_lrint HAS_LRINT /**/
?H:.

?LINT:set d_lrint

: see if lrint exists

set lrint d_lrint

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/U/perl/d_lrint.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_getitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d_getitimer:

?S: This variable conditionally defines the HAS_GETITIMER symbol, which

?S: indicates to the C program that the getitimer() routine is available.

?S:.

?C:HAS_GETITIMER:

?C: This symbol, if defined, indicates that the getitimer routine is

?C: available to return interval timers.

?C:.

?H:#\$d_getitimer HAS_GETITIMER /**/

?H:.

?LINT:set d_getitimer

: see if getitimer exists

set getitimer d_getitimer

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/U/perl/d_getitimer.U

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Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/dist/files/Jmake.tmpl

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_log2: Inlibc

?MAKE: -pick add \$@ %<

?S:d_log2:

?S: This variable conditionally defines the HAS_LOG2 symbol, which

?S: indicates to the C program that the log2() routine is available

?S: to compute log base two.

?S:
?C:HAS_LOG2:
?C: This symbol, if defined, indicates that the log2 routine is
?C: available to do the log2 function.

?C:.
?H:#\$d_log2 HAS_LOG2 /**/

?H:.
?LINT:set d_log2
: see if log2 exists
set log2 d_log2
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_log2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.

?RCS:
?MAKE:d_getcwd: Inlibc
?MAKE: -pick add \$@ %<

?S:d_getcwd:
?S: This variable conditionally defines the HAS_GETCWD symbol, which
?S: indicates to the C program that the getcwd() routine is available
?S: to get the current working directory.

?S:.
?C:HAS_GETCWD :
?C: This symbol, if defined, indicates that the getcwd routine is
?C: available to get the current working directory.

?C:.
?H:#\$d_getcwd HAS_GETCWD /**/

?H:.
?LINT:set d_getcwd
: see if getcwd exists
set getcwd d_getcwd
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getcwd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_ieefp.U,v \$

?RCS:
 ?RCS: Copyright (c) 1998 Jarkko Hietaniemi
 ?RCS:
 ?RCS: You may distribute under the terms of either the GNU General Public
 ?RCS: License or the Artistic License, as specified in the README file.
 ?RCS:
 ?MAKE:i_ieeeep: Inhdr Hasfield
 ?MAKE: -pick add \$@ %<
 ?S:i_ieeeep:
 ?S: This variable conditionally defines the I_IEEEFP symbol, and indicates
 ?S: whether a C program should include <ieeeep.h>.
 ?S:.
 ?C:I_IEEEFP:
 ?C: This symbol, if defined, indicates that <ieeeep.h> exists and
 ?C: should be included.
 ?C:.
 ?H:#\$i_ieeeep I_IEEEFP /**/
 ?H:.
 ?LINT:set i_ieeeep
 : see if this is a ieeeep.h system
 case "\$i_ieeeep" in
 ") set ieeeep.h i_ieeeep
 eval \$inhdr
 ;;
 esac

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_ieeeep.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
 ?RCS:
 ?RCS: Copyright (c) 2003 Jarkko Hietaniemi
 ?RCS:
 ?RCS: You may distribute under the terms of either the GNU General Public
 ?RCS: License or the Artistic License, as specified in the README file.
 ?RCS:
 ?MAKE:d_copysignl: Inlibc
 ?MAKE: -pick add \$@ %<
 ?S:d_copysignl:
 ?S: This variable conditionally defines the HAS_COPYSIGNL symbol, which
 ?S: indicates to the C program that the copysignl() routine is available.
 ?S: If aintl is also present we can emulate modfl.
 ?S:.
 ?C:HAS_COPYSIGNL:
 ?C: This symbol, if defined, indicates that the copysignl routine is
 ?C: available. If aintl is also present we can emulate modfl.

```
?C:.
?H:#$d_copysignl HAS_COPYSIGNL /**/
?H:.
?LINT:set d_copysignl
: see if copysignl exists
set copysignl d_copysignl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_copysignl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ualarm: Inlibc
?MAKE: -pick add $@ %<
?S:d_ualarm:
?S: This variable conditionally defines the HAS_UALARM symbol, which
?S: indicates to the C program that the ualarm() routine is available.
?S:.
?C:HAS_UALARM:
?C: This symbol, if defined, indicates that the ualarm routine is
?C: available to do alarms with microsecond granularity.
?C:.
?H:#$d_ualarm HAS_UALARM /**/
?H:.
?LINT:set d_ualarm
: see if ualarm exists
set ualarm d_ualarm
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_ualarm.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fpgetround: Inlibc
?MAKE: -pick add $@ %<
?S:d_fpgetround:
```

?S: This variable conditionally defines HAS_FPGETROUND if fpgetround()

?S: is available to get the floating point rounding mode.

?S:.

?C:HAS_FPGETROUND:

?C: This symbol, if defined, indicates that the fpgetround routine is

?C: available to get the floating point rounding mode.

?C:.

?H:#\$d_fpgetround HAS_FPGETROUND /**/

?H:.

?LINT:set d_fpgetround

: see if fpgetround exists

set fpgetround d_fpgetround

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fpgetround.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2019 Karl Williamson

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_towupper: Inlibc

?MAKE: -pick add \$@ %<

?S:d_towupper:

?S: This variable conditionally defines the HAS_TOWUPPER symbol, which

?S: indicates to the C program that the towupper() routine is available.

?S:.

?C:HAS_TOWUPPER:

?C: This symbol, if defined, indicates that the towupper () routine is

?C: available to do case conversion.

?C:.

?H:#\$d_towupper HAS_TOWUPPER /**/

?H:.

?LINT:set d_towupper

: see if towupper exists

set towupper d_towupper

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_towupper.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
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?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_sqrtl: Inlibc
?MAKE: -pick add \$@ %<
?S:d_sqrtl:
?S: This variable conditionally defines the HAS_SQRTL symbol, which
?S: indicates to the C program that the sqrtl() routine is available.
?S:.
?C:HAS_SQRTL:
?C: This symbol, if defined, indicates that the sqrtl routine is
?C: available to do long double square roots.
?C:.
?H:#\$d_sqrtl HAS_SQRTL /**/
?H:.
?LINT:set d_sqrtl
: see if sqrtl exists
set sqrtl d_sqrtl
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_sqrtl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi \$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: \$Log: Null.U,v \$
?RCS: Revision 3.0 1993/08/18 12:05:10 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ". This
?X: probably isn't necessary, but I'm paranoid. About certain things.
?X:
?MAKE:Null: Head

?MAKE: -pick add.Null \$@ %<

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/U/Null.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_mntent.U,v \$

?RCS:

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?RCS:

?MAKE:i_mntent: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_mntent:

?S: This variable conditionally defines the I_MNTENT symbol, and indicates

?S: whether a C program should include <mntent.h>.

?S:.

?C:I_MNTENT:

?C: This symbol, if defined, indicates that <mntent.h> exists and

?C: should be included.

?C:.

?H:#\$i_mntent I_MNTENT /**/

?H:.

?LINT:set i_mntent

: see if this is a mntent.h system

set mntent.h i_mntent

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_mntent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_poll.U,v \$

?RCS:

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?RCS:

?MAKE:i_langinfo: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_langinfo:

?S: This variable conditionally defines the I_LANGINFO symbol,

?S: and indicates whether a C program should include <langinfo.h>.

?S:
?C:I_LANGINFO:
?C: This symbol, if defined, indicates that <langinfo.h> exists and
?C: should be included.
?C:.
?H:#\$i_langinfo I_LANGINFO /**/
?H:.
?LINT:set i_langinfo
: see if this is a langinfo.h system
set langinfo.h i_langinfo
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_langinfo.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:
?RCS: Copyright (c) 2019 Karl Williamson
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_towlower: Inlibc
?MAKE: -pick add \$@ %<
?S:d_towlower:
?S: This variable conditionally defines the HAS_TOWLOWER symbol, which
?S: indicates to the C program that the towlower() routine is available.
?S:.
?C:HAS_TOWLOWER:
?C: This symbol, if defined, indicates that the towlower () routine is
?C: available to do case conversion.
?C:.
?H:#\$d_towlower HAS_TOWLOWER /**/
?H:.
?LINT:set d_towlower
: see if towlower exists
set towlower d_towlower
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_towlower.U

No license file was found, but licenses were detected in source scan.

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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:full_ar: ar
?MAKE: -pick add \$@ %<
?S:full_ar:
?S: This variable contains the full pathname to 'ar', whether or
?S: not the user has specified 'portability'. This is only used
?S: in the Makefile.SH.
?S:.
: Store the full pathname to the ar program for use in the C program
: Respect a hint or command line value for full_ar.
case "\$full_ar" in
") full_ar=\$ar ;;
esac

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/Loc_ar.U

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?RCS:
?MAKE:d_atoll: Inlibc
?MAKE: -pick add \$@ %<
?S:d_atoll:
?S: This variable conditionally defines the HAS_ATOLL symbol, which
?S: indicates to the C program that the atoll() routine is available.
?S:.
?C:HAS_ATOLL:
?C: This symbol, if defined, indicates that the atoll routine is
?C: available to convert strings into long longs.
?C:.
?H:#\$d_atoll HAS_ATOLL /**/
?H:.
?LINT:set d_atoll
: see if atoll exists
set atoll d_atoll

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/atoll.U

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/*

* \$Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram \$

*

* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

*

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* of the source tree for dist 4.0.

*

* \$Log: scandir.C,v \$

* Revision 3.0.1.1 1994/01/24 13:58:45 ram

* patch16: created

*

*/

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/scandir.C

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?RCS:

?MAKE:d_remquo: Inlibc

?MAKE: -pick add \$@ %<

?S:d_remquo:

?S: This variable conditionally defines the HAS_REMQUO symbol, which

?S: indicates to the C program that the remquo() routine is available.

?S:.

?C:HAS_REMQUO:

?C: This symbol, if defined, indicates that the remquo routine is

?C: available to return the remainder and part of quotient.

?C:.

?H:#\$d_remquo HAS_REMQUO /**/

?H:.

?LINT:set d_remquo

: see if remquo exists

set remquo d_remquo

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_remquo.U

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?RCS:

?MAKE:d_getfsstat : Inlibc

?MAKE: -pick add \$@ %<

?S:d_getfsstat:

?S: This variable conditionally defines the HAS_GETFSSTAT symbol, which

?S: indicates to the C program that the getfsstat() routine is available.

?S:.

?C:HAS_GETFSSTAT:

?C: This symbol, if defined, indicates that the getfsstat routine is

?C: available to stat filesystems in bulk.

?C:.

?H:#\$d_getfsstat HAS_GETFSSTAT /**/

?H:.

?LINT:set d_getfsstat

: see if getfsstat exists

set getfsstat d_getfsstat

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getfsstat.U

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?RCS:

?MAKE:d_copysign: Inlibc

?MAKE: -pick add \$@ %<

?S:d_copysign:

?S: This variable conditionally defines the HAS_COPYSIGN symbol, which

?S: indicates to the C program that the copysign() routine is available.

?S:.

?C:HAS_COPYSIGN:

?C: This symbol, if defined, indicates that the copysign routine is

?C: available to do the copysign function.

?C:.

?H:#\$d_copysign HAS_COPYSIGN /**/

?H:.

?LINT:set d_copysign

: see if copysign exists

set copysign d_copysign

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_copysign.U

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?RCS:

?MAKE:d_dup3: Inlibc

?MAKE: -pick add \$@ %<

?S:d_dup3:

?S: This variable conditionally defines HAS_DUP3 if dup3() is

?S: available to duplicate file descriptors.

?S:.

?C:HAS_DUP3:

?C: This symbol, if defined, indicates that the dup3 routine is

?C: available to duplicate file descriptors.

?C:.

?H:#\$d_dup3 HAS_DUP3 /**/

?H:.

?LINT:set d_dup3

: see if dup3 exists

set dup3 d_dup3

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_dup3.U

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?RCS:
?MAKE:d_lgamma: Inlibc
?MAKE: -pick add \$@ %<
?S:d_lgamma:
?S: This variable conditionally defines the HAS_LGAMMA symbol, which
?S: indicates to the C program that the lgamma() routine is available
?S: for the log gamma function. See also d_tgamma and d_lgamma_r.
?S:.
?C:HAS_LGAMMA:
?C: This symbol, if defined, indicates that the lgamma routine is
?C: available to do the log gamma function. See also HAS_TGAMMA and
?C: HAS_LGAMMA_R.
?C:.
?H:#\$d_lgamma HAS_LGAMMA /**/
?H:.
?LINT:set d_lgamma
: see if lgamma exists
set lgamma d_lgamma
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lgamma.U

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?RCS:
?MAKE:d_timegm: Inlibc
?MAKE: -pick add \$@ %<
?S:d_timegm:
?S: This variable conditionally defines the HAS_TIMEGM symbol, which
?S: indicates to the C program that the timegm () routine is available.
?S:.
?C:HAS_TIMEGM:
?C: This symbol, if defined, indicates that the timegm routine is
?C: available to do the opposite of gmtime ()
?C:.
?H:#\$d_timegm HAS_TIMEGM /**/
?H:.
?LINT:set d_timegm
: see if timegm exists
set timegm d_timegm
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_timegm.U

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Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/errnolist.mk

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/makegloss

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/bindex

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/files/fixcpp

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?RCS:

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?RCS:

?MAKE:d_isnanl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_isnanl:

?S: This variable conditionally defines the HAS_ISNANL symbol, which

?S: indicates to the C program that the isnanl() routine is available.

?S:.

?C:HAS_ISNANL:

?C: This symbol, if defined, indicates that the isnanl routine is

?C: available to check whether a long double is a NaN.

?C:.

?H:#\$d_isnanl HAS_ISNANL /**/

?H:.

?LINT:set d_isnanl

: see if isnanl exists

set isnanl d_isnanl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_isnanl.U

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?RCS:

?MAKE:i_fenv: Inhdr

?MAKE: -pick add \$@ %<

?S:i_fenv:

?S: This variable conditionally defines the I_FENV symbol, which

?S: indicates to the C program that <fenv.h> exists and should

?S: be included.

?S:.

?C:I_FENV:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <fenv.h> to get the floating point environment definitions.

?C:.

?H:#\$i_fenv I_FENV /**/

?H:.

?LINT:set i_fenv

: see if this is a fenv.h system

set fenv.h i_fenv

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_fenv.U

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?RCS:

?MAKE:d_fchdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fchdir:

?S: This variable conditionally defines the HAS_FCHDIR symbol, which

?S: indicates to the C program that the fchdir() routine is available.

?S:.

?C:HAS_FCHDIR:

?C: This symbol, if defined, indicates that the fchdir routine is

?C: available to change directory using a file descriptor.

?C:.

?H:#\$d_fchdir HAS_FCHDIR /**/

?H:.

?LINT:set d_fchdir

: see if fchdir exists

set fchdir d_fchdir

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fchdir.U

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?RCS: \$Id: i_crypt.U,v \$

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?RCS:

?MAKE:i_crypt: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_crypt:

?S: This variable conditionally defines the I_CRYPT symbol, and indicates

?S: whether a C program should include <crypt.h>.

?S:.

?C:I_CRYPT:

?C: This symbol, if defined, indicates that <crypt.h> exists and

?C: should be included.

?C:.

?H:#\$i_crypt I_CRYPT /**/

?H:.

?LINT:set i_crypt

: see if this is a crypt.h system

set crypt.h i_crypt

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_crypt.U

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?RCS: \$Id: i_syslog.U,v \$

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?RCS:

?MAKE:i_syslog: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_syslog:

?S: This variable conditionally defines the I_SYSLOG symbol,

?S: and indicates whether a C program should include <syslog.h>.

?S:
?C:I_SYSLOG:
?C: This symbol, if defined, indicates that <syslog.h> exists and
?C: should be included.
?C:.
?H:#\$i_syslog I_SYSLOG /**/
?H:.
?LINT:set i_syslog
: see if this is a syslog.h system
set syslog.h i_syslog
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_syslog.U

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?RCS:

?MAKE:d_fma: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fma:

?S: This variable conditionally defines the HAS_FMA symbol, which

?S: indicates to the C program that the fma() routine is available.

?S:.

?C:HAS_FMA:

?C: This symbol, if defined, indicates that the fma routine is

?C: available to do the multiply-add function.

?C:.

?H:#\$d_fma HAS_FMA /**/
?H:.

?LINT:set d_fma

: see if fma exists

set fma d_fma

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fma.U

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?RCS:

?MAKE:d_acosh: Inlibc

?MAKE: -pick add \$@ %<

?S:d_acosh:

?S: This variable conditionally defines the HAS_ACOSH symbol, which

?S: indicates to the C program that the acosh() routine is available.

?S:.

?C:HAS_ACOSH:

?C: This symbol, if defined, indicates that the acosh routine is

?C: available to do the inverse hyperbolic cosine function.

?C:.

?H:#\$d_acosh HAS_ACOSH /**/

?H:.

?LINT:set d_acosh

: see if acosh exists

set acosh d_acosh

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855197683_1701152290.0194173/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_acosh.U

1.97 perl-base 5.34.0-3ubuntu1.3

1.97.1 Available under license :

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?RCS:

?MAKE:d_scalbnl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_scalbnl:

?S: This variable conditionally defines the HAS_SCALBNL symbol, which

?S: indicates to the C program that the scalbnl() routine is available.

?S: If ilogbl is also present we can emulate frexpl.

?S:.

?C:HAS_SCALBNL:

?C: This symbol, if defined, indicates that the scalbnl routine is

?C: available. If ilogbl is also present we can emulate frexpl.

?C:.

?H:#\$d_scalbnl HAS_SCALBNL /**/

?H:.

?LINT:set d_scalbnl

: see if scalbnl exists

set scalbnl d_scalbnl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_scalbnl.U

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:full_ar: ar

?MAKE: -pick add \$@ %<

?S:full_ar:

?S: This variable contains the full pathname to 'ar', whether or

?S: not the user has specified 'portability'. This is only used

?S: in the Makefile.SH.

?S:.

: Store the full pathname to the ar program for use in the C program

: Respect a hint or command line value for full_ar.

case "\$full_ar" in

") full_ar=\$ar ;;

esac

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/Loc_ar.U

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?RCS:

?MAKE:d_fegetround: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fegetround:

?S: This variable conditionally defines HAS_FEGETROUND if fegetround() is

?S: available to get the floating point rounding mode.

?S:.

?C:HAS_FEGETROUND:

?C: This symbol, if defined, indicates that the fegetround routine is

?C: available to return the macro corresponding to the current rounding

?C: mode.

?C:.

?H:#\$d_fegetround HAS_FEGETROUND /**/

?H:.

?LINT:set d_fegetround

: see if fegetround exists

set fegetround d_fegetround

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fegetround.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_hasmntopt: Inlibc

?MAKE: -pick add \$@ %<

?S:d_hasmntopt:

?S: This variable conditionally defines the HAS_HASMNTOPT symbol, which

?S: indicates to the C program that the hasmntopt() routine is available

?S: to query the mount options of file systems.

?S:.

?C:HAS_HASMNTOPT:

?C: This symbol, if defined, indicates that the hasmntopt routine is

?C: available to query the mount options of file systems.

?C:.

?H:#\$d_hasmntopt HAS_HASMNTOPT /**/

?H:.

?LINT:set d_hasmntopt

: see if hasmntopt exists

set hasmntopt d_hasmntopt

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_hasmntopt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:
?MAKE:d_finite: Inlibc
?MAKE: -pick add \$@ %<
?S:d_finite:
?S: This variable conditionally defines the HAS_FINITE symbol, which
?S: indicates to the C program that the finite() routine is available.
?S:.
?C:HAS_FINITE:
?C: This symbol, if defined, indicates that the finite routine is
?C: available to check whether a double is finite (non-infinity non-NaN).
?C:.
?H:#\$d_finite HAS_FINITE /**/
?H:.
?LINT:set d_finite
: see if finite exists
set finite d_finite
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_finite.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_shadow.U,v \$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_shadow: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_shadow:
?S: This variable conditionally defines the I_SHADOW symbol, and indicates
?S: whether a C program should include <shadow.h>.
?S:.
?C:I_SHADOW:
?C: This symbol, if defined, indicates that <shadow.h> exists and
?C: should be included.
?C:.
?H:#\$i_shadow I_SHADOW /**/
?H:.
?LINT:set i_shadow
: see if this is a shadow.h system
set shadow.h i_shadow
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_shadow.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: baserev.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:24 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:baserev: Null

?MAKE: -pick wipe \$@ %<

?S:baserev:

?S: The base revision level of this package, from the .package file.

?S:.

: set the base revision

baserev=<BASEREV>

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/U/baserev.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_clearenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d_clearenv:

?S: This variable conditionally defines the HAS_CLEARENV symbol, which

?S: indicates to the C program that the clearenv () routine is available.

?S:.

?C:HAS_CLEARENV:

?C: This symbol, if defined, indicates that the clearenv () routine is

?C: available for use.

?C:.

?H:#\$d_clearenv HAS_CLEARENV /**/

?H:.

?LINT:set d_clearenv

: see if clearenv exists

set clearenv d_clearenv

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_clearenv.U

No license file was found, but licenses were detected in source scan.

/*

* \$Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram \$

*

* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

*

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* as specified in the README file that comes with the distribution.

* You may reuse parts of this distribution only within the terms of

* that same Artistic Licence; a copy of which may be found at the root

* of the source tree for dist 4.0.

*

* Original Author: unknown, got this off net.sources

*

* \$Log: getopt.C,v \$

* Revision 3.0.1.1 1994/01/24 13:58:40 ram

* patch16: created

*

*/

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/getopt.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysmount.U,v \$

?RCS:

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?RCS:

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?RCS:

?MAKE:i_sysmount: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysmount:

?S: This variable conditionally defines the I_SYSMOUNT symbol,

?S: and indicates whether a C program should include <sys/mount.h>.

?S:
?C:I_SYS_MOUNT:
?C: This symbol, if defined, indicates that <sys/mount.h> exists and
?C: should be included.
?C:.
?H:#\$i_sysmount I_SYS_MOUNT /**/
?H:.
?LINT:set i_sysmount
: see if this is a sys/mount.h system
set sys/mount.h i_sysmount
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysmount.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_bfd.U,v \$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_bfd: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_bfd:
?S: This variable conditionally defines the I_BFD symbol, and
?S: indicates whether a C program can include <bfd.h>.
?S:.
?C:I_BFD:
?C: This symbol, if defined, indicates that <bfd.h> exists and
?C: can be included.
?C:.
?H:#\$i_bfd I_BFD /**/
?H:.
?LINT:set i_bfd
: see if this is a bfd.h system
set bfd.h i_bfd
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_bfd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$
?RCS:

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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_accessx: Inlibc
?MAKE: -pick add \$@ %<
?S:d_accessx:
?S: This variable conditionally defines the HAS_ACCESSX symbol, which
?S: indicates to the C program that the accessx() routine is available.
?S:.
?C:HAS_ACCESSX :
?C: This symbol, if defined, indicates that the accessx routine is
?C: available to do extended access checks.
?C:.
?H:#\$d_accessx HAS_ACCESSX /**/
?H:.
?LINT:set d_accessx
: see if accessx exists
set accessx d_accessx
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/acl/d_accessx.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_syslog.U,v \$
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_syslog: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_syslog:
?S: This variable conditionally defines the I_SYSLOG symbol,
?S: and indicates whether a C program should include <syslog.h>.
?S:.
?C:I_SYSLOG:
?C: This symbol, if defined, indicates that <syslog.h> exists and
?C: should be included.
?C:.
?H:#\$i_syslog I_SYSLOG /**/
?H:.
?LINT:set i_syslog
: see if this is a syslog.h system

```
set syslog.h i_syslog
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_syslog.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_strftime: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strftime:

?S: This variable conditionally defines the HAS_STRFTIME symbol, which

?S: indicates to the C program that the strftime() routine is available.

?S:.

?C:HAS_STRFTIME:

?C: This symbol, if defined, indicates that the strftime routine is

?C: available to do time formatting.

?C:.

?H:#\$d_strftime HAS_STRFTIME /**/

?H:.

?LINT:set d_strftime

: see if strftime exists

set strftime d_strftime

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strftime.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_libutil.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_libutil: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_libutil:

?S: This variable conditionally defines the I_LIBUTIL symbol, and indicates

?S: whether a C program should include <libutil.h>.

?S:.

?C:I_LIBUTIL:

?C: This symbol, if defined, indicates that <libutil.h> exists and

?C: should be included.

?C:.

?H:#\$i_libutil I_LIBUTIL /**/

?H:.

?LINT:set i_libutil

: see if this is a libutil.h system

set libutil.h i_libutil

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_libutil.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998, Jarkko Hietaniemi

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?X:

?X: Useless unit dropped. Use randfunc instead.

?X:

?LINT:empty

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/compline/randbits.U

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_fdim: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fdim:

?S: This variable conditionally defines the HAS_FDIM symbol, which

?S: indicates to the C program that the fdim() routine is available.

?S:.

?C:HAS_FDIM:

?C: This symbol, if defined, indicates that the fdim routine is

?C: available to do the positive difference function.

?C:.

?H:#\$d_fdim HAS_FDIM /**/

?H:.

?LINT:set d_fdim

: see if fdim exists

set fdim d_fdim

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fdim.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_isnanl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_isnanl:

?S: This variable conditionally defines the HAS_ISNANL symbol, which

?S: indicates to the C program that the isnanl() routine is available.

?S:.

?C:HAS_ISNANL:

?C: This symbol, if defined, indicates that the isnanl routine is

?C: available to check whether a long double is a NaN.

?C:.

?H:#\$d_isnanl HAS_ISNANL /**/

?H:.

?LINT:set d_isnanl

: see if isnanl exists

set isnanl d_isnanl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_isnanl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_getaddrinfo: Inlibc

?MAKE: -pick add \$@ %<

?S:d_getaddrinfo:

?S: This variable conditionally defines the HAS_GETADDRINFO symbol,

?S: which indicates to the C program that the getaddrinfo() function

?S: is available.

?S:.

?C:HAS_GETADDRINFO:

?C: This symbol, if defined, indicates that the getaddrinfo() function

?C: is available for use.

?C:.

?H:#\$d_getaddrinfo HAS_GETADDRINFO /**/

?H:.

?LINT:set d_getaddrinfo

: see if getaddrinfo exists

set getaddrinfo d_getaddrinfo

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getaddrinfo.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_netdb.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_netdb: Inhdr

?MAKE: -pick add \$@ %<

?S:i_netdb:

?S: This variable conditionally defines the I_NETDB symbol, and indicates

?S: whether a C program should include <netdb.h>.

?S:.

?C:I_NETDB:

?C: This symbol, if defined, indicates that <netdb.h> exists and

?C: should be included.

?C:.

?H:#\$i_netdb I_NETDB /**/

?H:.

?LINT:set i_netdb

: see if this is a netdb.h system

set netdb.h i_netdb

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/modified/i_netdb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_setproctitle: Inlibc

?MAKE: -pick add \$@ %<

?S:d_setproctitle:

?S: This variable conditionally defines the HAS_SETPROCTITLE symbol,

?S: which indicates to the C program that the setproctitle() routine

?S: is available.

?S:.

?C:HAS_SETPROCTITLE:

?C: This symbol, if defined, indicates that the setproctitle routine is

?C: available to set process title.

?C:.

?H:#\$d_setproctitle HAS_SETPROCTITLE /**/

?H:.

?LINT:set d_setproctitle

: see if setproctitle exists

set setproctitle d_setproctitle

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_setproctitle.U

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?RCS:

?MAKE:d_round: Inlibc

?MAKE: -pick add \$@ %<

?S:d_round:

?S: This variable conditionally defines the HAS_ROUND symbol, which

?S: indicates to the C program that the round() routine is available.

?S:.

?C:HAS_ROUND:

?C: This symbol, if defined, indicates that the round routine is

?C: available to round to nearest integer, away from zero.

?C:.
?H:#\$d_round HAS_ROUND /**/
?H:.
?LINT:set d_round
: see if round exists
set round d_round
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_round.U

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?RCS:

?MAKE:d_remainder: Inlibc

?MAKE: -pick add \$@ %<

?S:d_remainder:

?S: This variable conditionally defines the HAS_REMAINDER symbol, which

?S: indicates to the C program that the remainder() routine is available.

?S:.

?C:HAS_REMAINDER:

?C: This symbol, if defined, indicates that the remainder routine is

?C: available to return the floating-point remainder.

?C:.

?H:#\$d_remainder HAS_REMAINDER /**/
?H:.

?LINT:set d_remainder

: see if remainder exists

set remainder d_remainder

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_remainder.U

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?RCS:

?MAKE:d_fma: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fma:

?S: This variable conditionally defines the HAS_FMA symbol, which

?S: indicates to the C program that the fma() routine is available.

?S:.

?C:HAS_FMA:

?C: This symbol, if defined, indicates that the fma routine is

?C: available to do the multiply-add function.

?C:.

?H:#\$d_fma HAS_FMA /**/

?H:.

?LINT:set d_fma

: see if fma exists

set fma d_fma

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fma.U

No license file was found, but licenses were detected in source scan.

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?RCS:

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?RCS:

?MAKE:d_inetpton: Inlibc

?MAKE: -pick add \$@ %<

?S:d_inetpton:

?S: This variable conditionally defines the HAS_INETPTON symbol,

?S: which indicates to the C program that the inet_pton() function

?S: is available.

?S:.

?C:HAS_INETPTON:

?C: This symbol, if defined, indicates that the inet_pton() function

?C: is available to parse IPv4 and IPv6 strings.

?C:.

?H:#\$d_inetpton HAS_INETPTON /**/

?H:.

?LINT:set d_inetpton

: see if inet_pton exists

set inet_pton d_inetpton

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_inetpton.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_eaccess: Inlibc
?MAKE: -pick add \$@ %<
?S:d_eaccess:
?S: This variable conditionally defines the HAS_EACCESS symbol, which
?S: indicates to the C program that the eaccess() routine is available.
?S:.
?C:HAS_EACCESS :
?C: This symbol, if defined, indicates that the eaccess routine is
?C: available to do extended access checks.
?C:.
?H:#\$d_eaccess HAS_EACCESS /**/
?H:.
?LINT:set d_eaccess
: see if eaccess exists
set eaccess d_eaccess
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/acl/d_eaccess.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_llroundl: Inlibc
?MAKE: -pick add \$@ %<
?S:d_llroundl:
?S: This variable conditionally defines the HAS_LLROUNDL symbol, which
?S: indicates to the C program that the llroundl() routine is available
?S: to return the long long value nearest to x away from zero.
?S:.
?C:HAS_LLROUNDL:
?C: This symbol, if defined, indicates that the llroundl routine is
?C: available to return the nearest long long value away from zero of
?C: the long double argument value.
?C:.
?H:#\$d_llroundl HAS_LLROUNDL /**/
?H:.
?LINT:set d_llroundl
: see if llroundl exists
set llroundl d_llroundl
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_llroundl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysvfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysvfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysvfs:

?S: This variable conditionally defines the I_SYSVFS symbol,

?S: and indicates whether a C program should include <sys/vfs.h>.

?S:.

?C:I_SYS_VFS:

?C: This symbol, if defined, indicates that <sys/vfs.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysvfs I_SYS_VFS /**/

?H:.

?LINT:set i_sysvfs

: see if this is a sys/vfs.h system

set sys/vfs.h i_sysvfs

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysvfs.U

No license file was found, but licenses were detected in source scan.

/*

* \$Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram \$

*

* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

*

* You may redistribute only under the terms of the Artistic Licence,

* as specified in the README file that comes with the distribution.

* You may reuse parts of this distribution only within the terms of

* that same Artistic Licence; a copy of which may be found at the root

* of the source tree for dist 4.0.

*

* \$Log: setsid.C,v \$

* Revision 3.0.1.1 1994/01/24 13:58:47 ram

* patch16: created

*
*/

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/setsid.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Nothing.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The purpose of this file is to supply an empty target for the private

?X: Makefile built by metaconfig to order the units.

?X:

?MAKE:Nothing: Head

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/U/Nothing.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_fdclose: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fdclose:

?S: This variable conditionally defines the HAS_FDCLOSE symbol, which

?S: indicates to the C program that the fdclose() routine is available.

?S:.

?C:HAS_FDCLOSE:

?C: This symbol, if defined, indicates that the fdclose routine is

?C: available to free a FILE structure without closing the underlying

?C: file descriptor. This function appeared in FreeBSD 10.2.

?C:.

?H:#\$d_fdclose HAS_FDCLOSE /**/

?H:
?LINT:set d_fdclose
: see if fdclose exists
set fdclose d_fdclose
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fdclose.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_socketmark: Inlibc

?MAKE: -pick add \$@ %<

?S:d_socketmark:

?S: This variable conditionally defines the HAS_SOCKETMARK symbol, which

?S: indicates to the C program that the socketmark() routine is available.

?S:.

?C:HAS_SOCKETMARK:

?C: This symbol, if defined, indicates that the socketmark routine is

?C: available to test whether a socket is at the out-of-band mark.

?C:.

?H:#\$d_socketmark HAS_SOCKETMARK /**/

?H:.

?LINT:set d_socketmark

: see if socketmark exists

set socketmark d_socketmark

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_socketmark.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the WRITEME file.

?RCS:

?MAKE:d_writev: Inlibc

```
?MAKE: -pick add $@ %<
?S:d_writev:
?S: This variable conditionally defines the HAS_WRITEV symbol, which
?S: indicates to the C program that the writev() routine is available.
?S:.
?C:HAS_WRITEV:
?C: This symbol, if defined, indicates that the writev routine is
?C: available to do scatter writes.
?C:.
?H:#$d_writev HAS_WRITEV /**/
?H:.
?LINT:set d_writev
: see if writev exists
set writev d_writev
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_writev.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fseeko: Inlibc longsize
?MAKE: -pick add $@ %<
?S:d_fseeko:
?S: This variable conditionally defines the HAS_FSEEKO symbol, which
?S: indicates to the C program that the fseeko() routine is available.
?S:.
?C:HAS_FSEEKO:
?C: This symbol, if defined, indicates that the fseeko routine is
?C: available to fseek beyond 32 bits (useful for ILP32 hosts).
?C:.
?H:#$d_fseeko HAS_FSEEKO /**/
?H:.
?LINT:set d_fseeko
: see if fseeko exists
set fseeko d_fseeko
eval $inlibc
case "$longsize" in
8) echo "(Your long is 64 bits, so you could use fseek.)" ;;
esac
```

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fseeko.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_copysignl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_copysignl:

?S: This variable conditionally defines the HAS_COPYSIGNL symbol, which

?S: indicates to the C program that the copysignl() routine is available.

?S: If aintl is also present we can emulate modfl.

?S:.

?C:HAS_COPYSIGNL:

?C: This symbol, if defined, indicates that the copysignl routine is

?C: available. If aintl is also present we can emulate modfl.

?C:.

?H:#\$d_copysignl HAS_COPYSIGNL /**/

?H:.

?LINT:set d_copysignl

: see if copysignl exists

set copysignl d_copysignl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_copysignl.U

No license file was found, but licenses were detected in source scan.

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?RCS: as specified in the README file that comes with the distribution.

?RCS:

?MAKE:i_stdint: Inhdr

?MAKE: -pick add \$@ %<

?S:i_stdint:

?S: This variable conditionally defines the I_STDINT symbol, which

?S: indicates to the C program that <stdint.h> exists and should

?S: be included.

?S:.

?C:I_STDINT:

?C: This symbol, if defined, indicates that <stdint.h> exists and

?C: should be included.

```
?C:
?H:#$i_stdint I_STDINT /**/
?H:
?LINT:set i_stdint
: see if stdint is available
set stdint.h i_stdint
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_stdint.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Null.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:10 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: This unit ends up producing shell code to set all variables to ". This
```

```
?X: probably isn't necessary, but I'm paranoid. About certain things.
```

```
?X:
```

```
?MAKE:Null: Head
```

```
?MAKE: -pick add.Null $@ %<
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/U/Null.U
```

No license file was found, but licenses were detected in source scan.

```
# You may redistribute only under the terms of the Artistic Licence,
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/files/fixcpp
```

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/errnolist.mk
```

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/bindex
```

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/makegloss

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_sendmsg: Inlibc

?MAKE: -pick add \$@ %<

?S:d_sendmsg:

?S: This variable conditionally defines the HAS_SENDMSG symbol, which

?S: indicates to the C program that the sendmsg() routine is available.

?S:.

?C:HAS_SENDMSG:

?C: This symbol, if defined, indicates that the sendmsg routine is

?C: available to send structured socket messages.

?C:.

?H:#\$d_sendmsg HAS_SENDMSG /**/

?H:.

?LINT:set d_sendmsg

: see if sendmsg exists

set sendmsg d_sendmsg

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_sendmsg.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_getfsstat : Inlibc

?MAKE: -pick add \$@ %<

?S:d_getfsstat:

?S: This variable conditionally defines the HAS_GETFSSTAT symbol, which

?S: indicates to the C program that the getfsstat() routine is available.

?S:.

?C:HAS_GETFSSTAT:

?C: This symbol, if defined, indicates that the getfsstat routine is

?C: available to stat filesystems in bulk.

?C:.

?H:#\$d_getfsstat HAS_GETFSSTAT /**/

?H:.

?LINT:set d_getfsstat

: see if getfsstat exists

set getfsstat d_getfsstat

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getfsstat.U

No license file was found, but licenses were detected in source scan.

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?RCS:

?MAKE:d_acosh: Inlibc

?MAKE: -pick add \$@ %<

?S:d_acosh:

?S: This variable conditionally defines the HAS_ACOSH symbol, which

?S: indicates to the C program that the acosh() routine is available.

?S:.

?C:HAS_ACOSH:

?C: This symbol, if defined, indicates that the acosh routine is

?C: available to do the inverse hyperbolic cosine function.

?C:.

?H:#\$d_acosh HAS_ACOSH /**/

?H:.

?LINT:set d_acosh

: see if acosh exists

set acosh d_acosh

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_acosh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS:

?MAKE:d_ualarm: Inlibc

?MAKE: -pick add \$@ %<

?S:d_ualarm:

?S: This variable conditionally defines the HAS_UALARM symbol, which

?S: indicates to the C program that the ualarm() routine is available.

?S:.

?C:HAS_UALARM:

?C: This symbol, if defined, indicates that the ualarm routine is

?C: available to do alarms with microsecond granularity.

?C:.

?H:#\$d_ualarm HAS_UALARM /**/

?H:.

?LINT:set d_ualarm

: see if ualarm exists

set ualarm d_ualarm

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_ualarm.U

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?RCS:

?MAKE:d_lgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lgamma:

?S: This variable conditionally defines the HAS_LGAMMA symbol, which

?S: indicates to the C program that the lgamma() routine is available

?S: for the log gamma function. See also d_tgamma and d_lgamma_r.

?S:.

?C:HAS_LGAMMA:

?C: This symbol, if defined, indicates that the lgamma routine is

?C: available to do the log gamma function. See also HAS_TGAMMA and

?C: HAS_LGAMMA_R.

?C:.

?H:#\$d_lgamma HAS_LGAMMA /**/

?H:.

?LINT:set d_lgamma

: see if lgamma exists

set lgamma d_lgamma

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lgamma.U

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?RCS:

?MAKE:d_atanh: Inlibc

?MAKE: -pick add \$@ %<

?S:d_atanh:

?S: This variable conditionally defines the HAS_ATANH symbol, which

?S: indicates to the C program that the atanh() routine is available.

?S:.

?C:HAS_ATANH:

?C: This symbol, if defined, indicates that the atanh routine is

?C: available to do the inverse hyperbolic tangent function.

?C:.

?H:#\$d_atanh HAS_ATANH /**/

?H:.

?LINT:set d_atanh

: see if atanh exists

set atanh d_atanh

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_atanh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2017 Dagfinn Ilmari Mannsåker

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_strnlen: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strnlen:

?S: This variable conditionally defines the HAS_STRNLEN symbol, which

?S: indicates to the C program that the strnlen () routine is available.

?S:.

?C:HAS_STRNLEN:

?C: This symbol, if defined, indicates that the strnlen () routine is

?C: available to check the length of a string up to a maximum.

?C:.

?H:#\$d_strnlen HAS_STRNLEN /**/

?H:.

?LINT:set d_strnlen

: see if strnlen exists

set strnlen d_strnlen

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strlen.U

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_fpgetround: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fpgetround:

?S: This variable conditionally defines HAS_FPGETROUND if fpgetround()

?S: is available to get the floating point rounding mode.

?S:.

?C:HAS_FPGETROUND:

?C: This symbol, if defined, indicates that the fpgetround routine is

?C: available to get the floating point rounding mode.

?C:.

?H:#\$d_fpgetround HAS_FPGETROUND /**/

?H:.

?LINT:set d_fpgetround

: see if fpgetround exists

set fpgetround d_fpgetround

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fpgetround.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2005 H.Merijn Brand

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_unsetenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d_unsetenv:

?S: This variable conditionally defines the HAS_UNSETENV symbol, which

?S: indicates to the C program that the unsetenv () routine is available.

?S:.

?C:HAS_UNSETENV:

?C: This symbol, if defined, indicates that the unsetenv () routine is

?C: available for use.

?C:.

?H:#\$d_unsetenv HAS_UNSETENV /**/

?H:
?LINT:set d_unsetenv
: see if unsetenv exists
set unsetenv d_unsetenv
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_unsetenv.U

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_erf: Inlibc

?MAKE: -pick add \$@ %<

?S:d_erf:

?S: This variable conditionally defines the HAS_ERF symbol, which

?S: indicates to the C program that the erf() routine is available.

?S:.

?C:HAS_ERF:

?C: This symbol, if defined, indicates that the erf routine is

?C: available to do the error function.

?C:.

?H:#\$d_erf HAS_ERF /**/

?H:

?LINT:set d_erf

: see if erf exists

set erf d_erf

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_erf.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_erfc: Inlibc

?MAKE: -pick add \$@ %<

?S:d_erfc:

?S: This variable conditionally defines the HAS_ERFC symbol, which

?S: indicates to the C program that the erfc() routine is available.

?S:.

?C:HAS_ERFC:

?C: This symbol, if defined, indicates that the erfc routine is

?C: available to do the complementary error function.

?C:.
?H:#\$d_erfc HAS_ERFC /**/
?H:.
?LINT:set d_erfc
: see if erfc exists
set erfc d_erfc
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_erfc.U

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_nearbyint: Inlibc

?MAKE: -pick add \$@ %<

?S:d_nearbyint:

?S: This variable conditionally defines HAS_NEARBYINT if nearbyint()

?S: is available to return the integral value closest to (according to

?S: the current rounding mode) to x.

?S:.

?C:HAS_NEARBYINT:

?C: This symbol, if defined, indicates that the nearbyint routine is

?C: available to return the integral value closest to (according to

?C: the current rounding mode) to x.

?C:.

?H:#\$d_nearbyint HAS_NEARBYINT /**/
?H:.

?LINT:set d_nearbyint

: see if nearbyint exists

set nearbyint d_nearbyint

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nearbyint.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d_dup3: Inlibc
?MAKE: -pick add \$@ %<
?S:d_dup3:
?S: This variable conditionally defines HAS_DUP3 if dup3() is
?S: available to duplicate file descriptors.
?S:.
?C:HAS_DUP3:
?C: This symbol, if defined, indicates that the dup3 routine is
?C: available to duplicate file descriptors.
?C:.
?H:#\$d_dup3 HAS_DUP3 /**/
?H:.
?LINT:set d_dup3
: see if dup3 exists
set dup3 d_dup3
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_dup3.U

No license file was found, but licenses were detected in source scan.

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?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_timegm: Inlibc
?MAKE: -pick add \$@ %<
?S:d_timegm:
?S: This variable conditionally defines the HAS_TIMEGM symbol, which
?S: indicates to the C program that the timegm () routine is available.
?S:.
?C:HAS_TIMEGM:
?C: This symbol, if defined, indicates that the timegm routine is
?C: available to do the opposite of gmtime ()
?C:.
?H:#\$d_timegm HAS_TIMEGM /**/
?H:.
?LINT:set d_timegm
: see if timegm exists
set timegm d_timegm
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/U/perl/d_timegm.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2019 Karl Williamson

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_towlower: Inlibc

?MAKE: -pick add \$@ %<

?S:d_towlower:

?S: This variable conditionally defines the HAS_TOWLOWER symbol, which

?S: indicates to the C program that the towlower() routine is available.

?S:.

?C:HAS_TOWLOWER:

?C: This symbol, if defined, indicates that the towlower () routine is

?C: available to do case conversion.

?C:.

?H:#\$d_towlower HAS_TOWLOWER /**/

?H:.

?LINT:set d_towlower

: see if towlower exists

set towlower d_towlower

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-

5.34.0/U/perl/d_towlower.U

No license file was found, but licenses were detected in source scan.

/*

* \$Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram \$

*

* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

*

* You may redistribute only under the terms of the Artistic Licence,

* as specified in the README file that comes with the distribution.

* You may reuse parts of this distribution only within the terms of

* that same Artistic Licence; a copy of which may be found at the root

* of the source tree for dist 4.0.

*

* \$Log: rename.C,v \$

* Revision 3.0.1.1 1994/01/24 13:58:42 ram

* patch16: created

*

*/

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/rename.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_ustat.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_ustat: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_ustat:

?S: This variable conditionally defines the I_USTAT symbol, and indicates

?S: whether a C program should include <ustat.h>.

?S:.

?C:I_USTAT:

?C: This symbol, if defined, indicates that <ustat.h> exists and

?C: should be included.

?C:.

?H:#\$i_ustat I_USTAT /**/

?H:.

?LINT:set i_ustat

: see if this is a ustat.h system

set ustat.h i_ustat

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_ustat.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysutsname.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i_sysutsname: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysutsname:

?S: This variable conditionally defines the I_SYSUTSNAME symbol,

?S: and indicates whether a C program should include <sys/utsname.h>.

?S:.

?C:I_SYSUTSNAME:

?C: This symbol, if defined, indicates that <sys/utsname.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysutsname I_SYSUTSNAME /**/

?H:.

?LINT:set i_sysutsname

: see if this is a sys/utsname.h system

set sys/utsname.h i_sysutsname

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysutsname.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS:

?MAKE:d_isinfl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_isinfl:

?S: This variable conditionally defines the HAS_ISINFL symbol, which

?S: indicates to the C program that the isinfl() routine is available.

?S:.

?C:HAS_ISINFL:

?C: This symbol, if defined, indicates that the isinfl routine is

?C: available to check whether a long double is an infinity.

?C:.

?H:#\$d_isinfl HAS_ISINFL /**/

?H:.

?LINT:set d_isinfl

: see if isinfl exists

set isinfl d_isinfl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_isinfl.U

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?RCS:

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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_copysign: Inlibc
?MAKE: -pick add \$@ %<
?S:d_copysign:
?S: This variable conditionally defines the HAS_COPYSIGN symbol, which
?S: indicates to the C program that the copysign() routine is available.
?S:.
?C:HAS_COPYSIGN:
?C: This symbol, if defined, indicates that the copysign routine is
?C: available to do the copysign function.
?C:.
?H:#\$d_copysign HAS_COPYSIGN /**/
?H:.
?LINT:set d_copysign
: see if copysign exists
set copysign d_copysign
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_copysign.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_ieeefp.U,v \$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_ieeefp: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_ieeefp:
?S: This variable conditionally defines the I_IEEEFP symbol, and indicates
?S: whether a C program should include <ieeefp.h>.
?S:.
?C:I_IEEEFP:
?C: This symbol, if defined, indicates that <ieeefp.h> exists and
?C: should be included.
?C:.
?H:#\$i_ieeefp I_IEEEFP /**/
?H:.
?LINT:set i_ieeefp
: see if this is a ieeefp.h system
case "\$i_ieeefp" in

```
) set ieeefp.h i_ieefp
  eval $inhdr
  ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_ieefp.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS:

?MAKE:d_fsync: Inlibc

?MAKE:-pick add \$@ %<

?S:d_fsync:

?S: This variable conditionally defines the HAS_FSYNC symbol, which

?S: indicates to the C program that the fsync() routine is available.

?S:.

?C:HAS_FSYNC:

?C: This symbol, if defined, indicates that the fsync routine is

?C: available to write a file's modified data and attributes to

?C: permanent storage.

?C:.

?H:#\$d_fsync HAS_FSYNC /**/

?H:.

?LINT:set d_fsync

: see if fsync exists

set fsync d_fsync

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fsync.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_aintl: Inlibc

?MAKE: -pick add \$@ %<
?S:d_aintl:
?S: This variable conditionally defines the HAS_AINTL symbol, which
?S: indicates to the C program that the aintl() routine is available.
?S: If copysignl is also present we can emulate modfl.
?S:.
?C:HAS_AINTL:
?C: This symbol, if defined, indicates that the aintl routine is
?C: available. If copysignl is also present we can emulate modfl.
?C:.
?H:#\$d_aintl HAS_AINTL /**/
?H:.
?LINT:set d_aintl
: see if aintl exists
set aintl d_aintl
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_aintl.U

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?RCS:

?MAKE:d_ilogb: Inlibc

?MAKE: -pick add \$@ %<

?S:d_ilogb:

?S: This variable conditionally defines the HAS_ILOGB symbol, which

?S: indicates to the C program that the ilogb() routine is available

?S: for extracting the exponent of double x as a signed integer.

?S:.

?C:HAS_ILOGB:

?C: This symbol, if defined, indicates that the ilogb routine is

?C: available to get integer exponent of a floating-point value.

?C:.

?H:#\$d_ilogb HAS_ILOGB /**/
?H:.

?LINT:set d_ilogb

: see if ilogb exists
set ilogb d_ilogb
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_ilogb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysuio.U,v \$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysuio: Inhdr
?MAKE: -pick add \$@ %<
?S:i_sysuio:
?S: This variable conditionally defines the I_SYSUIO symbol, and indicates
?S: whether a C program should include <sys/uio.h>.
?S:.
?C:I_SYSUIO:
?C: This symbol, if defined, indicates that <sys/uio.h> exists and
?C: should be included.
?C:.
?H:#\$i_sysuio I_SYSUIO /**/
?H:.
?LINT:set i_sysuio
: see if this is a sys/uio.h system
set sys/uio.h i_sysuio
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/modified/i_sysuio.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public
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?RCS:
?MAKE:d_lrint: Inlibc
?MAKE: -pick add \$@ %<
?S:d_lrint:
?S: This variable conditionally defines the HAS_LRINT symbol, which
?S: indicates to the C program that the lrint() routine is available
?S: to return the integral value closest to a double (according
?S: to the current rounding mode).
?S:.
?C:HAS_LRINT:
?C: This symbol, if defined, indicates that the lrint routine is
?C: available to return the integral value closest to a double
?C: (according to the current rounding mode).
?C:.
?H:#\$d_lrint HAS_LRINT /**/
?H:.
?LINT:set d_lrint

: see if lrint exists

set lrint d_lrint

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lrint.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_socks.U,v \$

?RCS:

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?RCS:

?MAKE:i_socks: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_socks:

?S: This variable conditionally defines the I_SOCKS symbol, and indicates

?S: whether a C program should include <socks.h>.

?S:.

?C:I_SOCKS:

?C: This symbol, if defined, indicates that <socks.h> exists and

?C: should be included.

?C:.

?H:#\$i_socks I_SOCKS /**/

?H:.

?LINT:set i_socks

: see if this is a socks.h system

set socks.h i_socks

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_socks.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS:

?MAKE:d_getmnt: Inlibc

?MAKE: -pick add \$@ %<

?S:d_getmnt:

?S: This variable conditionally defines the HAS_GETMNT symbol, which
?S: indicates to the C program that the getmnt() routine is available
?S: to retrieve one or more mount info blocks by filename.
?S:.
?C:HAS_GETMNT:
?C: This symbol, if defined, indicates that the getmnt routine is
?C: available to get filesystem mount info by filename.
?C:.
?H:#\$d_getmnt HAS_GETMNT /**/
?H:.
?LINT:set d_getmnt
: see if getmnt exists
set getmnt d_getmnt
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getmnt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sunmath.U,v \$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sunmath: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_sunmath:
?S: This variable conditionally defines the I_SUNMATH symbol, and indicates
?S: whether a C program should include <sunmath.h>.
?S:.
?C:I_SUNMATH:
?C: This symbol, if defined, indicates that <sunmath.h> exists and
?C: should be included.
?C:.
?H:#\$i_sunmath I_SUNMATH /**/
?H:.
?LINT:set i_sunmath
: see if this is a sunmath.h system
set sunmath.h i_sunmath
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sunmath.U

No license file was found, but licenses were detected in source scan.

```
/*
 * $Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram $
 *
 * Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
 *
 * You may redistribute only under the terms of the Artistic Licence,
 * as specified in the README file that comes with the distribution.
 * You may reuse parts of this distribution only within the terms of
 * that same Artistic Licence; a copy of which may be found at the root
 * of the source tree for dist 4.0.
 *
 * Original Author: Larry Wall <lwall@netlabs.com>
 *
 * $Log: dup2.C,v $
 * Revision 3.0.1.1 1994/01/24 13:58:37 ram
 * patch16: created
 *
 */
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/dup2.C
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_poll.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_poll: Inhdr Hasfield
?MAKE:-pick add $@ %<
?S:i_poll:
?S: This variable conditionally defines the I_POLL symbol, and indicates
?S: whether a C program should include <poll.h>.
?S:.
?C:I_POLL:
?C: This symbol, if defined, indicates that <poll.h> exists and
?C: should be included. (see also HAS_POLL)
?C:.
?H:#$i_poll I_POLL /**/
?H:.
?LINT:set i_poll
: see if this is a poll.h system
set poll.h i_poll
```

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_poll.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_atoll: Inlibc

?MAKE: -pick add \$@ %<

?S:d_atoll:

?S: This variable conditionally defines the HAS_ATOLL symbol, which

?S: indicates to the C program that the atoll() routine is available.

?S:.

?C:HAS_ATOLL:

?C: This symbol, if defined, indicates that the atoll routine is

?C: available to convert strings into long longs.

?C:.

?H:#\$d_atoll HAS_ATOLL /**/

?H:.

?LINT:set d_atoll

: see if atoll exists

set atoll d_atoll

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/atoll.U

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?RCS:

?MAKE:d_lgamma_r: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lgamma_r:

?S: This variable conditionally defines the HAS_LGAMMA_R symbol, which

?S: indicates to the C program that the lgamma_r() routine is available

?S: for the log gamma function, without using the global signgam variable.

?S:.

?C:HAS_LGAMMA_R:

?C: This symbol, if defined, indicates that the lgamma_r routine is

?C: available to do the log gamma function without using the global

?C: signgam variable.

?C:.

?H:#\$d_lgamma_r HAS_LGAMMA_R /**/

?H:.

?LINT:set d_lgamma_r

: see if lgamma_r exists

set lgamma_r d_lgamma_r

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lgamma_r.U

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d_setitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d_setitimer:

?S: This variable conditionally defines the HAS_SETITIMER symbol, which

?S: indicates to the C program that the setitimer() routine is available.

?S:.

?C:HAS_SETITIMER:

?C: This symbol, if defined, indicates that the setitimer routine is

?C: available to set interval timers.

?C:.

?H:#\$d_setitimer HAS_SETITIMER /**/

?H:.

?LINT:set d_setitimer

: see if setitimer exists

set setitimer d_setitimer

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_setitimer.U

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?RCS: \$Id: i_poll.U,v \$

?RCS:

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?RCS:

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?RCS:

?MAKE:i_langinfo: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_langinfo:

?S: This variable conditionally defines the I_LANGINFO symbol,

?S: and indicates whether a C program should include <langinfo.h>.

?S:.

?C:I_LANGINFO:

?C: This symbol, if defined, indicates that <langinfo.h> exists and

?C: should be included.

?C:.

?H:#\$i_langinfo I_LANGINFO /**/

?H:.

?LINT:set i_langinfo

: see if this is a langinfo.h system

set langinfo.h i_langinfo

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_langinfo.U

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?RCS:

?MAKE:d_hypot: Inlibc

?MAKE: -pick add \$@ %<

?S:d_hypot:

?S: This variable conditionally defines HAS_HYPOT if hypot is available

?S: for numerically stable hypotenuse function.

?S:.

?C:HAS_HYPOT:

?C: This symbol, if defined, indicates that the hypot routine is

?C: available to do the hypotenuse function.

?C:.

?H:#\$d_hypot HAS_HYPOT /**/

?H:.

?LINT:set d_hypot

: see if hypot exists

set hypot d_hypot

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_hypot.U

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```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_strtold_l: Inlibc
?MAKE: -pick add $@ %<
?S:d_strtold_l:
?S: This variable conditionally defines the HAS_STRTOLD_L symbol, which
?S: indicates to the C program that the strtold_l() routine is available.
?S:.
?C:HAS_STRTOLD_L:
?C: This symbol, if defined, indicates that the strtold_l routine is
?C: available to convert strings to long doubles.
?C:.
?H:#$d_strtold_l HAS_STRTOLD_L /**/
?H:.
?LINT:set d_strtold_l
: see if strtold_l exists
set strtold_l d_strtold_l
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-
5.34.0/U/threads/d_strtold_l.U
```

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```
/*
```

```
* $Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram $
*
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
* You may redistribute only under the terms of the Artistic Licence,
* as specified in the README file that comes with the distribution.
* You may reuse parts of this distribution only within the terms of
* that same Artistic Licence; a copy of which may be found at the root
* of the source tree for dist 4.0.
*
* $Log: scandir.C,v $
* Revision 3.0.1.1 1994/01/24 13:58:45 ram
* patch16: created
*
*/
```

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/lib/C/fake/scandir.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS:

?MAKE:d_readv: Inlibc

?MAKE: -pick add \$@ %<

?S:d_readv:

?S: This variable conditionally defines the HAS_READV symbol, which

?S: indicates to the C program that the readv() routine is available.

?S:.

?C:HAS_READV:

?C: This symbol, if defined, indicates that the readv routine is

?C: available to do gather reads. You will also need <sys/uio.h>

?C: and there I_SYSUIO.

?C:.

?H:#\$d_readv HAS_READV /**/

?H:.

?LINT:set d_readv

: see if readv exists

set readv d_readv

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_readv.U

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?RCS:

?MAKE:d_asinh: Inlibc

?MAKE: -pick add \$@ %<

?S:d_asinh:

?S: This variable conditionally defines the HAS_ASINH symbol, which

?S: indicates to the C program that the asinh() routine is available.

?S:.

?C:HAS_ASINH:

?C: This symbol, if defined, indicates that the asinh routine is

?C: available to do the inverse hyperbolic sine function.

?C:.

?H:#\$d_asinh HAS_ASINH /**/

?H:.

?LINT:set d_asinh

: see if asinh exists

set asinh d_asinh

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_asinh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS:

?MAKE:d_strtod_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strtod_l:

?S: This variable conditionally defines the HAS_STRTOD_L symbol, which

?S: indicates to the C program that the strtod_l() routine is available.

?S:.

?C:HAS_STRTOD_L:

?C: This symbol, if defined, indicates that the strtod_l routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d_strtod_l HAS_STRTOD_L /**/

?H:.

?LINT:set d_strtod_l

: see if strtod_l exists

set strtod_l d_strtod_l

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/threads/d_strtod_l.U

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?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_unordered: Inlibc
?MAKE: -pick add \$@ %<
?S:d_unordered:
?S: This variable conditionally defines the HAS_UNORDERED symbol, which
?S: indicates to the C program that the unordered() routine is available.
?S:.
?C:HAS_UNORDERED:
?C: This symbol, if defined, indicates that the unordered routine is
?C: available to check whether two doubles are unordered
?C: (effectively: whether either of them is NaN)
?C:.
?H:#\$d_unordered HAS_UNORDERED /**/
?H:.
?LINT:set d_unordered
: see if unordered exists
set unordered d_unordered
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_unordered.U

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?RCS: \$Id: i_fp.U,v \$
?RCS:
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?RCS:
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?RCS:
?MAKE:i_fp: Inhdr
?MAKE: -pick add \$@ %<
?S:i_fp:
?S: This variable conditionally defines the I_FP symbol, and indicates
?S: whether a C program should include <fp.h>.
?S:.
?C:I_FP:
?C: This symbol, if defined, indicates that <fp.h> exists and
?C: should be included.
?C:.
?H:#\$i_fp I_FP /**/
?H:.
?LINT:set i_fp
: see if this is a fp.h system
set fp.h i_fp
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_fp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_atolf: Inlibc

?MAKE: -pick add \$@ %<

?S:d_atolf:

?S: This variable conditionally defines the HAS_ATOLF symbol, which

?S: indicates to the C program that the atolf() routine is available.

?S:.

?C:HAS_ATOLF:

?C: This symbol, if defined, indicates that the atolf routine is

?C: available to convert strings into long doubles.

?C:.

?H:#\$d_atolf HAS_ATOLF /**/

?H:.

?LINT:set d_atolf

: see if atolf exists

set atolf d_atolf

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/atolf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_fp_classl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fp_classl:

?S: This variable conditionally defines the HAS_FP_CLASSL symbol, which

?S: indicates to the C program that the fp_classl() routine is available.

?S:.

?C:HAS_FP_CLASSL:

?C: This symbol, if defined, indicates that the fp_classl routine is

?C: available to classify long doubles. Available for example in

?C: Digital UNIX. See for possible values HAS_FP_CLASS.

?C:.

?H:#\$d_fp_classl HAS_FP_CLASSL /**/

?H:.

?LINT:set d_fp_classl

: see if fp_classl exists

set fp_classl d_fp_classl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fp_classl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_sqrtl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_sqrtl:

?S: This variable conditionally defines the HAS_SQRTL symbol, which

?S: indicates to the C program that the sqrtl() routine is available.

?S:.

?C:HAS_SQRTL:

?C: This symbol, if defined, indicates that the sqrtl routine is

?C: available to do long double square roots.

?C:.

?H:#\$d_sqrtl HAS_SQRTL /**/

?H:.

?LINT:set d_sqrtl

: see if sqrtl exists

set sqrtl d_sqrtl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_sqrtl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i_sysmode.U,v \$

?RCS:

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?RCS:

?MAKE:i_sysmode: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysmode:

?S: This variable conditionally defines the I_SYSMODE symbol,

?S: and indicates whether a C program should include <sys/mode.h>.

?S:.

?C:I_SYSMODE:

?C: This symbol, if defined, indicates that <sys/mode.h> exists and

?C: should be included.

?C:.

?H:#\$i_sysmode I_SYSMODE /**/

?H:.

?LINT:set i_sysmode

: see if this is a sys/mode.h system

set sys/mode.h i_sysmode

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysmode.U

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?RCS:

?MAKE:d_lrintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lrintl:

?S: This variable conditionally defines the HAS_LRINTL symbol, which

?S: indicates to the C program that the lrintl() routine is available

?S: to return the integral value closest to a long double (according

?S: to the current rounding mode).

?S:.

?C:HAS_LRINTL:

?C: This symbol, if defined, indicates that the lrintl routine is

?C: available to return the integral value closest to a long double

?C: (according to the current rounding mode).

?C:.

?H:#\$d_lrintl HAS_LRINTL /**/

?H:.

?LINT:set d_lrintl

: see if lrintl exists

set lrintl d_lrintl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lrintl.U

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?RCS:

?MAKE:d_rint: Inlibc

?MAKE: -pick add \$@ %<

?S:d_rint:

?S: This variable conditionally defines the HAS_RINT symbol, which

?S: indicates to the C program that the rint() routine is available.

?S:.

?C:HAS_RINT:

?C: This symbol, if defined, indicates that the rint routine is

?C: available to return the nearest integral value to x as double

?C: using the current rounding mode.

?C:.

?H:#\$d_rint HAS_RINT /**/

?H:.

?LINT:set d_rint

: see if rint exists

set rint d_rint

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_rint.U

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?RCS:

?MAKE:d_scalbn: Inlibc

?MAKE: -pick add \$@ %<

?S:d_scalbn:

?S: This variable conditionally defines the HAS_SCALBN symbol, which

?S: indicates to the C program that the scalbn() routine is available.

?S:.

?C:HAS_SCALBN:

?C: This symbol, if defined, indicates that the scalbn routine is

?C: available to multiply floating-point number by integral power

?C: of radix.

?C:.

?H:#\$d_scalbn HAS_SCALBN /**/

?H:.

?LINT:set d_scalbn

```
: see if scalbn exists
set scalbn d_scalbn
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_scalbn.U
```

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?RCS:

?MAKE:d_logb: Inlibc

?MAKE: -pick add \$@ %<

?S:d_logb:

?S: This variable conditionally defines the HAS_LOGB symbol, which

?S: indicates to the C program that the logb() routine is available

?S: to extract the exponent of x.

?S:.

?C:HAS_LOGB:

?C: This symbol, if defined, indicates that the logb routine is

?C: available to do the logb function.

?C:.

?H:#\$d_logb HAS_LOGB /**/

?H:.

?LINT:set d_logb

```
: see if logb exists
```

```
set logb d_logb
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_logb.U
```

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?RCS:

?MAKE:d_fmax: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fmax:

?S: This variable conditionally defines the HAS_FMAX symbol, which

?S: indicates to the C program that the fmax() routine is available.

?S:.

?C:HAS_FMAX:

?C: This symbol, if defined, indicates that the fmax routine is

?C: available to do the maximum function.

?C:.

?H:#\$d_fmax HAS_FMAX /**/

?H:.

?LINT:set d_fmax

: see if fmax exists

set fmax d_fmax

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fmax.U

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?RCS:

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?RCS:

?MAKE:d_ftello: Inlibc longsize

?MAKE: -pick add \$@ %<

?S:d_ftello:

?S: This variable conditionally defines the HAS_FTELLO symbol, which

?S: indicates to the C program that the ftello() routine is available.

?S:.

?C:HAS_FTELLO:

?C: This symbol, if defined, indicates that the ftello routine is

?C: available to ftell beyond 32 bits (useful for ILP32 hosts).

?C:.

?H:#\$d_ftello HAS_FTELLO /**/

?H:.

?LINT:set d_ftello

: see if ftello exists

set ftello d_ftello

eval \$inlibc

case "\$longsize" in

8) echo "(Your long is 64 bits, so you could use ftell.)" ;;

esac

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_ftello.U

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?RCS:

?MAKE:d_trunc: Inlibc

?MAKE: -pick add \$@ %<
?S:d_trunc:
?S: This variable conditionally defines the HAS_TRUNC symbol, which
?S: indicates to the C program that the trunc() routine is available
?S: to round doubles towards zero.
?S:.
?C:HAS_TRUNC:
?C: This symbol, if defined, indicates that the trunc routine is
?C: available to round doubles towards zero.
?C:.
?H:#\$d_trunc HAS_TRUNC /**/
?H:.
?LINT:set d_trunc
: see if trunc exists
set trunc d_trunc
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_trunc.U

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?RCS:
?MAKE:d_qgcvt: Inlibc
?MAKE: -pick add \$@ %<
?S:d_qgcvt:
?S: This variable conditionally defines the HAS_QGCVT symbol, which
?S: indicates to the C program that the qgcvt() routine is available.
?S:.
?C:HAS_QGCVT:
?C: This symbol, if defined, indicates that the qgcvt routine is
?C: available to convert long doubles ("quad doubles") to strings.
?C: This is a low-level routine hopefully faster than sprintf.
?C:.
?H:#\$d_qgcvt HAS_QGCVT /**/
?H:.
?LINT:set d_qgcvt
: see if qgcvt exists
set qgcvt d_qgcvt
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_qgcvt.U

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?RCS:

?MAKE:d_remquo: Inlibc

?MAKE: -pick add \$@ %<

?S:d_remquo:

?S: This variable conditionally defines the HAS_REMQUO symbol, which

?S: indicates to the C program that the remquo() routine is available.

?S:.

?C:HAS_REMQUO:

?C: This symbol, if defined, indicates that the remquo routine is

?C: available to return the remainder and part of quotient.

?C:.

?H:#\$d_remquo HAS_REMQUO /**/

?H:.

?LINT:set d_remquo

: see if remquo exists

set remquo d_remquo

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_remquo.U

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?RCS:

?MAKE:d_exp2: Inlibc

?MAKE: -pick add \$@ %<

?S:d_exp2:

?S: This variable conditionally defines the HAS_EXP2 symbol, which

?S: indicates to the C program that the exp2() routine is available.

?S:.

?C:HAS_EXP2:

?C: This symbol, if defined, indicates that the exp2 routine is

?C: available to do the 2**x function.

?C:.

?H:#\$d_exp2 HAS_EXP2 /**/

?H:.

?LINT:set d_exp2

: see if exp2 exists

set exp2 d_exp2

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_exp2.U

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?RCS:

?MAKE:d_fchdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fchdir:

?S: This variable conditionally defines the HAS_FCHDIR symbol, which

?S: indicates to the C program that the fchdir() routine is available.

?S:.

?C:HAS_FCHDIR:

?C: This symbol, if defined, indicates that the fchdir routine is

?C: available to change directory using a file descriptor.

?C:.

?H:#\$d_fchdir HAS_FCHDIR /**/

?H:.

?LINT:set d_fchdir

: see if fchdir exists

set fchdir d_fchdir

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fchdir.U

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?RCS:

?MAKE:d_inetntop: Inlibc

?MAKE: -pick add \$@ %<

?S:d_inetntop:

?S: This variable conditionally defines the HAS_INETNTOP symbol,

?S: which indicates to the C program that the inet_ntop() function

?S: is available.

?S:.

?C:HAS_INETNTOP:

?C: This symbol, if defined, indicates that the inet_ntop() function

?C: is available to parse IPv4 and IPv6 strings.

?C:.

?H:#\$d_inetntop HAS_INETNTOP /**/

?H:.

?LINT:set d_inetntop

: see if inet_ntop exists

set inet_ntop d_inetntop

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_inetntop.U

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?RCS: \$Id: i_mntent.U,v \$

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?RCS:

?MAKE:i_mntent: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_mntent:

?S: This variable conditionally defines the I_MNTENT symbol, and indicates

?S: whether a C program should include <mntent.h>.

?S:.

?C:I_MNTENT:

?C: This symbol, if defined, indicates that <mntent.h> exists and

?C: should be included.

?C:.

?H:#\$i_mntent I_MNTENT /**/

?H:.

?LINT:set i_mntent

: see if this is a mntent.h system

set mntent.h i_mntent

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_mntent.U

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?RCS:

?MAKE:d_getitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d_getitimer:

?S: This variable conditionally defines the HAS_GETITIMER symbol, which

?S: indicates to the C program that the getitimer() routine is available.

?S:.

?C:HAS_GETITIMER:

?C: This symbol, if defined, indicates that the getitimer routine is

?C: available to return interval timers.

?C:.

?H:#\$d_getitimer HAS_GETITIMER /**/

?H:.

?LINT:set d_getitimer

: see if getitimer exists

set getitimer d_getitimer

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getitimer.U

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?RCS:

?MAKE:d_llround: Inlibc

?MAKE: -pick add \$@ %<

?S:d_llround:

?S: This variable conditionally defines the HAS_LLROUND symbol, which

?S: indicates to the C program that the llround() routine is available

?S: to return the long long value nearest to x.

?S:.

?C:HAS_LLROUND:

?C: This symbol, if defined, indicates that the llround routine is

?C: available to return the nearest long long value.

?C:.

?H:#\$d_llround HAS_LLROUND /**/

?H:.

?LINT:set d_llround

: see if llround exists

set llround d_llround

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_llround.U

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?RCS:

?MAKE:d_tgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d_tgamma:

?S: This variable conditionally defines the HAS_TGAMMA symbol, which

?S: indicates to the C program that the tgamma() routine is available

?S: for the gamma function. See also d_lgamma.

?S:.

?C:HAS_TGAMMA:

?C: This symbol, if defined, indicates that the tgamma routine is

?C: available to do the gamma function. See also HAS_LGAMMA.

?C:.

?H:#\$d_tgamma HAS_TGAMMA /**/

?H:.

?LINT:set d_tgamma

: see if tgamma exists

set tgamma d_tgamma

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_tgamma.U

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?RCS: \$Id: i_sysstatfs.U,v \$

?RCS:

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?RCS:

?MAKE:i_sysstatfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_sysstatfs:

?S: This variable conditionally defines the I_SYSSTATFS symbol,

?S: and indicates whether a C program should include <sys/statfs.h>.

?S:.

?C:I_SYS_STATFS:

?C: This symbol, if defined, indicates that <sys/statfs.h> exists.

?C:.

?H:#\$i_sysstatfs I_SYS_STATFS /**/

```
?H:
?LINT:set i_sysstatfs
: see if this is a sys/statfs.h system
set sys/statfs.h i_sysstatfs
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysstatfs.U
```

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```
?RCS: $Id: i_fp_class.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
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```

```
?RCS:
```

```
?MAKE:i_fp_class: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_fp_class:
```

```
?S: This variable conditionally defines the I_FP_CLASS symbol, and indicates
```

```
?S: whether a C program should include <fp_class.h>.
```

```
?S:.
```

```
?C:I_FP_CLASS:
```

```
?C: This symbol, if defined, indicates that <fp_class.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_fp_class I_FP_CLASS /**/
```

```
?H:
```

```
?LINT:set i_fp_class
```

```
: see if this is a fp_class.h system
```

```
set fp_class.h i_fp_class
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_fp_class.U
```

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```

```
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```

```
?RCS:
```

```
?MAKE:d_nan: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_nan:
```

```
?S: This variable conditionally defines HAS_NAN if nan() is
```

```
?S: available to generate NaN.
```

?S:
?C:HAS_NAN:
?C: This symbol, if defined, indicates that the nan routine is
?C: available to generate NaN.
?C.:
?H:#\$d_nan HAS_NAN /**/
?H.:
?LINT:set d_nan
: see if nan exists
set nan d_nan
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nan.U

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?RCS:

?MAKE:d_expm1: Inlibc

?MAKE: -pick add \$@ %<

?S:d_expm1:

?S: This variable conditionally defines the HAS_EXPM1 symbol, which

?S: indicates to the C program that the expm1() routine is available.

?S.:

?C:HAS_EXPM1:

?C: This symbol, if defined, indicates that the expm1 routine is

?C: available to do the exp(x) - 1 when x is near 1 function.

?C.:

?H:#\$d_expm1 HAS_EXPM1 /**/
?H.:

?LINT:set d_expm1

: see if expm1 exists

set expm1 d_expm1

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_expm1.U

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?RCS:

?MAKE:d_fmin: Inlibc

?MAKE: -pick add \$@ %<

?S:d_fmin:

?S: This variable conditionally defines the HAS_FMIN symbol, which

?S: indicates to the C program that the fmin() routine is available.

?S:.

?C:HAS_FMIN:

?C: This symbol, if defined, indicates that the fmin routine is

?C: available to do the minimum function.

?C:.

?H:#\$d_fmin HAS_FMIN /**/

?H:.

?LINT:set d_fmin

: see if fmin exists

set fmin d_fmin

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fmin.U

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?RCS:

?MAKE:d_strtold: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strtold:

?S: This variable conditionally defines the HAS_STRTOLD symbol, which

?S: indicates to the C program that the strtold() routine is available.

?S:.

?C:HAS_STRTOLD:

?C: This symbol, if defined, indicates that the strtold routine is

?C: available to convert strings to long doubles.

?C:.

?H:#\$d_strtold HAS_STRTOLD /**/

?H:.

?LINT:set d_strtold

: see if strtold exists

set strtold d_strtold

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strtold.U

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?RCS:
?MAKE:d_frexp: Inlibc
?MAKE: -pick add \$@ %<
?S:d_frexp:
?S: This variable conditionally defines the HAS_FREXP symbol, which
?S: indicates to the C program that the frexp() routine is available.
?S:.
?C:HAS_FREXP:
?C: This symbol, if defined, indicates that the frexp routine is
?C: available to break a long double floating-point number into
?C: a normalized fraction and an integral power of 2.
?C:.
?H:#\$d_frexp HAS_FREXP /**/
?H:.
?LINT:set d_frexp
: see if frexp exists
set frexp d_frexp
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_frexp.U

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?RCS:
?MAKE:d_log2: Inlibc
?MAKE: -pick add \$@ %<
?S:d_log2:
?S: This variable conditionally defines the HAS_LOG2 symbol, which
?S: indicates to the C program that the log2() routine is available
?S: to compute log base two.
?S:.
?C:HAS_LOG2:
?C: This symbol, if defined, indicates that the log2 routine is
?C: available to do the log2 function.
?C:.
?H:#\$d_log2 HAS_LOG2 /**/
?H:.
?LINT:set d_log2
: see if log2 exists

```
set log2 d_log2
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_log2.U
```

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?RCS:

?MAKE:i_fenv: Inhdr

?MAKE: -pick add \$@ %<

?S:i_fenv:

?S: This variable conditionally defines the I_FENV symbol, which

?S: indicates to the C program that <fenv.h> exists and should

?S: be included.

?S:.

?C:I_FENV:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <fenv.h> to get the floating point environment definitions.

?C:.

?H:#\$i_fenv I_FENV /**/

?H:.

?LINT:set i_fenv

: see if this is a fenv.h system

set fenv.h i_fenv

eval \$inhdr

Found in path(s):

```
* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_fenv.U
```

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?RCS:

?MAKE:d_getcwd: Inlibc

?MAKE: -pick add \$@ %<

?S:d_getcwd:

?S: This variable conditionally defines the HAS_GETCWD symbol, which

?S: indicates to the C program that the getcwd() routine is available

?S: to get the current working directory.

?S:.

?C:HAS_GETCWD :
?C: This symbol, if defined, indicates that the getcwd routine is
?C: available to get the current working directory.
?C:.
?H:#\$d_getcwd HAS_GETCWD /**/
?H:.
?LINT:set d_getcwd
: see if getcwd exists
set getcwd d_getcwd
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getcwd.U

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?RCS:
?MAKE:d_isfinitel: Inlibc
?MAKE: -pick add \$@ %<
?S:d_isfinitel:
?S: This variable conditionally defines the HAS_ISFINITEL symbol, which
?S: indicates to the C program that the isfinitel() routine is available.
?S:.
?C:HAS_ISFINITEL:
?C: This symbol, if defined, indicates that the isfinitel routine is
?C: available to check whether a long double is finite.
?C: (non-infinity non-NaN).
?C:.
?H:#\$d_isfinitel HAS_ISFINITEL /**/
?H:.
?LINT:set d_isfinitel
: see if isfinitel exists
set isfinitel d_isfinitel
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_isfinitel.U

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?RCS:
?MAKE:d_nexttoward: Inlibc
?MAKE: -pick add \$@ %<
?S:d_nexttoward:
?S: This variable conditionally defines HAS_NEXTTOWARD if nexttoward()
?S: is available to return the next machine representable long double from
?S: x in direction y.
?S:.
?C:HAS_NEXTTOWARD:
?C: This symbol, if defined, indicates that the nexttoward routine is
?C: available to return the next machine representable long double from
?C: x in direction y.
?C:.
?H:#\$d_nexttoward HAS_NEXTTOWARD /**/
?H:.
?LINT:set d_nexttoward
: see if nexttoward exists
set nexttoward d_nexttoward
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nexttoward.U

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?RCS:
?MAKE:d_mkdtmp: Inlibc
?MAKE: -pick add \$@ %<
?S:d_mkdtmp:
?S: This variable conditionally defines the HAS_MKDTEMP symbol, which
?S: indicates to the C program that the mkdtmp() routine is available
?S: to exclusively create a uniquely named temporary directory.
?S:.
?C:HAS_MKDTEMP :
?C: This symbol, if defined, indicates that the mkdtmp routine is
?C: available to exclusively create a uniquely named temporary directory.
?C:.
?H:#\$d_mkdtmp HAS_MKDTEMP /**/
?H:.
?LINT:set d_mkdtmp
: see if mkdtmp exists
set mkdtmp d_mkdtmp

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_mkdttemp.U

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?RCS:

?MAKE:d_nextafter: Inlibc

?MAKE: -pick add \$@ %<

?S:d_nextafter:

?S: This variable conditionally defines HAS_NEXTAFTER if nextafter()

?S: is available to return the next machine representable double from

?S: x in direction y.

?S:.

?C:HAS_NEXTAFTER:

?C: This symbol, if defined, indicates that the nextafter routine is

?C: available to return the next machine representable double from

?C: x in direction y.

?C:.

?H:#\$d_nextafter HAS_NEXTAFTER /**/

?H:.

?LINT:set d_nextafter

: see if nextafter exists

set nextafter d_nextafter

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_nextafter.U

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?RCS:

?MAKE:d_socks5_init: Inlibc

?MAKE: -pick add \$@ %<

?S:d_socks5_init:

?S: This variable conditionally defines the HAS_SOCKS5_INIT symbol, which

?S: indicates to the C program that the socks5_init() routine is available.

?S:.

?C:HAS_SOCKS5_INIT:

?C: This symbol, if defined, indicates that the socks5_init routine is

?C: available to initialize SOCKS 5.

?C:.

?H:#\$d_socks5_init HAS_SOCKS5_INIT /**/

?H:.

?LINT:set d_socks5_init

: see if socks5_init exists

set socks5_init d_socks5_init

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_socks5_init.U

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?RCS:

?MAKE:i_quadmath: Inhdr

?MAKE: -pick add \$@ %<

?S:i_quadmath:

?S: This variable conditionally defines I_QUADMATH, which indicates

?S: to the C program that it should include <quadmath.h>.

?S:.

?C:I_QUADMATH:

?C: This symbol, if defined, indicates that <quadmath.h> exists and

?C: should be included.

?C:.

?H:#\$i_quadmath I_QUADMATH /**/

?H:.

?LINT:set i_quadmath

: see if this is a quadmath.h system

set quadmath.h i_quadmath

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_quadmath.U

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?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d_towupper: Inlibc

?MAKE: -pick add \$@ %<
?S:d_towupper:
?S: This variable conditionally defines the HAS_TOWUPPER symbol, which
?S: indicates to the C program that the towupper() routine is available.
?S:.
?C:HAS_TOWUPPER:
?C: This symbol, if defined, indicates that the towupper () routine is
?C: available to do case conversion.
?C:.
?H:#\$d_towupper HAS_TOWUPPER /**/
?H:.
?LINT:set d_towupper
: see if towupper exists
set towupper d_towupper
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_towupper.U

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?RCS: \$Id: i_sysstatvfs.U,v \$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysstatvfs: Inhdr Hasfield
?MAKE: -pick add \$@ %<
?S:i_sysstatvfs:
?S: This variable conditionally defines the I_SYSSTATVFS symbol,
?S: and indicates whether a C program should include <sys/statvfs.h>.
?S:.
?C:I_SYS_STATVFS:
?C: This symbol, if defined, indicates that <sys/statvfs.h> exists and
?C: should be included.
?C:.
?H:#\$i_sysstatvfs I_SYS_STATVFS /**/
?H:.
?LINT:set i_sysstatvfs
: see if this is a sys/statvfs.h system
set sys/statvfs.h i_sysstatvfs
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_sysstatvfs.U

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Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/dist/files/Jmake.tmpl

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?RCS:

?MAKE:d_log1p: Inlibc

?MAKE: -pick add \$@ %<

?S:d_log1p:

?S: This variable conditionally defines the HAS_LOG1P symbol, which

?S: indicates to the C program that the logp1() routine is available

?S: to compute $\log(1 + x)$ for values of x close to zero.

?S:.

?C:HAS_LOG1P:

?C: This symbol, if defined, indicates that the log1p routine is

?C: available to do the logarithm of 1 plus argument function.

?C:.

?H:#\$d_log1p HAS_LOG1P /**/

?H:.

?LINT:set d_log1p

: see if log1p exists

set log1p d_log1p

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_log1p.U

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?RCS: \$Id: i_crypt.U,v \$

?RCS:

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?RCS:

?MAKE:i_crypt: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_crypt:

?S: This variable conditionally defines the I_CRYPT symbol, and indicates

?S: whether a C program should include <crypt.h>.

?S:.

?C:I_CRYPT:
?C: This symbol, if defined, indicates that <crypt.h> exists and
?C: should be included.
?C:.
?H:#\$i_crypt I_CRYPT /**/
?H:.
?LINT:set i_crypt
: see if this is a crypt.h system
set crypt.h i_crypt
eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_crypt.U

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?RCS:

?MAKE:d_lroundl: Inlibc

?MAKE: -pick add @\$ %<

?S:d_lroundl:

?S: This variable conditionally defines the HAS_LROUNDL symbol, which

?S: indicates to the C program that the lroundl() routine is available

?S: to return the integral value nearest to x away from zero.

?S:.

?C:HAS_LROUNDL:

?C: This symbol, if defined, indicates that the lroundl routine is

?C: available to return the nearest integral value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d_lroundl HAS_LROUNDL /**/
?H:.

?LINT:set d_lroundl

: see if lroundl exists

set lroundl d_lroundl

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lroundl.U

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?RCS:

?MAKE:d_fstatfs : Inlibc

?MAKE: -pick add \$@ %<

?S:d_fstatfs:

?S: This variable conditionally defines the HAS_FSTATFS symbol, which

?S: indicates to the C program that the fstatfs() routine is available.

?S:.

?C:HAS_FSTATFS:

?C: This symbol, if defined, indicates that the fstatfs routine is

?C: available to stat filesystems by file descriptors.

?C:.

?H:#\$d_fstatfs HAS_FSTATFS /**/

?H:.

?LINT:set d_fstatfs

: see if fstatfs exists

set fstatfs d_fstatfs

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_fstatfs.U

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?RCS:

?MAKE:d_finitel: Inlibc

?MAKE: -pick add \$@ %<

?S:d_finitel:

?S: This variable conditionally defines the HAS_FINITEL symbol, which

?S: indicates to the C program that the finitel() routine is available.

?S:.

?C:HAS_FINITEL:

?C: This symbol, if defined, indicates that the finitel routine is

?C: available to check whether a long double is finite

?C: (non-infinity non-NaN).

?C:.

?H:#\$d_finitel HAS_FINITEL /**/

?H:.

?LINT:set d_finitel

: see if finitel exists

set finitel d_finitel

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_finitel.U

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?RCS:

?MAKE:d_lround: Inlibc

?MAKE: -pick add \$@ %<

?S:d_lround:

?S: This variable conditionally defines the HAS_LROUND symbol, which

?S: indicates to the C program that the lround() routine is available

?S: to return the integral value nearest to x.

?S:.

?C:HAS_LROUND:

?C: This symbol, if defined, indicates that the lround routine is

?C: available to return the nearest integral value.

?C:.

?H:#\$d_lround HAS_LROUND /**/

?H:.

?LINT:set d_lround

: see if lround exists

set lround d_lround

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_lround.U

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?RCS:

?MAKE:d_recvmsg: Inlibc

?MAKE: -pick add \$@ %<

?S:d_recvmsg:

?S: This variable conditionally defines the HAS_RECVMSG symbol, which

?S: indicates to the C program that the recvmsg() routine is available.

?S:.

?C:HAS_RECVMSG:

?C: This symbol, if defined, indicates that the recvmsg routine is

?C: available to send structured socket messages.

?C:.
?H:#\$d_recvmsg HAS_RECVMMSG /**/
?H:.
?LINT:set d_recvmsg
: see if recvmsg exists
set recvmsg d_recvmsg
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_recvmsg.U

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?RCS:
?MAKE:d_getnameinfo: Inlibc
?MAKE: -pick add \$@ %<
?S:d_getnameinfo:
?S: This variable conditionally defines the HAS_GETNAMEINFO symbol,
?S: which indicates to the C program that the getnameinfo() function
?S: is available.
?S:.
?C:HAS_GETNAMEINFO:
?C: This symbol, if defined, indicates that the getnameinfo() function
?C: is available for use.
?C:.
?H:#\$d_getnameinfo HAS_GETNAMEINFO /**/
?H:.
?LINT:set d_getnameinfo
: see if getnameinfo exists
set getnameinfo d_getnameinfo
eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_getnameinfo.U

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?RCS: \$Id: i_shadow.U,v \$
?RCS:
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?RCS:

?MAKE:i_prot: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i_prot:

?S: This variable conditionally defines the I_PROT symbol, and indicates

?S: whether a C program should include <prot.h>.

?S:.

?C:I_PROT:

?C: This symbol, if defined, indicates that <prot.h> exists and

?C: should be included.

?C:.

?H:#\$i_prot I_PROT /**/

?H:.

?LINT:set i_prot

: see if this is a prot.h system

set prot.h i_prot

eval \$inhdr

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/i_prot.U

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?RCS:

?MAKE:d_llrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d_llrint:

?S: This variable conditionally defines the HAS_LLRRINT symbol, which

?S: indicates to the C program that the llrint() routine is available

?S: to return the long long value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS_LLRRINT:

?C: This symbol, if defined, indicates that the llrint routine is

?C: available to return the long long value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d_llrint HAS_LLRRINT /**/

?H:.

?LINT:set d_llrint

: see if llrint exists

set llrint d_llrint

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_llrint.U

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* Feel free to modify any of this as the need arises. Note, however,

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/metaconfig.html

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?RCS:

?MAKE:d_strtoq: Inlibc

?MAKE: -pick add \$@ %<

?S:d_strtoq:

?S: This variable conditionally defines the HAS_STRTOQ symbol, which

?S: indicates to the C program that the strtouq() routine is available.

?S:.

?C:HAS_STRTOQ:

?C: This symbol, if defined, indicates that the strtouq routine is

?C: available to convert strings to long longs (quads).

?C:.

?H:#\$d_strtoq HAS_STRTOQ /**/

?H:.

?LINT:set d_strtoq

: see if strtouq exists

set strtouq d_strtoq

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_strtoq.U

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?RCS:

?MAKE:d_truncl: Inlibc

?MAKE: -pick add \$@ %<

?S:d_truncl:

?S: This variable conditionally defines the HAS_TRUNCL symbol, which

?S: indicates to the C program that the truncl() routine is available

?S: to round long doubles towards zero. If copysignl is also present,

?S: we can emulate modfl.

?S:.

?C:HAS_TRUNCCL :

?C: This symbol, if defined, indicates that the trunc routine is

?C: available. If copysignl is also present we can emulate modfl.

?C:.

?H:#\$d_trunc HAS_TRUNCCL /**/

?H:.

?LINT:set d_trunc

: see if trunc exists

set trunc d_trunc

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/perl/d_trunc.U

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?RCS:

?MAKE:d_localeconv_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d_localeconv_l:

?S: This variable conditionally defines the HAS_LOCALECONV_L symbol, which

?S: indicates to the C program that the localeconv_l() routine is available.

?S:.

?C:HAS_LOCALECONV_L:

?C: This symbol, if defined, indicates that the localeconv_l routine is

?C: available to query certain information about a locale.

?C:.

?H:#\$d_localeconv_l HAS_LOCALECONV_L /**/

?H:.

?LINT:set d_localeconv_l

: see if localeconv_l exists

set localeconv_l d_localeconv_l

eval \$inlibc

Found in path(s):

* /opt/cola/permits/1855222460_1701164249.130429/0/perl-5-34-0-orig-regen-configure-1-tar-xz/metaconfig-5.34.0/U/threads/d_localeconv_l.U

1.98 tar 1.34+dfsg-1 ubuntu0.1.22.04.2

1.98.1 Available under license :

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Version 3, 29 June 2007

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```
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1.99 sqlite 3.37.2-2ubuntu0.3

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1.100 pam 1.4.0-1ubuntu2.4

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the
user logs in, and set a flag in the user's homedir if possible to prevent
repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam/modules/pam_motd/pam_motd.c

```
-----  
--- pam.orig/modules/pam_motd/pam_motd.c  
+++ pam/modules/pam_motd/pam_motd.c  
@@ -282,6 +282,65 @@ static void try_to_display_directories_w  
    _pam_drop(dirscans);  
}  
  
+int display_legal(pam_handle_t *pamh)  
+{  
+    int retval = PAM_IGNORE, rc;  
+    char *user = NULL;  
+    char *dir = NULL;  
+    char *flag = NULL;  
+    struct passwd *pwd = NULL;  
+    struct stat s;  
+    int f;  
+    /* Get the user name to determine if we need to print the disclaimer */  
+    rc = pam_get_item(pamh, PAM_USER, &user);  
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')  
+    {  
+        PAM_MODUTIL_DEF_PRIVS(privs);  
+    }  
+}
```

```

+ /* Get the password entry */
+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+     if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+         pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID to %d temporarily\n",
+             pwd->pw_uid);
+         retval = PAM_SESSION_ERR;
+         goto finished;
+     }
+
+     if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+         goto finished;
+     if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+         goto finished;
+
+     if (stat(flag, &s) != 0)
+     {
+         int fd = open("/etc/legal", O_RDONLY, 0);
+         if (fd >= 0) {
+             try_to_display_fd(pamh, fd);
+             close(fd);
+         }
+         mkdir(dir, 0700);
+         f = open(flag,
+             O_WRONLY|O_CREAT|O_EXCL,
+             S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+         if (f>=0) close(f);
+     }
+
+ +finished:
+     if (pam_modutil_regain_priv(pamh, &privs)) {
+         pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID back to %d\n", privs.old_uid);
+         retval = PAM_SESSION_ERR;
+     }
+
+     _pam_drop(flag);
+     _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
+ int pam_sm_open_session(pam_handle_t *pamh, int flags,
+     int argc, const char **argv)
+ {

```

```
@ -396,6 +455,9 @@ int pam_sm_open_session(pam_handle_t *pa
try_to_display_directories_with_overrides(pamh, motd_dir_path_split,
num_motd_dir_paths, report_missing);
```

```
+ /* Display the legal disclaimer only if necessary */
```

```
+ retval = display_legal(pamh);
```

```
+
```

```
out:
```

```
  _pam_drop(motd_path_copy);
```

```
  _pam_drop(motd_path_split);
```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

It was downloaded from <ftp://ftp.kernel.org/pub/linux/libs/pam/pre/>

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1.101 libpamg 1.4.0-11ubuntu2.4

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1.102 libpammodulesbin 1.4.0-11ubuntu2.4

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1.103 systemd 249.11-0ubuntu3.12

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

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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```
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```

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1.107 shadow 4.8.1-2ubuntu2.2

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```
/* infcover.c -- test zlib's inflate routines with full code coverage
* Copyright (C) 2011, 2016 Mark Adler
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*/
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/infcover.c
```

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```
/* unzip.h -- IO for uncompress .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )
```

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Changes

See header of unzip64.c

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

No license file was found, but licenses were detected in source scan.

/* unzip.c -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - (<http://www.winimage.com/zLibDll/minizip.html>)

Copyright (C) 1998-2010 Gilles Vollant (minizip) (<http://www.winimage.com/zLibDll/minizip.html>)

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)

For more info read MiniZip_info.txt

Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.
Code woven in by Terry Thorsen 1/2003.

Copyright (c) 1990-2000 Info-ZIP. All rights reserved.

See the accompanying
file LICENSE, version 2000-Apr-09 or later
(the contents of which are also included in zip.h) for terms of use.
If, for some reason, all these files are missing, the Info-ZIP license
also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>

crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl_unzGetCurrentFileZStreamPos
2007-2008 - Even Rouault - Decoration of symbol names unz* -> cpl_unz*
2007-2008 - Even Rouault - Remove old C style function prototypes
2007-2008 - Even Rouault - Add unzip support for ZIP64

Copyright (C) 2007-2008 Even Rouault

Oct-2009 - Mathias Svensson - Removed cpl_* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).

Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G
should only read the compressed/uncompressed size from the Zip64 format if
the size from normal header was 0xFFFFFFFF

Oct-2009 - Mathias Svensson - Applied some bug fixes from patches received from Gilles Vollant

Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.c

No license file was found, but licenses were detected in source scan.

/* zutil.h -- internal interface and configuration of the compression library

* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h

No license file was found, but licenses were detected in source scan.

/* compress.c -- compress a memory buffer

* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c

No license file was found, but licenses were detected in source scan.

/* zutil.c -- target dependent utility functions for the compression library

* Copyright (C) 1995-2017 Jean-loup Gailly

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c

No license file was found, but licenses were detected in source scan.

/* inffast.h -- header to use inffast.c

* Copyright (C) 1995-2003, 2010 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h
No license file was found, but licenses were detected in source scan.

```
/* gun.c -- simple gunzip to give an example of the use of inflateBack()
 * Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 * Version 1.7 12 August 2012 Mark Adler */
```

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c

No license file was found, but licenses were detected in source scan.

```
/* inftrees.c -- generate Huffman trees for efficient decoding
 * Copyright (C) 1995-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infrees.c

No license file was found, but licenses were detected in source scan.

```
/* crc32.c -- compute the CRC-32 of a data stream
 * Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 *
 * Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
 * CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
 * tables for updating the shift register in one step with three exclusive-ors
 * instead of four steps with four exclusive-ors. This results in about a
 * factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.
 */
```

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c

No license file was found, but licenses were detected in source scan.

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Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3

No license file was found, but licenses were detected in source scan.

```
/* inffast.c -- fast decoding
 * Copyright (C) 1995-2017 Mark Adler
```

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c

No license file was found, but licenses were detected in source scan.

/* inftrees.h -- header to use inftrees.c

* Copyright (C) 1995-2005, 2010 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.h

No license file was found, but licenses were detected in source scan.

/* inflate.h -- internal inflate state definition

* Copyright (C) 1995-2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h

No license file was found, but licenses were detected in source scan.

/* gzappend -- command to append to a gzip file

Copyright (C) 2003, 2012 Mark Adler, all rights reserved

version 1.2, 11 Oct 2012

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3. This notice may not be removed or altered from any source distribution.

Mark Adler madler@alumni.caltech.edu

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

No license file was found, but licenses were detected in source scan.

/* minigzip.c -- simulate gzip using the zlib compression library

* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minigzip.c

No license file was found, but licenses were detected in source scan.

/* Adler32.c -- compute the Adler-32 checksum of a data stream

* Copyright (C) 1995-2011, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c

No license file was found, but licenses were detected in source scan.

MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

Introduction

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant (<http://www.winimage.com/zLibDll/minizip.html>)

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0. All possible work was done for compatibility.

Background

When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal (<http://www.gdal.org/>)

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

Changed from MiniZip 1.0 to MiniZip 1.1

* Added ZIP64 support for unzip (by Even Rouault)

- * Added ZIP64 support for zip (by Mathias Svensson)
- * Reverted some changes that Even Rouault did.
- * Bunch of patches received from Gilles Vollant that he received for MiniZip from various users.
- * Added unzip patch for BZIP Compression method (patch created by Daniel Borca)
- * Added BZIP Compress method for zip
- * Did some refactoring and code cleanup

Credits

Gilles Vollant - Original MiniZip author
 Even Rouault - ZIP64 unzip Support
 Daniel Borca - BZip Compression method support in unzip
 Mathias Svensson - ZIP64 zip support
 Mathias Svensson - BZip Compression method support in zip

Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.
 Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>
 Zip File specification

Notes.

- * To be able to use BZip compression method in zip64.c or unzip64.c the BZIP2 lib is needed and HAVE_BZIP2 need to be defined.

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Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/MiniZip64_info.txt

No license file was found, but licenses were detected in source scan.

/* gzwrite.c -- zlib functions for writing gzip files

* Copyright (C) 2004-2017 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c

No license file was found, but licenses were detected in source scan.

Not copyrighted -- provided to the public domain

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zlib_how.html

No license file was found, but licenses were detected in source scan.

ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact zlib@gzip.org). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work

for most flavors of Unix. For Windows, use

one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use

make_vms.com.

Questions about zlib should be sent to <zlib@gzip.org>, or to Gilles Vollant <info@winimage.com> for the Windows DLL version. The zlib home page is <http://zlib.net/> . Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ http://zlib.net/zlib_faq.html before asking for help.

Mark Nelson <markn@ieee.org> wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/> .

The changes made in version 1.2.11 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/ .

zlib is available in Java using the java.util.zip package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/> .

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including <http://search.cpan.org/~pmqs/IO-Compress-Zlib/> .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html> .

zlib is built into tcl: <http://wiki.tcl.tk/4610> .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.

- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS or BEOS.
- For PalmOs, see <http://palmzlib.sourceforge.net/>

Acknowledgments:

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

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include

third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README

No license file was found, but licenses were detected in source scan.

/* uncompr.c -- decompress a memory buffer

* Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c

No license file was found, but licenses were detected in source scan.

/* zconf.h -- configuration of the zlib compression library

* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein

No license file was found, but licenses were detected in source scan.

/* gzread.c -- zlib functions for reading gzip files

* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c

No license file was found, but licenses were detected in source scan.

/* deflate.h -- internal compression state

* Copyright (C) 1995-2016 Jean-loup Gailly

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h

No license file was found, but licenses were detected in source scan.

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017
```

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jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h
```

No license file was found, but licenses were detected in source scan.

```
/* deflate.c -- compress data using the deflation algorithm
* Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c
```

No license file was found, but licenses were detected in source scan.

```
/*
* gzlog.c
* Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved
```

* For conditions of distribution and use, see copyright notice in gzlog.h

* version 2.2, 14 Aug 2012

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.c

No license file was found, but licenses were detected in source scan.

/* fitblk.c: example of fitting compressed output to a specified size

Not copyrighted -- provided to the public domain

Version 1.1 25 November 2004 Mark Adler */

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c

No license file was found, but licenses were detected in source scan.

/* gzjoin -- command to join gzip files into one gzip file

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version 1.2, 14 Aug 2012

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Mark Adler madler@alumni.caltech.edu

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c

No license file was found, but licenses were detected in source scan.

```
/* zran.c -- example of zlib/gzip stream indexing and random access
* Copyright (C) 2005, 2012 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
Version 1.1 29 Sep 2012 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c
```

No license file was found, but licenses were detected in source scan.

Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page

<http://zlib.net/> which may have more recent information.

The latest zlib FAQ is at http://zlib.net/zlib_faq.html

1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file `win32/DLL_FAQ.txt` in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/>.

3. Where can I get a Visual Basic interface to zlib?

See

* <http://marknelson.us/1997/01/01/zlib-engine/>

* `win32/DLL_FAQ.txt` in the zlib distribution

4. `compress()` returns `Z_BUF_ERROR`.

Make sure that before the call of `compress()`, the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual

Basic, check that this parameter is passed by reference

("as any"), not by value ("as long").

5. `deflate()` or `inflate()` returns `Z_BUF_ERROR`.

Before making the call, make sure that `avail_in` and `avail_out` are not zero.

When setting the parameter `flush` equal to `Z_FINISH`, also make sure that `avail_out` is big enough to allow processing all pending input. Note that a `Z_BUF_ERROR` is not fatal--another call to `deflate()` or `inflate()` can be

made with more input or output space. A `Z_BUF_ERROR` may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when `strm.avail_out` returns with zero. See http://zlib.net/zlib_how.html for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in `zlib.h`. Examples of zlib usage are in the files `test/example.c` and `test/minigzip.c`, with more in `examples/`.

7. Why don't you use GNU autoconf or libtool or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.

8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at zlib@gzip.org. Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to gzputc"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files `libz.*` in `/usr/lib`, `/usr/local/lib` or `/usr/X11R6/lib`. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the `contrib/delphi` directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory `contrib/minizip` in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an `uncompress` or `gunzip` subprocess, or adapt the code of `uncompress` on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web site: Joel Hainley, jhainley@myndkryme.com.

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/>. To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/>.

17. Why am I getting this "register_frame_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:
symbol __register_frame_info: referenced symbol not found
```

The symbol `__register_frame_info` is not part of zlib, it is generated by the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The compress and deflate functions produce data in the zlib format, which is different and incompatible with the gzip format. The gz* functions in zlib on the other hand use the gzip format. Both the zlib and gzip formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The gzip format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than gzip.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using deflateInit2(). You can also request that inflate decode the gzip format using inflateInit2(). Read zlib.h for more details.

21. Is zlib thread-safe?

Yes. However any library routines that zlib uses and any application-provided memory allocation routines must also be thread-safe. zlib's gz* functions use stdio library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's *Init* functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in zlib.h.

23. Is zlib under the GNU license?

No. Please read the license in zlib.h.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the ZLIB_VERSION and ZLIB_VERNUM #defines in zlib.h. In particular, the final version number needs to be changed to "f", and an identification string should be appended to ZLIB_VERSION. Version numbers

x.x.x.f are reserved for modifications to zlib by others than the zlib maintainers. For example, if the version of the base zlib you are altering is "1.2.3.4", then in zlib.h you should change ZLIB_VERNUM to 0x123f, and ZLIB_VERSION to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in deflate.c and infrees.c.

For altered source distributions, you should also note the origin and nature of the changes in zlib.h, as well as in ChangeLog and README, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled zlib library along with zlib.h and zconf.h is also a source distribution, and so you should change ZLIB_VERSION and ZLIB_VERNUM and note the origin and nature of the changes in zlib.h as you would for a full source distribution.

25.

Will zlib work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will zlib work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to zlib@gzip.org

27. Will zlib decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than does PKZIP and zlib. However, you can look in zlib's contrib/blast directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use Z_FULL_FLUSH, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those points. You have to be careful to not use Z_FULL_FLUSH too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See examples/zran.c .

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's contrib/puff directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work with greater than 4 GB of data?

Yes. inflate() and deflate() will process any amount of data correctly. Each call of inflate() or deflate() is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the strm.total_in and strm_total_out counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by inflate() or deflate(). The application can easily set up its own counters updated after each call of inflate() or deflate() to count beyond 4 GB. compress() and uncompress() may be limited to 4 GB, since they operate in a single call. gzseek() and gztell() may be limited to 4 GB depending on how zlib is compiled. See the zlibCompileFlags() function in zlib.h.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is

32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in gzprintf(). If zlib is compiled to use sprintf() or vsprintf(), then there is no protection against a buffer overflow of an 8K string space (or other value as set by gzbuffer()), other than the caller of gzprintf() assuring that the output will not exceed 8K. On the other hand, if zlib is compiled to use snprintf() or vsnprintf(), which should normally be the case, then there is no vulnerability. The ./configure script will display warnings if an insecure variation of sprintf() will be used by gzprintf(). Also the

zlibCompileFlags() function will return information on what variant of sprintf() is used by gzprintf().

If you don't have snprintf() or vsnprintf() and would like one, you can find a portable implementation here:

<http://www.ijs.si/software/snprintf/>

Note that you should be using the most recent version of zlib. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of zlib?

Probably what you want is to use zlib in Java. zlib is already included as part of the Java SDK in the java.util.zip package. If you really want a version of zlib written in the Java language, look on the zlib home page for links: <http://zlib.net/>.

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that deflate is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of deflate is not affected. This only started showing up recently since zlib 1.2.x uses malloc() by default for allocations, whereas earlier versions used calloc(), which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed data format?

Probably not. Look in the comp.compression FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/>, which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ

No license file was found, but licenses were detected in source scan.

/*

Additional tools for Minizip

Code: Xavier Roche '2004

License: Same as ZLIB (www.gzip.org)

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.h

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.c

No license file was found, but licenses were detected in source scan.

/* trees.c -- output deflated data using Huffman coding

* Copyright (C) 1995-2017 Jean-loup Gailly

* detect_data_type() function provided freely by Cosmin Truta, 2006

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c

No license file was found, but licenses were detected in source scan.

/* gzguts.h -- zlib internal header definitions for gz* operations

* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h

No license file was found, but licenses were detected in source scan.

/* gzclose.c -- zlib gzclose() function

* Copyright (C) 2004, 2010 Mark Adler

* For conditions of distribution and use, see copyright notice in zlib.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c

No license file was found, but licenses were detected in source scan.

/* zip.h -- IO on .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - (<http://www.winimage.com/zLibDll/minizip.html>)

Copyright (C) 1998-2010 Gilles Vollant (minizip) (<http://www.winimage.com/zLibDll/minizip.html>)

Modifications for Zip64 support

Copyright (C) 2009-2010 Mathias Svensson (<http://result42.com>)

For more info read MiniZip_info.txt

Condition of use and distribution are the same than zlib :

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Changes

See header of zip.h

*/

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-

1.2.11.dfsg/contrib/minizip/zip.h

No license file was found, but licenses were detected in source scan.

```
/* example.c -- usage example of the zlib compression library
* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/test/example.c
```

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```
/* gzlog.h
```

```
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved
version 2.2, 14 Aug 2012
```

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3. This notice may not be removed or altered from any source distribution.

Mark Adler madler@alumni.caltech.edu

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/examples/gzlog.h
```

No license file was found, but licenses were detected in source scan.

```
/* zpipe.c: example of proper use of zlib's inflate() and deflate()
Not copyrighted -- provided to the public domain
Version 1.4 11 December 2005 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
```

1.2.11.dfsg/examples/zpipe.c

No license file was found, but licenses were detected in source scan.

```
/* gzlib.c -- zlib functions common to reading and writing gzip files
 * Copyright (C) 2004-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c

No license file was found, but licenses were detected in source scan.

```
/* infback.c -- inflate using a call-back interface
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infback.c

No license file was found, but licenses were detected in source scan.

```
/* inflate.c -- zlib decompression
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c

No license file was found, but licenses were detected in source scan.

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Found in path(s):

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* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2

* /opt/cola/permits/1914974542_1708672473.0711682/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2

1.111 dpkg 1.21.1ubuntu2.3

1.111.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: dpkg

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lib/compat/getopt*
lib/compat/gettext.h
lib/compat/obstack.*
lib/compat/strnlen.c

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Files:

dselect/methods/Dselect/Ftp.pm
dselect/methods/ftp/*

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Copyright 1999-2001, 2005-2006, 2009 Raphael Hertzog <hertzog@debian.org>
License: GPL-2

Files:

scripts/Dpkg/Gettext.pm

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Copyright 2000 Joey Hess <joe@debian.org>
Copyright 2007, 2009-2010, 2012-2015 Guillem Jover <guillem@debian.org>
License: BSD-2-clause

Files:

utils/start-stop-daemon.c

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1.113 bash 5.1-6ubuntu1.1

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1.118 pyasn1 0.6.0

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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/ber/decoder.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/der/encoder.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/compat/__main__.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/tagmap.py

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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_opentype.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/setup.py

*

/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_univ.py

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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/native/decoder.py

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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/ber/eoo.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/compat/test_integer.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/debug.py

* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/native/test_encoder.py

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/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/namedval.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/der/decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/error.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/__main__.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/cer/test_decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/useful.py
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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/test_debug.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/cer/decoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/ber/encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/test_streaming.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/streaming.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/base.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/compat/integer.py
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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/der/__main__.py
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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/constraint.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/native/encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_namedtype.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/compat/test_octets.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_char.py

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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/namedtype.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_useful.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/ber/test_encoder.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_namedval.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/type/test_tag.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/base.py
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* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/tests/codec/native/__main__.py
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/opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/type/error.py
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1/codec/cer/encoder.py
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Metadata-Version: 2.1

Name: pyasn1

Version: 0.6.0

Summary: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

Home-page: <https://github.com/pyasn1/pyasn1>

Author: Ilya Etingof

Author-email: etingof@gmail.com

Maintainer: pyasn1 maintenance organization

Maintainer-email: Christian Heimes <christian@python.org>

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Project-URL: Documentation, <https://pyasn1.readthedocs.io>

Project-URL: Source, <https://github.com/pyasn1/pyasn1>

Project-URL: Issues, <https://github.com/pyasn1/pyasn1/issues>

Project-URL: Changelog, <https://pyasn1.readthedocs.io/en/latest/changelog.html>

Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Education

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

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Classifier: Programming Language :: Python :: 3.8

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Requires-Python: >=3.8
Description-Content-Type: text/markdown
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ASN.1 library for Python

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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

****NOTE:**** The package is now maintained by **Christian Heimes** and **Simon Pichugin** in project <https://github.com/pyasn1/pyasn1>.

Features

- * Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Can operate on streams of serialized data
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 3.8+
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
)
)
```
```

```

    ),
    DefaultedNamedType(
        'house', Integer(0).subtype(
            implicitTag=Tag(tagClassContext,
tagFormatSimple, 1)
        )
    )
)
)
...

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
...

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
0000: 30 07 02 01 7B 80 02 01 41
...

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

```python
>>> from pyasn1.codec.der.decoder
import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))

```

```

id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...

```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
...

```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/pyasn1/pyasn1-modules>).

## How to get pyasn1

-----

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<https://pyasn1.readthedocs.io/en/latest/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/pyasn1/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If

something does not work as expected,

[open an issue](<https://github.com/epyasn1/pyasn1/issues>) at GitHub or

post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>)

or try browsing pyasn1

[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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Found in path(s):

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/pyasn1.egg-info/PKG-INFO
```

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/PKG-INFO
```

No license file was found, but licenses were detected in source scan.

[metadata]

name = pyasn1

version = attr: pyasn1.\_\_version\_\_

description = Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

long\_description = file: README.md

long\_description\_content\_type = text/markdown

license = BSD-2-Clause

license\_files = LICENSE.rst

url = <https://github.com/pyasn1/pyasn1>

author = Ilya Etingof

author\_email = etingof@gmail.com

maintainer = pyasn1 maintenance organization

maintainer\_email = Christian Heimes <[christian@python.org](mailto:christian@python.org)>

project\_urls =

Documentation=<https://pyasn1.readthedocs.io>

Source=<https://github.com/pyasn1/pyasn1>

Issues=<https://github.com/pyasn1/pyasn1/issues>

Changelog=<https://pyasn1.readthedocs.io/en/latest/changelog.html>

platforms = any

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Console

Intended Audience :: Developers

Intended Audience :: Education  
Intended Audience :: Information Technology  
Intended Audience :: System Administrators  
Intended Audience :: Telecommunications Industry  
License :: OSI Approved :: BSD License  
Natural Language :: English  
Operating System :: OS Independent  
Programming Language :: Python :: 3  
Programming Language :: Python :: 3.8  
Programming Language :: Python :: 3.9  
Programming Language :: Python :: 3.10  
Programming Language :: Python :: 3.11  
Programming Language :: Python :: 3.12  
Programming Language :: Python :: Implementation :: CPython  
Programming Language :: Python :: Implementation :: PyPy  
Topic :: Communications  
Topic :: Software Development :: Libraries :: Python Modules

[options]

```
python_requires = >=3.8
zip_safe = True
setup_requires = setuptools
packages =
 pyasn1
 pyasn1.type
 pyasn1.compat
 pyasn1.codec
 pyasn1.codec.ber
 pyasn1.codec.cer
 pyasn1.codec.der
 pyasn1.codec.native
```

[bdist\_wheel]

```
universal = 1
```

[egg\_info]

```
tag_build =
tag_date = 0
```

Found in path(s):

```
* /opt/cola/permits/1969205340_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/setup.cfg
```

No license file was found, but licenses were detected in source scan.

ASN.1 library for Python

-----

[!PyPI](<https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000>)(<https://pypi.org/project/pyasn1>)

[!Python Versions](<https://img.shields.io/pypi/pyversions/pyasn1.svg>)(<https://pypi.org/project/pyasn1/>)

[[Build status]](<https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg>)](<https://github.com/pyasn1/pyasn1/actions/workflows/main.yml>)  
[[Coverage Status]](<https://img.shields.io/codecov/c/github/pyasn1/pyasn1.svg>)](<https://codecov.io/github/pyasn1/pyasn1>)  
[[GitHub license]](<https://img.shields.io/badge/license-BSD-blue.svg>)](<https://raw.githubusercontent.com/pyasn1/pyasn1/master/LICENSE.txt>)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification]([https://www.itu.int/rec/dologin\\_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items)).

**\*\*NOTE:\*\***

The package is now maintained by *\*Christian Heimes\** and *\*Simon Pichugin\** in project <https://github.com/pyasn1/pyasn1>.

Features

-----

- \* Generic implementation of ASN.1 types (X.208)
- \* Standards compliant BER/CER/DER codecs
- \* Can operate on streams of serialized data
- \* Dumps/loads ASN.1 structures from Python types
- \* 100% Python, works with Python 3.8+
- \* MT-safe
- \* Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

Why using pyasn1

-----

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology.

Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by Olivier Dubuisson is one of those high quality books freely

available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

-----

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id    INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            )
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            )
        )
    )
```
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```
```python
>>> record = Record()
```

```

>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
'''

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

'''python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000:
 30 07 02 01 7B 80 02 01 41
'''

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

'''python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
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>>> for field in received_record:
>>>   print('{} is {}'.format(field, received_record[field]))
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>>>
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```

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{'id': 123, 'room': 321,
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...

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Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

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-----

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Found in path(s):

\* /opt/cola/permits/1969205340\_1712771893.7331495/0/pyasn1-0-6-0-tar-gz/pyasn1-0.6.0/README.md

# 1.119 libuuid 2.37.2-4ubuntu3.4

## 1.119.1 Available under license :

NR START END SECTORS SIZE NAME UUID

1	32	7679	7648	3.7M	8f8378c0-01
2	7680	16383	8704	4.3M	8f8378c0-02
5	7936	12799	4864	2.4M	
6	12544	16127	3584	1.8M	

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts  
as the successor of the GNU Library Public License, version 2, hence  
the version number 2.1.]

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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  
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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.

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

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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:

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### 1.120.1 Available under license :

NR START END SECTORS SIZE NAME UUID

1 32 7679 7648 3.7M 8f8378c0-01

2 7680 16383 8704 4.3M 8f8378c0-02

5 7936 12799 4864 2.4M

6 12544 16127 3584 1.8M

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Version 2.1, February 1999

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\*/

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## 1.121.1 Available under license :

```
NR START END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M 8f8378c0-02
5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M
```

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```
WEV @@ WEV[B "1
```

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Version 2.1, February 1999

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#####

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Constant-time SSSE3 AES core implementation.
version 0.1

By Mike Hamburg (Stanford University), 2009
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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@subheading END OF TERMS AND CONDITIONS

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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@subheading END OF TERMS AND CONDITIONS

@page

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@page

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# 1.136 charset-normalizer 3.3.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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

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2.1.2	2.1.1	2002	PSF	yes
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Mersenne Twister

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The `\_random` module includes code based on a download from  
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following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
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#### Sockets

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The ``socket'` module uses the functions, ``getaddrinfo'`, and ``getnameinfo'`, which are coded in separate source files from the WIDE Project, [`http://www.wide.ad.jp/about/index.html'](http://www.wide.ad.jp/about/index.html).

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Floating point exception control  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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2.0.1	2.0+1.6.1	2001	PSF	yes
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2.1.2	2.1.1	2002	PSF	yes
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cmd/krb5/ipropl/ipropl.x
cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropl_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
```

lib/krb5/kadm5/kadm\_host\_srv\_names.c  
lib/krb5/kdb/kdb\_convert.c  
lib/krb5/kdb/kdb\_hdr.h  
lib/krb5/kdb/kdb\_log.c  
lib/krb5/kdb/kdb\_log.h  
lib/libgss/g\_accept\_sec\_context.c  
lib/libgss/g\_acquire\_cred.c  
lib/libgss/g\_canon\_name.c  
lib/libgss/g\_compare\_name.c  
lib/libgss/g\_context\_time.c  
lib/libgss/g\_delete\_sec\_context.c  
lib/libgss/g\_dsp\_name.c  
lib/libgss/g\_dsp\_status.c  
lib/libgss/g\_dup\_name.c  
lib/libgss/g\_exp\_sec\_context.c  
lib/libgss/g\_export\_name.c  
lib/libgss/g\_glue.c  
lib/libgss/g\_imp\_name.c  
lib/libgss/g\_imp\_sec\_context.c  
lib/libgss/g\_init\_sec\_context.c  
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lib/libgss/g\_rel\_buffer.c  
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lib/libgss/g\_store\_cred.c  
lib/libgss/g\_unseal.c  
lib/libgss/g\_userok.c  
lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
uts/common/gssapi/include/mechglueP.h

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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

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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  
kprop/kpropd\_rpc.c  
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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  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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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  
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lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
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lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
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kadmin/server/ipropd\_svc.c  
lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
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cmd/krb5/kadmin/server/ipropd\_svc.c  
cmd/krb5/kproplog/kproplog.c  
cmd/krb5/slave/kpropd\_rpc.c  
lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c  
lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h  
lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c  
lib/krb5/kadm5/kadm\_host\_srv\_names.c  
lib/krb5/kdb/kdb\_convert.c  
lib/krb5/kdb/kdb\_hdr.h  
lib/krb5/kdb/kdb\_log.c  
lib/krb5/kdb/kdb\_log.h  
lib/libgss/g\_accept\_sec\_context.c  
lib/libgss/g\_acquire\_cred.c  
lib/libgss/g\_canon\_name.c  
lib/libgss/g\_compare\_name.c  
lib/libgss/g\_context\_time.c  
lib/libgss/g\_delete\_sec\_context.c  
lib/libgss/g\_dsp\_name.c  
lib/libgss/g\_dsp\_status.c  
lib/libgss/g\_dup\_name.c  
lib/libgss/g\_exp\_sec\_context.c  
lib/libgss/g\_export\_name.c  
lib/libgss/g\_glue.c  
lib/libgss/g\_imp\_name.c  
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lib/libgss/g\_init\_sec\_context.c  
lib/libgss/g\_initialize.c  
lib/libgss/g\_inquire\_context.c  
lib/libgss/g\_inquire\_cred.c  
lib/libgss/g\_inquire\_names.c  
lib/libgss/g\_process\_context.c  
lib/libgss/g\_rel\_buffer.c  
lib/libgss/g\_rel\_cred.c  
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lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
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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  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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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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lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h  
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lib/krb5/kadm5/kadm\_host\_srv\_names.c  
lib/krb5/kdb/kdb\_convert.c  
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lib/krb5/kdb/kdb\_log.c  
lib/krb5/kdb/kdb\_log.h  
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lib/libgss/g\_acquire\_cred.c  
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lib/libgss/g\_export\_name.c  
lib/libgss/g\_glue.c  
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lib/libgss/g\_init\_sec\_context.c  
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lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
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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/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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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  
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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:

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kadmin/server/iprof\_svc.c  
lib/kdb/iprof.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  
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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
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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/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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## 1.151 cachetools 5.5.0

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## 1.152 e2fsprogs 1.46.5-2ubuntu1.2

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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#

# This is a Makefile stub which handles the creation of BSD shared # libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

```
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'/'$(BSD_LIB) $(BSD_LIB)`)
```

```
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LD_CONFIG)
```

```
install-strip: install
```

```
install-shlibs-strip:: install-shlibs
```

```
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c

=====  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell           2005
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Gadi Oxman, August 1995

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Theodore Ts'o  
23-June-2007

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
[tsx-11.mit.edu:/pub/linux/packages/ext2fs/](http://tsx-11.mit.edu/pub/linux/packages/ext2fs/)

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## 1.153 logsave 1.46.5-2ubuntu1.2

### 1.153.1 Available under license :

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It is part of the main e2fsprogs distribution, which can be found at:

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```

This is a Makefile stub which handles the creation of BSD shared
libraries.

In order to use this stub, the following makefile variables must be defined.

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LD\_FLAGS\_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;' /\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

@echo " INSTALL\_PROGRAM \$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)"

@\$(INSTALL\_PROGRAM) \$(BSD\_LIB) \

\$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD\_LIB)

\$(RM) -f ../\$(BSD\_LIB)

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell           2005
- + Copyright (C) Andrew Tridgell           1999-2005
- + Copyright (C) Jeremy Allison           2000-2006
- + Copyright (C) Paul `Rusty' Russell      2000

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Gadi Oxman, August 1995

-----  
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Theodore Ts'o  
23-June-2007

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Version 2, June 1991

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## 1.154 libext2fs2 1.46.5-2ubuntu1.2

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```

This is a Makefile stub which handles the creation of BSD shared
libraries.

In order to use this stub, the following makefile variables must be defined.

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

```
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBJS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's/lib/;"/$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

```
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
@-$(LDCONFIG)
```

```
install-strip: install
```

```
install-shlibs-strip:: install-shlibs
```

```
uninstall-shlibs uninstall::
```

```
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
```

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```
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```

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Theodore Ts'o  
23-June-2007

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Version 2, June 1991

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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## 1.155 libss 1.46.5-2ubuntu1.2

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```

This is a Makefile stub which handles the creation of BSD shared
libraries.

In order to use this stub, the following makefile variables must be defined.

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

```
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's;lib/;;' /$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

```
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
@-$(LDCONFIG)
```

```
install-strip: install
```

```
install-shlibs-strip:: install-shlibs
```

```
uninstall-shlibs uninstall::
```

```
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
```

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell 2005
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- + Copyright (C) Paul 'Rusty' Russell 2000

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Gadi Oxman, August 1995

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Theodore Ts'o  
23-June-2007

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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## 1.156 libcom-err 1.46.5-2ubuntu1.2

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```

This is a Makefile stub which handles the creation of BSD shared
libraries.

In order to use this stub, the following makefile variables must be defined.

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LDFLAGS\_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;' /\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

@echo " INSTALL\_PROGRAM \$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)"

@\$(INSTALL\_PROGRAM) \$(BSD\_LIB) \

\$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD\_LIB)

\$(RM) -f ../\$(BSD\_LIB)

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```

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```

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```

```
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Theodore Ts'o  
23-June-2007

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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## 1.157 idna 3.8

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python

releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2	1.2	1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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\*\* python-simplejson; version 3.17.2 --

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# 1.160 s3transfer 0.10.2

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# 1.161 botocore 1.35.8

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 "documentation":"<p>Creates a long-lived
token.</p><p>A refresh token is a JWT token used to get an access token. With an access token, you can call
AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the
specified license.</p>"
},
"DeleteGrant":{
 "name":"DeleteGrant",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"DeleteGrantRequest"},
 "output":{"shape":"DeleteGrantResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"}
],
 "documentation":"<p>Deletes the specified grant.</p>"
},
"DeleteLicense":{
 "name":"DeleteLicense",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"DeleteLicenseRequest"},
 "output":{"shape":"DeleteLicenseResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"RedirectException"},
 {"shape":"ConflictException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
]
}

```

```

],
 "documentation": "<p>Deletes the specified license.</p>"
 },
 "DeleteLicenseConfiguration": {
 "name": "DeleteLicenseConfiguration",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "DeleteLicenseConfigurationRequest" },
 "output": { "shape": "DeleteLicenseConfigurationResponse" },
 "errors": [
 { "shape": "InvalidParameterValueException" },
 { "shape": "ServerInternalException" },
 { "shape": "AuthorizationException" },
 { "shape": "AccessDeniedException" },
 { "shape": "RateLimitExceededException" }
],
 "documentation": "<p>Deletes the specified license configuration.</p> <p>You cannot delete a license configuration that is in use.</p>"
 },
 "DeleteLicenseManagerReportGenerator": {
 "name": "DeleteLicenseManagerReportGenerator",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "DeleteLicenseManagerReportGeneratorRequest" },
 "output": { "shape": "DeleteLicenseManagerReportGeneratorResponse" },
 "errors": [
 { "shape": "ValidationException" },
 { "shape": "InvalidParameterValueException" },
 { "shape": "ResourceLimitExceededException" },
 { "shape": "ServerInternalException" },
 { "shape": "AuthorizationException" },
 { "shape": "RateLimitExceededException" },
 { "shape": "AccessDeniedException" },
 { "shape": "ResourceNotFoundException" }
],
 "documentation": "<p>Deletes the specified report generator.</p> <p>This action deletes the report generator, which stops it from generating future reports. The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
 },
 "DeleteToken": {
 "name": "DeleteToken",
 "http": {
 "method": "POST",
 "requestUri": "/"
 }
 }
}

```

```

 },
 "input":{"shape":"DeleteTokenRequest"},
 "output":{"shape":"DeleteTokenResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"RedirectException"}
],
 "documentation":"<p>Deletes the specified token. Must be called in the license home Region.</p>"
 },
 "ExtendLicenseConsumption":{
 "name":"ExtendLicenseConsumption",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ExtendLicenseConsumptionRequest"},
 "output":{"shape":"ExtendLicenseConsumptionResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"ResourceNotFoundException"}
],
 "documentation":"<p>Extends the expiration date for license consumption.</p>"
 },
 "GetAccessToken":{
 "name":"GetAccessToken",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetAccessTokenRequest"},
 "output":{"shape":"GetAccessTokenResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},

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 {"shape":"ServerInternalException"}
],
 "documentation":"<p>Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens
are valid for one hour.</p>"
},
"GetGrant":{
 "name":"GetGrant",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetGrantRequest"},
 "output":{"shape":"GetGrantResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Gets detailed information about the specified grant.</p>"
},
"GetLicense":{
 "name":"GetLicense",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetLicenseRequest"},
 "output":{"shape":"GetLicenseResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"}
],
 "documentation":"<p>Gets detailed information about the specified license.</p>"
},
"GetLicenseConfiguration":{
 "name":"GetLicenseConfiguration",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "documentation":"<p>Gets detailed information about the specified license.</p>"
},

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"input":{"shape":"GetLicenseConfigurationRequest"},
"output":{"shape":"GetLicenseConfigurationResponse"},
"errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
"documentation":"<p>Gets detailed
information about the specified license configuration.</p>"
},
"GetLicenseConversionTask":{
 "name":"GetLicenseConversionTask",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetLicenseConversionTaskRequest"},
 "output":{"shape":"GetLicenseConversionTaskResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Gets information about the specified license type conversion task.</p>"
},
"GetLicenseManagerReportGenerator":{
 "name":"GetLicenseManagerReportGenerator",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetLicenseManagerReportGeneratorRequest"},
 "output":{"shape":"GetLicenseManagerReportGeneratorResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"AccessDeniedException"},
 {"shape":"ResourceNotFoundException"}
],
 "documentation":"<p>Gets information about the specified report generator.</p>"
}

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```

},
"GetLicenseUsage":{
 "name":"GetLicenseUsage",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetLicenseUsageRequest"},
 "output":{"shape":"GetLicenseUsageResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"}
],
 "documentation":"<p>Gets detailed information about the usage of the specified license.</p>"
},
"GetServiceSettings":{
 "name":"GetServiceSettings",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"GetServiceSettingsRequest"},
 "output":{"shape":"GetServiceSettingsResponse"},
 "errors":[
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Gets the License Manager settings for the current Region.</p>"
},
"ListAssociationsForLicenseConfiguration":{
 "name":"ListAssociationsForLicenseConfiguration",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListAssociationsForLicenseConfigurationRequest"},
 "output":{"shape":"ListAssociationsForLicenseConfigurationResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"FilterLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},

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 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the resource associations for the specified license configuration.</p> <p>Resource
associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance
might not consume a license (depending on the license rules).</p>"
},
"ListDistributedGrants":{
 "name":"ListDistributedGrants",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListDistributedGrantsRequest"},
 "output":{"shape":"ListDistributedGrantsResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the grants distributed for the specified license.</p>"
},
"ListFailuresForLicenseConfigurationOperations":{
 "name":"ListFailuresForLicenseConfigurationOperations",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListFailuresForLicenseConfigurationOperationsRequest"},
 "output":{"shape":"ListFailuresForLicenseConfigurationOperationsResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the license configuration operations that failed.</p>"
},
"ListLicenseConfigurations":{
 "name":"ListLicenseConfigurations",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },

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 },
 "input":{"shape":"ListLicenseConfigurationsRequest"},
 "output":{"shape":"ListLicenseConfigurationsResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"FilterLimitExceededException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the license configurations for your account.</p>"
 },
 "ListLicenseConversionTasks":{
 "name":"ListLicenseConversionTasks",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListLicenseConversionTasksRequest"},
 "output":{"shape":"ListLicenseConversionTasksResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the license type conversion tasks for your account.</p>"
 },
 "ListLicenseManagerReportGenerators":{
 "name":"ListLicenseManagerReportGenerators",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListLicenseManagerReportGeneratorsRequest"},
 "output":{"shape":"ListLicenseManagerReportGeneratorsResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"AccessDeniedException"},
 {"shape":"ResourceNotFoundException"}
]
 }
}

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],
 "documentation": "<p>Lists the report generators for your account.</p>"
 },
 "ListLicenseSpecificationsForResource": {
 "name": "ListLicenseSpecificationsForResource",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "ListLicenseSpecificationsForResourceRequest" },
 "output": { "shape": "ListLicenseSpecificationsForResourceResponse" },
 "errors": [
 { "shape": "InvalidParameterValueException" },
 { "shape": "ServerInternalException" },
 { "shape": "AuthorizationException" },
 { "shape": "AccessDeniedException" },
 { "shape": "RateLimitExceededException" }
]
 },
 "documentation": "<p>Describes the license configurations for the specified resource.</p>"
},
"ListLicenseVersions": {
 "name": "ListLicenseVersions",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "ListLicenseVersionsRequest" },
 "output": { "shape": "ListLicenseVersionsResponse" },
 "errors": [
 { "shape": "InvalidParameterValueException" },
 { "shape": "AuthorizationException" },
 { "shape": "AccessDeniedException" },
 { "shape": "RateLimitExceededException" },
 { "shape": "ServerInternalException" }
]
},
"documentation": "<p>Lists all versions of the specified license.</p>"
},
"ListLicenses": {
 "name": "ListLicenses",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "ListLicensesRequest" },
 "output": { "shape": "ListLicensesResponse" },
 "errors": [
 { "shape": "ValidationException" },
 { "shape": "InvalidParameterValueException" },

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 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"}
],
 "documentation":"<p>Lists the licenses for your account.</p>"
},
"ListReceivedGrants":{
 "name":"ListReceivedGrants",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListReceivedGrantsRequest"},
 "output":{"shape":"ListReceivedGrantsResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists grants that are received. Received grants are grants created while specifying the recipient as this Amazon Web Services account, your organization, or an organizational unit (OU) to which this member account belongs.</p>"
},
"ListReceivedGrantsForOrganization":{
 "name":"ListReceivedGrantsForOrganization",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListReceivedGrantsForOrganizationRequest"},
 "output":{"shape":"ListReceivedGrantsForOrganizationResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the grants received for all accounts in the organization.</p>"
},
"ListReceivedLicenses":{

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"name":"ListReceivedLicenses",
"http":{
 "method":"POST",
 "requestUri":"/"
},
"input":{"shape":"ListReceivedLicensesRequest"},
"output":{"shape":"ListReceivedLicensesResponse"},
"errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
"documentation":"<p>Lists received licenses.</p>"
},
"ListReceivedLicensesForOrganization":{
 "name":"ListReceivedLicensesForOrganization",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListReceivedLicensesForOrganizationRequest"},
 "output":{"shape":"ListReceivedLicensesForOrganizationResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"InvalidParameterValueException"},
 {"shape":"ResourceLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation":"<p>Lists the licenses received for all accounts in the organization.</p>"
},
"ListResourceInventory":{
 "name":"ListResourceInventory",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListResourceInventoryRequest"},
 "output":{"shape":"ListResourceInventoryResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},

```

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 {"shape":"FilterLimitExceededException"},
 {"shape":"FailedDependencyException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
},
"ListTagsForResource":{
 "name":"ListTagsForResource",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListTagsForResourceRequest"},
 "output":{"shape":"ListTagsForResourceResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation": "<p>Lists the tags for the specified license configuration.</p>"
},
"ListTokens":{
 "name":"ListTokens",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"ListTokensRequest"},
 "output":{"shape":"ListTokensResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"}
],
 "documentation": "<p>Lists your tokens.</p>"
},
"ListUsageForLicenseConfiguration":{
 "name":"ListUsageForLicenseConfiguration",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },

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```

"input":{"shape":"ListUsageForLicenseConfigurationRequest"},
"output":{"shape":"ListUsageForLicenseConfigurationResponse"},
"errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"FilterLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
"documentation":"<p>Lists all license usage records for a license configuration, displaying license consumption
details by resource at a selected point in time. Use this action to audit the current license consumption for any
license inventory and configuration.</p>"
},
"RejectGrant":{
"name":"RejectGrant",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"RejectGrantRequest"},
"output":{"shape":"RejectGrantResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"}
],
"documentation":"<p>Rejects the specified grant.</p>"
},
"TagResource":{
"name":"TagResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"TagResourceRequest"},
"output":{"shape":"TagResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
],

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"documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
},
"UntagResource": {
 "name": "UntagResource",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "UntagResourceRequest" },
 "output": { "shape": "UntagResourceResponse" },
 "errors": [
 { "shape": "InvalidParameterValueException" },
 { "shape": "ServerInternalException" },
 { "shape": "AuthorizationException" },
 { "shape": "AccessDeniedException" },
 { "shape": "RateLimitExceededException" }
],
 "documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
},
"UpdateLicenseConfiguration": {
 "name": "UpdateLicenseConfiguration",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "UpdateLicenseConfigurationRequest" },
 "output": { "shape": "UpdateLicenseConfigurationResponse" },
 "errors": [
 { "shape": "InvalidParameterValueException" },
 { "shape": "ServerInternalException" },
 { "shape": "AuthorizationException" },
 { "shape": "AccessDeniedException" },
 { "shape": "RateLimitExceededException" },
 { "shape": "ResourceLimitExceededException" }
],
 "documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
},
"UpdateLicenseManagerReportGenerator": {
 "name": "UpdateLicenseManagerReportGenerator",
 "http": {
 "method": "POST",
 "requestUri": "/"
 },
 "input": { "shape": "UpdateLicenseManagerReportGeneratorRequest" },
 "output": { "shape": "UpdateLicenseManagerReportGeneratorResponse" },
 "errors": [
 { "shape": "ValidationException" },
 { "shape": "InvalidParameterValueException" },

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 {"shape":"RateLimitExceededException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"ResourceLimitExceededException"}
],
 "documentation": "<p>Updates a report generator.</p> <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
},
"UpdateLicenseSpecificationsForResource":{
 "name":"UpdateLicenseSpecificationsForResource",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"UpdateLicenseSpecificationsForResourceRequest"},
 "output":{"shape":"UpdateLicenseSpecificationsForResourceResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"InvalidResourceStateException"},
 {"shape":"LicenseUsageException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],
 "documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p> <p>You can update the license specifications of AMIs, instances, and hosts. You cannot update the license specifications for launch templates and CloudFormation templates, as they send license configurations to the operation that creates the resource.</p>"
},
"UpdateServiceSettings":{
 "name":"UpdateServiceSettings",
 "http":{
 "method":"POST",
 "requestUri":"/"
 },
 "input":{"shape":"UpdateServiceSettingsRequest"},
 "output":{"shape":"UpdateServiceSettingsResponse"},
 "errors":[
 {"shape":"InvalidParameterValueException"},
 {"shape":"ServerInternalException"},
 {"shape":"AuthorizationException"},
 {"shape":"AccessDeniedException"},
 {"shape":"RateLimitExceededException"}
],

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 "documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
},
"shapes":{
 "AcceptGrantRequest":{
 "type":"structure",
 "required":["GrantArn"],
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>"
 }
 }
 },
 "AcceptGrantResponse":{
 "type":"structure",
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation": "<p>Grant ARN.</p>"
 },
 "Status":{
 "shape":"GrantStatus",
 "documentation": "<p>Grant status.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation": "<p>Grant version.</p>"
 }
 }
 },
 "AccessDeniedException":{
 "type":"structure",
 "members":{
 "Message":{ "shape":"Message" }
 },
 "documentation": "<p>Access to resource denied.</p>",
 "exception":true
 },
 "ActivationOverrideBehavior":{
 "type":"string",
 "enum":[
 "DISTRIBUTED_GRANTS_ONLY",
 "ALL_GRANTS_PERMITTED_BY_ISSUER"
]
 },
 "AllowedOperation":{
 "type":"string",

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"enum":[
 "CreateGrant",
 "CheckoutLicense",
 "CheckoutBorrowLicense",
 "CheckInLicense",
 "ExtendConsumptionLicense",
 "ListPurchasedLicenses",
 "CreateToken"
]
},
"AllowedOperationList":{
 "type":"list",
 "member":{"shape":"AllowedOperation"},
 "max":7,
 "min":1
},
"Arn":{
 "type":"string",
 "max":2048,
 "pattern":"^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d)?:[A-Za-z0-9][A-Za-z0-9_/-]{0,62}:[A-Za-z0-9_/-]{0,63}:[A-
Za-z0-9_/-]{0,63}:[A-Za-z0-9][A-Za-z0-9:/+.,@_-]{0,1023})$"
},
"ArnList":{
 "type":"list",
 "member":{"shape":"Arn"}
},
"AuthorizationException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>The Amazon Web Services user account does not have permission to perform the action.
Check the IAM policy associated with this account.</p>",
 "exception":true
},
"AutomatedDiscoveryInformation":{
 "type":"structure",
 "members":{
 "LastRunTime":{
 "shape":"DateTime",
 "documentation":"<p>Time
that automated discovery last ran.</p>"
 }
 },
 "documentation":"<p>Describes automated discovery.</p>"
},
"Boolean":{"type":"boolean"},
"BorrowConfiguration":{

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"type":"structure",
"required":[
 "AllowEarlyCheckIn",
 "MaxTimeToLiveInMinutes"
],
"members":{
 "AllowEarlyCheckIn":{
 "shape":"BoxBoolean",
 "documentation":"<p>Indicates whether early check-ins are allowed.</p>"
 },
 "MaxTimeToLiveInMinutes":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum time for the borrow configuration, in minutes.</p>"
 }
},
"documentation":"<p>Details about a borrow configuration.</p>"
},
"BoxBoolean":{"type":"boolean"},
"BoxInteger":{"type":"integer"},
"BoxLong":{"type":"long"},
"CheckInLicenseRequest":{
 "type":"structure",
 "required":["LicenseConsumptionToken"],
 "members":{
 "LicenseConsumptionToken":{
 "shape":"String",
 "documentation":"<p>License consumption token.</p>"
 },
 "Beneficiary":{
 "shape":"String",
 "documentation":"<p>License beneficiary.</p>"
 }
 }
},
"CheckInLicenseResponse":{
 "type":"structure",
 "members":{
 }
},
"CheckoutBorrowLicenseRequest":{
 "type":"structure",
 "required":[
 "LicenseArn",
 "Entitlements",
 "DigitalSignatureMethod",
 "ClientToken"
],
 "members":{

```

```

"LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license. The license must use the borrow
consumption configuration.</p>"
},
"Entitlements":{
 "shape":"EntitlementDataList",
 "documentation":"<p>License entitlements. Partial checkouts are not supported.</p>"
},
"DigitalSignatureMethod":{
 "shape":"DigitalSignatureMethod",

 "documentation":"<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm
PS384. For more information, see RFC 7518 Digital
Signature with RSASSA-PSS.</p>"
},
"NodeId":{
 "shape":"String",
 "documentation":"<p>Node ID.</p>"
},
"CheckoutMetadata":{
 "shape":"MetadataList",
 "documentation":"<p>Information about constraints.</p>"
},
"ClientToken":{
 "shape":"ClientToken",
 "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
}
},
"CheckoutBorrowLicenseResponse":{
 "type":"structure",
 "members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "LicenseConsumptionToken":{
 "shape":"String",
 "documentation":"<p>License consumption token.</p>"
 },
 "EntitlementsAllowed":{
 "shape":"EntitlementDataList",
 "documentation":"<p>Allowed license entitlements.</p>"
 },
 "NodeId":{
 "shape":"String",

```

```

 "documentation": "<p>Node ID.</p>"
 },
 "SignedToken": {
 "shape": "SignedToken",
 "documentation": "<p>Signed token.</p>"
 },
 "IssuedAt": {
 "shape": "ISO8601DateTime",
 "documentation": "<p>Date and time at which the license checkout is issued.</p>"
 },
 "Expiration": {
 "shape": "ISO8601DateTime",
 "documentation": "<p>Date and time at which the license checkout expires.</p>"
 },
 "CheckoutMetadata": {
 "shape": "MetadataList",
 "documentation": "<p>Information about constraints.</p>"
 }
}
},
"CheckoutLicenseRequest": {
 "type": "structure",
 "required": [
 "ProductSKU",
 "CheckoutType",
 "KeyFingerprint",
 "Entitlements",
 "ClientToken"
],
 "members": {
 "ProductSKU": {
 "shape": "String",
 "documentation": "<p>Product SKU.</p>"
 },
 "CheckoutType": {
 "shape": "CheckoutType",
 "documentation": "<p>Checkout type.</p>"
 },
 "KeyFingerprint": {
 "shape": "String",
 "documentation": "<p>Key fingerprint identifying the license.</p>"
 },
 "Entitlements": {
 "shape": "EntitlementDataList",
 "documentation": "<p>License entitlements.</p>"
 },
 "ClientToken": {
 "shape": "ClientToken",

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 "documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
 },
 "Beneficiary": {
 "shape": "String",
 "documentation": "<p>License beneficiary.</p>"
 },
 "NodeId": {
 "shape": "String",
 "documentation": "<p>Node ID.</p>"
 }
}
},
"CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "shape": "CheckoutType",
 "documentation": "<p>Checkout type.</p>"
 },
 "LicenseConsumptionToken": {
 "shape": "String",
 "documentation": "<p>License consumption token.</p>"
 },
 "EntitlementsAllowed": {
 "shape": "EntitlementDataList",
 "documentation": "<p>Allowed license entitlements.</p>"
 },
 "SignedToken": {
 "shape": "SignedToken",
 "documentation": "<p>Signed token.</p>"
 },
 "NodeId": {
 "shape": "String",
 "documentation": "<p>Node ID.</p>"
 },
 "IssuedAt": {
 "shape": "ISO8601DateTime",
 "documentation": "<p>Date and time at which the license checkout is issued.</p>"
 },
 "Expiration": {
 "shape": "ISO8601DateTime",
 "documentation": "<p>Date and time at which the license checkout expires.</p>"
 },
 "LicenseArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 }
}

```

```

 }
 }
},
"CheckoutType":{
 "type":"string",
 "enum":[
 "PROVISIONAL",
 "PERPETUAL"
]
},
"ClientRequestToken":{
 "type":"string",
 "max":36,
 "min":1
},
"ClientToken":{
 "type":"string",
 "max":2048,
 "pattern":"\\S+"
},
"ConflictException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>There was a conflict processing the request. Try your request again.</p>",
 "exception":true
},
"ConsumedLicenseSummary":{
 "type":"structure",
 "members":{
 "ResourceType":{
 "shape":"ResourceType",
 "documentation":"<p>Resource type of the resource consuming a
license.</p>"
 },
 "ConsumedLicenses":{
 "shape":"BoxLong",
 "documentation":"<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "documentation":"<p>Details about license consumption.</p>"
},
"ConsumedLicenseSummaryList":{
 "type":"list",
 "member":{"shape":"ConsumedLicenseSummary"}
},
"ConsumptionConfiguration":{

```

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"type":"structure",
"members":{
 "RenewType":{
 "shape":"RenewType",
 "documentation":"<p>Renewal frequency.</p>"
 },
 "ProvisionalConfiguration":{
 "shape":"ProvisionalConfiguration",
 "documentation":"<p>Details about a provisional configuration.</p>"
 },
 "BorrowConfiguration":{
 "shape":"BorrowConfiguration",
 "documentation":"<p>Details about a borrow configuration.</p>"
 }
},
"documentation":"<p>Details about a consumption configuration.</p>"
},
"CreateGrantRequest":{
 "type":"structure",
 "required":[
 "ClientToken",
 "GrantName",
 "LicenseArn",
 "Principals",
 "HomeRegion",
 "AllowedOperations"
],
 "members":{
 "ClientToken":{
 "shape":"ClientToken",
 "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
 },
 "GrantName":{
 "shape":"String",
 "documentation":"<p>Grant name.</p>"
 },
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "Principals":{
 "shape":"PrincipalArnList",
 "documentation":"<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p> <p>An Amazon Web Services account, which includes only the account specified.</p> <p>An organizational unit (OU), which includes all accounts in the OU.</p> <p>An organization, which will include all accounts across your organization.</p> "
 }
 }
}

```

```

 },
 "HomeRegion":{
 "shape":"String",
 "documentation":"<p>Home Region of the grant.</p>"
 },
 "AllowedOperations":{
 "shape":"AllowedOperationList",
 "documentation":"<p>Allowed operations for the grant.</p>"
 }
 }
},
"CreateGrantResponse":{
 "type":"structure",
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Grant ARN.</p>"
 },
 "Status":{
 "shape":"GrantStatus",
 "documentation":"<p>Grant status.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation":"<p>Grant version.</p>"
 }
 }
},
"CreateGrantVersionRequest":{
 "type":"structure",
 "required":[
 "ClientToken",
 "GrantArn"
],
 "members":{
 "ClientToken":{
 "shape":"ClientToken",
 "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
 },
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
 },
 "GrantName":{
 "shape":"String",
 "documentation":"<p>Grant name.</p>"
 }
 }
}

```

```

 },
 "AllowedOperations":{
 "shape":"AllowedOperationList",
 "documentation":"<p>Allowed operations for the grant.</p>"
 },
 "Status":{
 "shape":"GrantStatus",
 "documentation":"<p>Grant status.</p>"
 },
 "StatusReason":{
 "shape":"StatusReasonMessage",
 "documentation":"<p>Grant status reason.</p>"
 },
 "SourceVersion":{
 "shape":"String",
 "documentation":"<p>Current version of the grant.</p>"
 },
 "Options":{
 "shape":"Options",
 "documentation":"<p>The options specified for the grant.</p>"
 }
 },
 "CreateGrantVersionResponse":{
 "type":"structure",
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Grant ARN.</p>"
 },
 "Status":{
 "shape":"GrantStatus",
 "documentation":"<p>Grant status.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation":"<p>New version of the grant.</p>"
 }
 }
 },
 "CreateLicenseConfigurationRequest":{
 "type":"structure",
 "required":[
 "Name",
 "LicenseCountingType"
],
 "members":{

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```

"Name":{
 "shape":"String",
 "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
 "shape":"String",
 "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
 "shape":"LicenseCountingType",
 "documentation":"<p>Dimension used to track the license inventory.</p>"
},
"LicenseCount":{
 "shape":"BoxLong",
 "documentation":"<p>Number of licenses managed by the license configuration.</p>"
},
"LicenseCountHardLimit":{
 "shape":"BoxBoolean",
 "documentation":"<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit
blocks the launch of new instances.</p>"
},
"LicenseRules":{
 "shape":"StringList",
 "documentation":"<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-
DedicatedHost). The available rules vary by dimension, as follows.</p> <p> <code>Cores</code>
dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> |
<code>maximumCores</code> | <code>minimumCores</code> </p> <p> <code>Instances</code>
dimension: <code>allowedTenancy</code>
| <code>maximumCores</code> | <code>minimumCores</code> | <code>maximumSockets</code> |
<code>minimumSockets</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code> </p>
<p> <code>Sockets</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> |
<code>maximumSockets</code> | <code>minimumSockets</code> </p> <p> <code>vCPUs</code>
dimension: <code>allowedTenancy</code> | <code>honorVcpuOptimization</code> |
<code>maximumVcpus</code> | <code>minimumVcpus</code> </p> <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are
<code>True</code> and <code>False</code>.</p>"
},
"Tags":{
 "shape":"TagList",
 "documentation":"<p>Tags to add to the
license configuration.</p>"
},
"DisassociateWhenNotFound":{
 "shape":"BoxBoolean",
 "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
},

```

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 "ProductInformationList":{
 "shape":"ProductInformationList",
 "documentation":"<p>Product information.</p>"
 }
 },
 "CreateLicenseConfigurationResponse":{
 "type":"structure",
 "members":{
 "LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "CreateLicenseConversionTaskForResourceRequest":{
 "type":"structure",
 "required":[
 "ResourceArn",
 "SourceLicenseContext",
 "DestinationLicenseContext"
],
 "members":{
 "ResourceArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>"
 },
 "SourceLicenseContext":{
 "shape":"LicenseConversionContext",
 "documentation":"<p>Information that identifies the license type you are converting from. For the structure of
the source license, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/conversion-
procedures.html#conversion-cli\">Convert a license type using the CLI in the <i>License Manager User
Guide</i>.</p>"
 },
 "DestinationLicenseContext":{
 "shape":"LicenseConversionContext",
 "documentation":"<p>Information that identifies the license type you are converting to. For the structure of the
destination license, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/conversion-
procedures.html#conversion-cli\">Convert a license type using the CLI in the <i>License Manager User
Guide</i>.</p>"
 }
 }
 },
 "CreateLicenseConversionTaskForResourceResponse":{
 "type":"structure",
 "members":{
 "LicenseConversionTaskId":{

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 "shape":"LicenseConversionTaskId",
 "documentation":"<p>The ID of the created license type conversion task.</p>"
 }
}
},
"CreateLicenseManagerReportGeneratorRequest":{
 "type":"structure",
 "required":[
 "ReportGeneratorName",
 "Type",
 "ReportContext",
 "ReportFrequency",
 "ClientToken"
],
 "members":{
 "ReportGeneratorName":{
 "shape":"ReportGeneratorName",
 "documentation":"<p>Name of the report generator.</p>"
 },
 "Type":{
 "shape":"ReportTypeList",
 "documentation":"<p>Type of reports to generate. The following report types an be generated:</p>
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p> <p>Resource report - Reports the tracked licenses and resource consumption
for a license configuration.</p> "
 },
 "ReportContext":{
 "shape":"ReportContext",
 "documentation":"<p>Defines the type of license configuration the report generator tracks.</p>"
 },
 "ReportFrequency":{
 "shape":"ReportFrequency",
 "documentation":"<p>Frequency by which reports are generated. Reports can be generated daily, monthly, or
weekly.</p>"
 },
 "ClientToken":{
 "shape":"ClientRequestToken",
 "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
 },
 "Description":{
 "shape":"String",
 "documentation":"<p>Description of the report generator.</p>"
 },
 "Tags":{
 "shape":"TagList",
 "documentation":"<p>Tags to add to the report generator.</p>"
 }
 }
}

```

```

 }
 },
 "CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "shape": "String",
 "documentation": "<p>The Amazon Resource Name (ARN) of the new report generator.</p>"
 }
 }
 },
 "CreateLicenseRequest": {
 "type": "structure",
 "required": [
 "LicenseName",
 "ProductName",
 "ProductSKU",
 "Issuer",
 "HomeRegion",
 "Validity",
 "Entitlements",
 "Beneficiary",
 "ConsumptionConfiguration",
 "ClientToken"
],
 "members": {
 "LicenseName": {
 "shape": "String",
 "documentation": "<p>License name.</p>"
 },
 "ProductName": {
 "shape": "String",
 "documentation": "<p>Product name.</p>"
 },
 "ProductSKU": {
 "shape": "String",
 "documentation": "<p>Product SKU.</p>"
 },
 "Issuer": {
 "shape": "Issuer",
 "documentation": "<p>License issuer.</p>"
 },
 "HomeRegion": {
 "shape": "String",
 "documentation": "<p>Home Region for the license.</p>"
 },
 "Validity": {

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 "shape": "DatetimeRange",
 "documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
 },
 "Entitlements": {
 "shape": "EntitlementList",
 "documentation": "<p>License entitlements.</p>"
 },
 "Beneficiary": {
 "shape": "String",
 "documentation": "<p>License beneficiary.</p>"
 },
 "ConsumptionConfiguration": {
 "shape": "ConsumptionConfiguration",
 "documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.</p>"
 },
 "LicenseMetadata": {
 "shape": "MetadataList",
 "documentation": "<p>Information about the license.</p>"
 },
 "ClientToken": {
 "shape": "ClientToken",
 "documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
 }
}
},
"CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "shape": "Arn",
 "documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "Status": {
 "shape": "LicenseStatus",
 "documentation": "<p>License status.</p>"
 },
 "Version": {
 "shape": "String",
 "documentation": "<p>License version.</p>"
 }
 }
},
"CreateLicenseVersionRequest": {
 "type": "structure",
 "required": [

```

```

"LicenseArn",
"LicenseName",
"ProductName",
"Issuer",
"HomeRegion",
"Validity",
"Entitlements",
"ConsumptionConfiguration",
"Status",
"ClientToken"
],

"members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "LicenseName":{
 "shape":"String",
 "documentation":"<p>License name.</p>"
 },
 "ProductName":{
 "shape":"String",
 "documentation":"<p>Product name.</p>"
 },
 "Issuer":{
 "shape":"Issuer",
 "documentation":"<p>License issuer.</p>"
 },
 "HomeRegion":{
 "shape":"String",
 "documentation":"<p>Home Region of the license.</p>"
 },
 "Validity":{
 "shape":"DatetimeRange",
 "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
 },
 "LicenseMetadata":{
 "shape":"MetadataList",
 "documentation":"<p>Information about the license.</p>"
 },
 "Entitlements":{
 "shape":"EntitlementList",
 "documentation":"<p>License
entitlements.</p>"
 },
 "ConsumptionConfiguration":{
 "shape":"ConsumptionConfiguration",

```

"documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.</p>"

},

"Status":{

"shape": "LicenseStatus",

"documentation": "<p>License status.</p>"

},

"ClientToken":{

"shape": "ClientToken",

"documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"

},

"SourceVersion":{

"shape": "String",

"documentation": "<p>Current version of the license.</p>"

}

}

},

"CreateLicenseVersionResponse":{

"type": "structure",

"members":{

"LicenseArn":{

"shape": "Arn",

"documentation": "<p>License

ARN.</p>"

},

"Version":{

"shape": "String",

"documentation": "<p>New version of the license.</p>"

},

"Status":{

"shape": "LicenseStatus",

"documentation": "<p>License status.</p>"

}

}

},

"CreateTokenRequest":{

"type": "structure",

"required":[

"LicenseArn",

"ClientToken"

],

"members":{

"LicenseArn":{

"shape": "Arn",

"documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token.</p>"

```

 },
 "RoleArns":{
 "shape":"ArnList",
 "documentation":"<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. License
Manager does not check whether the roles are in use.</p>"
 },
 "ExpirationInDays":{
 "shape":"Integer",
 "documentation":"<p>Token expiration, in days, counted from token creation. The default is 365
days.</p>"
 },
 "TokenProperties":{
 "shape":"MaxSize3StringList",
 "documentation":"<p>Data specified by the caller to be included in the JWT token. The data is mapped to the
amr claim of the JWT token.</p>"
 },
 "ClientToken":{
 "shape":"ClientToken",
 "documentation":"<p>Idempotency token, valid for 10 minutes.</p>"
 }
 }
},
"CreateTokenResponse":{
 "type":"structure",
 "members":{
 "TokenId":{
 "shape":"String",
 "documentation":"<p>Token ID.</p>"
 },
 "TokenType":{
 "shape":"TokenType",
 "documentation":"<p>Token type.</p>"
 },
 "Token":{
 "shape":"TokenString",
 "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
},
"DateTime":{"type":"timestamp"},
"DatetimeRange":{
 "type":"structure",
 "required":["Begin"],
 "members":{
 "Begin":{
 "shape":"ISO8601DateTime",
 "documentation":"<p>Start of the time range.</p>"
 }
 }
}

```

```

 },
 "End":{
 "shape":"ISO8601DateTime",
 "documentation":"<p>End of the time range.</p>"
 }
 },
 "documentation":"<p>Describes a time range, in ISO8601-UTC format.</p>"
},
"DeleteGrantRequest":{
 "type":"structure",
 "required":[
 "GrantArn",
 "Version"
],
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
 },
 "StatusReason":{
 "shape":"StatusReasonMessage",
 "documentation":"<p>The Status reason for the delete request.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation":"<p>Current version of the grant.</p>"
 }
 }
},
"DeleteGrantResponse":{
 "type":"structure",
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Grant ARN.</p>"
 },
 "Status":{
 "shape":"GrantStatus",
 "documentation":"<p>Grant status.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation":"<p>Grant version.</p>"
 }
 }
},
"DeleteLicenseConfigurationRequest":{
 "type":"structure",

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"required":["LicenseConfigurationArn"],
"members":{
 "LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>ID of the license configuration.</p>"
 }
}
},
"DeleteLicenseConfigurationResponse":{
 "type":"structure",
 "members":{
 }
},
"DeleteLicenseManagerReportGeneratorRequest":{
 "type":"structure",
 "required":["LicenseManagerReportGeneratorArn"],
 "members":{
 "LicenseManagerReportGeneratorArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>"
 }
 }
},
"DeleteLicenseManagerReportGeneratorResponse":{
 "type":"structure",
 "members":{
 }
},
"DeleteLicenseRequest":{
 "type":"structure",
 "required":[
 "LicenseArn",
 "SourceVersion"
],
 "members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "SourceVersion":{
 "shape":"String",
 "documentation":"<p>Current version of the license.</p>"
 }
 }
},
"DeleteLicenseResponse":{
 "type":"structure",
 "members":{

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```

"Status":{
 "shape":"LicenseDeletionStatus",
 "documentation":"<p>License status.</p>"
},
"DeletionDate":{
 "shape":"ISO8601DateTime",
 "documentation":"<p>Date when the license is deleted.</p>"
}
},
"DeleteTokenRequest":{
 "type":"structure",
 "required":["TokenId"],
 "members":{
 "TokenId":{
 "shape":"String",
 "documentation":"<p>Token ID.</p>"
 }
 }
},
"DeleteTokenResponse":{
 "type":"structure",
 "members":{
 }
},
"DigitalSignatureMethod":{
 "type":"string",
 "enum":["JWT_PS384"]
},
"Entitlement":{
 "type":"structure",
 "required":[
 "Name",
 "Unit"
],
 "members":{
 "Name":{
 "shape":"String",
 "documentation":"<p>Entitlement name.</p>"
 },
 "Value":{
 "shape":"String",
 "documentation":"<p>Entitlement resource. Use only if the unit is None.</p>"
 },
 "MaxCount":{
 "shape":"Long",
 "documentation":"<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
}

```

```

"Overage":{
 "shape":"BoxBoolean",
 "documentation":"<p>Indicates whether overages are allowed.</p>"
},
"Unit":{
 "shape":"EntitlementUnit",
 "documentation":"<p>Entitlement unit.</p>"
},
"AllowCheckIn":{
 "shape":"BoxBoolean",
 "documentation":"<p>Indicates whether check-ins are allowed.</p>"
}
},
"documentation":"<p>Describes a resource entitled for use with a license.</p>"
},
"EntitlementData":{
 "type":"structure",
 "required":[
 "Name",
 "Unit"
],
 "members":{
 "Name":{
 "shape":"String",
 "documentation":"<p>Entitlement data name.</p>"
 },
 "Value":{
 "shape":"String",
 "documentation":"<p>Entitlement data value.</p>"
 },
 "Unit":{
 "shape":"EntitlementDataUnit",
 "documentation":"<p>Entitlement data unit.</p>"
 }
 },
 "documentation":"<p>Data associated with an entitlement resource.</p>"
},
"EntitlementDataList":{
 "type":"list",
 "member":{"shape":"EntitlementData"}
},
"EntitlementDataUnit":{
 "type":"string",
 "enum":[
 "Count",
 "None",
 "Seconds",
 "Microseconds",

```

```

 "Milliseconds",
 "Bytes",
 "Kilobytes",
 "Megabytes",
 "Gigabytes",
 "Terabytes",
 "Bits",
 "Kilobits",
 "Megabits",
 "Gigabits",
 "Terabits",
 "Percent",
 "Bytes/Second",
 "Kilobytes/Second",
 "Megabytes/Second",
 "Gigabytes/Second",
 "Terabytes/Second",
 "Bits/Second",
 "Kilobits/Second",
 "Megabits/Second",
 "Gigabits/Second",
 "Terabits/Second",
 "Count/Second"
]
},
"EntitlementList":{
 "type":"list",
 "member":{"shape":"Entitlement"}
},
"EntitlementNotAllowedException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>The entitlement is not allowed.</p>",
 "exception":true
},
"EntitlementUnit":{
 "type":"string",
 "enum":[
 "Count",
 "None",
 "Seconds",
 "Microseconds",
 "Milliseconds",
 "Bytes",
 "Kilobytes",
 "Megabytes",

```

```

"Gigabytes",
"Terabytes",
"Bits",
"Kilobits",
"Megabits",
"Gigabits",
"Terabits",
"Percent",
"Bytes/Second",
"Kilobytes/Second",
"Megabytes/Second",
"Gigabytes/Second",
"Terabytes/Second",
"Bits/Second",
"Kilobits/Second",
"Megabits/Second",
"Gigabits/Second",
"Terabits/Second",
"Count/Second"
]
},
"EntitlementUsage":{
 "type":"structure",
 "required":[
 "Name",
 "ConsumedValue",
 "Unit"
],
 "members":{
 "Name":{
 "shape":"String",
 "documentation":"<p>Entitlement usage name.</p>"
 },
 "ConsumedValue":{
 "shape":"String",
 "documentation":"<p>Resource usage consumed.</p>"
 },
 "MaxCount":{
 "shape":"String",
 "documentation":"<p>Maximum entitlement usage count.</p>"
 },
 "Unit":{
 "shape":"EntitlementDataUnit",
 "documentation":"<p>Entitlement usage unit.</p>"
 }
 },
 "documentation":"<p>Usage associated with an entitlement resource.</p>"
},

```

```

"EntitlementUsageList":{
 "type":"list",
 "member":{"shape":"EntitlementUsage"}
},
"ExtendLicenseConsumptionRequest":{
 "type":"structure",
 "required":["LicenseConsumptionToken"],
 "members":{
 "LicenseConsumptionToken":{
 "shape":"String",
 "documentation":"<p>License consumption token.</p>"
 },
 "DryRun":{
 "shape":"Boolean",
 "documentation":"<p>Checks whether you have the required permissions for the action, without actually
making the request. Provides
an error response if you do not have the required permissions.</p>"
 }
 }
},
"ExtendLicenseConsumptionResponse":{
 "type":"structure",
 "members":{
 "LicenseConsumptionToken":{
 "shape":"String",
 "documentation":"<p>License consumption token.</p>"
 },
 "Expiration":{
 "shape":"ISO8601DateTime",
 "documentation":"<p>Date and time at which the license consumption expires.</p>"
 }
 }
},
"FailedDependencyException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"},
 "ErrorCode":{"shape":"String"}
 },
 "documentation":"<p>A dependency required to run the API is missing.</p>",
 "exception":true
},
"Filter":{
 "type":"structure",
 "members":{
 "Name":{
 "shape":"FilterName",
 "documentation":"<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 }
}

```

```

 },
 "Values":{

 "shape":"FilterValues",
 "documentation":"<p>The value of the filter, which is case-sensitive. You can only specify one value for the
filter.</p>"
 }
},
 "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe
operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
},
 "FilterLimitExceededException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>The request uses too many filters or too many filter values.</p>",
 "exception":true
 },
 "FilterList":{
 "type":"list",
 "member":{"shape":"Filter"}
 },
 "FilterName":{"type":"string"},
 "FilterValue":{"type":"string"},
 "FilterValues":{
 "type":"list",
 "member":{"shape":"FilterValue"}
 },
 "Filters":{
 "type":"list",
 "member":{"shape":"Filter"}
 },
},

"GetAccessTokenRequest":{
 "type":"structure",
 "required":["Token"],
 "members":{
 "Token":{
 "shape":"TokenString",
 "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
 },
 "TokenProperties":{
 "shape":"MaxSize3StringList",
 "documentation":"<p>Token properties to validate against those present in the JWT token.</p>"
 }
 }
}
},

```

```

"GetAccessTokenResponse":{
 "type":"structure",
 "members":{
 "AccessToken":{
 "shape":"TokenString",
 "documentation":"<p>Temporary access token.</p>"
 }
 }
},
"GetGrantRequest":{
 "type":"structure",
 "required":["GrantArn"],
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation":"<p>Grant version.</p>"
 }
 }
},
"GetGrantResponse":{
 "type":"structure",
 "members":{
 "Grant":{
 "shape":"Grant",
 "documentation":"<p>Grant details.</p>"
 }
 }
},
"GetLicenseConfigurationRequest":{
 "type":"structure",
 "required":["LicenseConfigurationArn"],
 "members":{
 "LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
},
"GetLicenseConfigurationResponse":{
 "type":"structure",
 "members":{
 "LicenseConfigurationId":{
 "shape":"String",
 "documentation":"<p>Unique ID for the license configuration.</p>"
 }
 }
}

```

```

},
"LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
},
"Name":{
 "shape":"String",
 "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
 "shape":"String",
 "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
 "shape":"LicenseCountingType",
 "documentation":"<p>Dimension for which the licenses are counted.</p>"
},
"LicenseRules":{
 "shape":"StringList",
 "documentation":"<p>License rules.</p>"
},
"LicenseCount":{
 "shape":"BoxLong",
 "documentation":"<p>Number of available licenses.</p>"
},
"LicenseCountHardLimit":{
 "shape":"BoxBoolean",
 "documentation":"<p>Sets the number of available licenses as a hard limit.</p>"
},
"ConsumedLicenses":{
 "shape":"BoxLong",
 "documentation":"<p>Number of licenses assigned to resources.</p>"
},
"Status":{
 "shape":"String",
 "documentation":"<p>License configuration status.</p>"
},
"OwnerAccountId":{
 "shape":"String",
 "documentation":"<p>Account ID of the owner of the license configuration.</p>"
},
"ConsumedLicenseSummaryList":{
 "shape":"ConsumedLicenseSummaryList",
 "documentation":"<p>Summaries of the licenses consumed by resources.</p>"
},
"ManagedResourceSummaryList":{
 "shape":"ManagedResourceSummaryList",
 "documentation":"<p>Summaries of the managed resources.</p>"
}

```

```

 },
 "Tags":{
 "shape":"TagList",
 "documentation":"<p>Tags for the license configuration.</p>"
 },
 "ProductInformationList":{
 "shape":"ProductInformationList",
 "documentation":"<p>Product information.</p>"
 },
 "AutomatedDiscoveryInformation":{
 "shape":"AutomatedDiscoveryInformation",
 "documentation":"<p>Automated discovery information.</p>"
 },
 "DisassociateWhenNotFound":{
 "shape":"BoxBoolean",
 "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
 }
 }
},
"GetLicenseConversionTaskRequest":{
 "type":"structure",
 "required":["LicenseConversionTaskId"],
 "members":{
 "LicenseConversionTaskId":{
 "shape":"LicenseConversionTaskId",
 "documentation":"<p>ID of the license type conversion task to retrieve information on.</p>"
 }
 }
},
"GetLicenseConversionTaskResponse":{
 "type":"structure",
 "members":{
 "LicenseConversionTaskId":{
 "shape":"LicenseConversionTaskId",
 "documentation":"<p>ID of the license type conversion task.</p>"
 },
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Names (ARN) of the resources the license conversion task is
associated with.</p>"
 },
 "SourceLicenseContext":{
 "shape":"LicenseConversionContext",
 "documentation":"<p>Information about the license type converted from.</p>"
 },
 "DestinationLicenseContext":{
 "shape":"LicenseConversionContext",
 "documentation":"<p>Information about the license type converted to.</p>"
 }
 }
}

```

```

 },
 "StatusMessage":{
 "shape":"String",
 "documentation":"<p>The status message for the conversion task.</p>"
 },
 "Status":{
 "shape":"LicenseConversionTaskStatus",
 "documentation":"<p>Status of the license type conversion task.</p>"
 },
 "StartTime":{
 "shape":"DateTime",
 "documentation":"<p>Time at which the license type conversion task was started .</p>"
 },
 "LicenseConversionTime":{
 "shape":"DateTime",
 "documentation":"<p>Amount of time to complete the license type conversion.</p>"
 },
 "EndTime":{
 "shape":"DateTime",
 "documentation":"<p>Time
at which the license type conversion task was completed.</p>"
 }
 }
},
"GetLicenseManagerReportGeneratorRequest":{
 "type":"structure",
 "required":["LicenseManagerReportGeneratorArn"],
 "members":{
 "LicenseManagerReportGeneratorArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 }
},
"GetLicenseManagerReportGeneratorResponse":{
 "type":"structure",
 "members":{
 "ReportGenerator":{
 "shape":"ReportGenerator",
 "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
},
"GetLicenseRequest":{
 "type":"structure",
 "required":["LicenseArn"],
 "members":{
 "LicenseArn":{

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```

 "shape": "Arn",
 "documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "Version": {
 "shape": "String",
 "documentation": "<p>License version.</p>"
 }
},
"GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "shape": "License",
 "documentation": "<p>License details.</p>"
 }
 }
},
"GetLicenseUsageRequest": {
 "type": "structure",
 "required": ["LicenseArn"],
 "members": {
 "LicenseArn": {
 "shape": "Arn",
 "documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 }
},
"GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "shape": "LicenseUsage",
 "documentation": "<p>License usage details.</p>"
 }
 }
},
"GetServiceSettingsRequest": {
 "type": "structure",
 "members": {
 }
},
"GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "shape": "String",

```

```

 "documentation": "<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, and
so on.</p>"
 },
 "SnsTopicArn": {
 "shape": "String",
 "documentation": "<p>SNS topic configured to receive notifications from License Manager.</p>"
 },
 "OrganizationConfiguration": {
 "shape": "OrganizationConfiguration",
 "documentation": "<p>Indicates whether Organizations is integrated with License Manager for cross-account
discovery.</p>"
 },
 "EnableCrossAccountsDiscovery": {
 "shape": "BoxBoolean",
 "documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 },
 "LicenseManagerResourceShareArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License Manager
management account provides member accounts with access to this share.</p>"
 }
}
},
"Grant": {
 "type": "structure",
 "required": [
 "GrantArn",
 "GrantName",
 "ParentArn",
 "LicenseArn",
 "GranteePrincipalArn",
 "HomeRegion",
 "GrantStatus",
 "Version",
 "GrantedOperations"
],
 "members": {
 "GrantArn": {
 "shape": "Arn",
 "documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>"
 },
 "GrantName": {
 "shape": "String",
 "documentation": "<p>Grant name.</p>"
 },
 "ParentArn": {
 "shape": "Arn",

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 "documentation": "<p>Parent ARN.</p>"
 },
 "LicenseArn": {
 "shape": "Arn",
 "documentation": "<p>License ARN.</p>"
 },
 "GranteePrincipalArn": {
 "shape": "Arn",
 "documentation": "<p>The grantee principal ARN.</p>"
 },
 "HomeRegion": {
 "shape": "String",
 "documentation": "<p>Home Region of the grant.</p>"
 },
 "GrantStatus": {
 "shape": "GrantStatus",
 "documentation": "<p>Grant status.</p>"
 },
 "StatusReason": {
 "shape": "StatusReasonMessage",
 "documentation": "<p>Grant status reason.</p>"
 },
 "Version": {
 "shape": "String",
 "documentation": "<p>Grant version.</p>"
 },
 "GrantedOperations": {
 "shape": "AllowedOperationList",
 "documentation": "<p>Granted operations.</p>"
 },
 "Options": {
 "shape": "Options",
 "documentation": "<p>The options specified for the grant.</p>"
 }
},
"documentation": "<p>Describes a grant.</p>"
},
"GrantList": {
 "type": "list",
 "member": { "shape": "Grant" }
},
"GrantStatus": {
 "type": "string",
 "enum": [
 "PENDING_WORKFLOW",
 "PENDING_ACCEPT",
 "REJECTED",
 "ACTIVE",

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```

 "FAILED_WORKFLOW",
 "DELETED",
 "PENDING_DELETE",
 "DISABLED",

 "WORKFLOW_COMPLETED"
]
},
"GrantedLicense":{
 "type":"structure",
 "members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "LicenseName":{
 "shape":"String",
 "documentation":"<p>License name.</p>"
 },
 "ProductName":{
 "shape":"String",
 "documentation":"<p>Product name.</p>"
 },
 "ProductSKU":{
 "shape":"String",
 "documentation":"<p>Product SKU.</p>"
 },
 "Issuer":{
 "shape":"IssuerDetails",
 "documentation":"<p>Granted license issuer.</p>"
 },
 "HomeRegion":{
 "shape":"String",
 "documentation":"<p>Home Region of the granted license.</p>"
 },
 "Status":{
 "shape":"LicenseStatus",
 "documentation":"<p>Granted license status.</p>"
 },
 "Validity":{
 "shape":"DatetimeRange",
 "documentation":"<p>Date and time range during which the granted license is valid, in ISO8601-UTC
format.</p>"
 },
 "Beneficiary":{
 "shape":"String",
 "documentation":"<p>Granted license beneficiary.</p>"
 }
 }
}

```

```

"Entitlements":{
 "shape":"EntitlementList",
 "documentation":"<p>License entitlements.</p>"
},
"ConsumptionConfiguration":{
 "shape":"ConsumptionConfiguration",
 "documentation":"<p>Configuration for consumption of the license.</p>"
},
"LicenseMetadata":{
 "shape":"MetadataList",
 "documentation":"<p>Granted license metadata.</p>"
},
"CreateTime":{
 "shape":"ISO8601DateTime",
 "documentation":"<p>Creation time of the granted license.</p>"
},
"Version":{
 "shape":"String",
 "documentation":"<p>Version of the granted license.</p>"
},
"ReceivedMetadata":{
 "shape":"ReceivedMetadata",
 "documentation":"<p>Granted license received metadata.</p>"
}
},
"documentation":"<p>Describes a license that is granted to a grantee.</p>"
},
"GrantedLicenseList":{
 "type":"list",
 "member":{"shape":"GrantedLicense"}
},
"ISO8601DateTime":{
 "type":"string",
 "max":50,
 "pattern":"^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]||1-2)[0-9]T(2[0-3]||[0-1][0-9]):([0-5][0-9]):([0-5][0-9])\\.(?:[0-9]+)?(?:Z|[-+](?:2[0-3]||[0-1][0-9]):[0-5][0-9])+$"
},
"Integer":{"type":"integer"},
"InvalidParameterValueException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 }
},
"documentation":"<p>One or more parameter values are not valid.</p>",
"exception":true,
"synthetic":true
},
"InvalidResourceStateException":{

```

```

 "type": "structure",
 "members": {
 "Message": { "shape": "Message" }
 },
 "documentation": "<p>License Manager cannot allocate a license to a resource because of its state. </p> <p>For example, you cannot allocate a license to an instance in the process of shutting down.</p>",
 "exception": true
 },
 "InventoryFilter": {
 "type": "structure",
 "required": [
 "Name",
 "Condition"
],
 "members": {
 "Name": {
 "shape": "String",
 "documentation": "<p>Name of the filter.</p>"
 },
 "Condition": {
 "shape": "InventoryFilterCondition",
 "documentation": "<p>Condition of the filter.</p>"
 },
 "Value": {
 "shape": "String",
 "documentation": "<p>Value of the filter.</p>"
 }
 },
 "documentation": "<p>An inventory filter.</p>"
 },
 "InventoryFilterCondition": {
 "type": "string",
 "enum": [
 "EQUALS",
 "NOT_EQUALS",
 "BEGINS_WITH",
 "CONTAINS"
]
 },
 "InventoryFilterList": {
 "type": "list",
 "member": { "shape": "InventoryFilter" }
 },
 "Issuer": {
 "type": "structure",
 "required": ["Name"],
 "members": {

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```

 "Name":{
 "shape":"String",
 "documentation":"<p>Issuer name.</p>"
 },
 "SignKey":{
 "shape":"String",
 "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key
usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 },
 "documentation":"<p>Details about the issuer of a license.</p>"
},
"IssuerDetails":{
 "type":"structure",
 "members":{
 "Name":{
 "shape":"String",
 "documentation":"<p>Issuer name.</p>"
 },
 "SignKey":{
 "shape":"String",
 "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key
usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 },
 "KeyFingerprint":{
 "shape":"String",
 "documentation":"<p>Issuer key fingerprint.</p>"
 }
 },
 "documentation":"<p>Details associated with the issuer of a license.</p>"
},
"License":{
 "type":"structure",
 "members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "LicenseName":{
 "shape":"String",
 "documentation":"<p>License name.</p>"
 },
 "ProductName":{
 "shape":"String",
 "documentation":"<p>Product name.</p>"
 },
 "ProductSKU":{
 "shape":"String",

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"documentation": "<p>Product SKU.</p>"
},
"Issuer": {
 "shape": "IssuerDetails",
 "documentation": "<p>License issuer.</p>"
},
"HomeRegion": {
 "shape": "String",
 "documentation": "<p>Home Region of the license.</p>"
},
>Status": {
 "shape": "LicenseStatus",
 "documentation": "<p>License status.</p>"
},
Validity": {
 "shape": "DatetimeRange",
 "documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
},
Beneficiary": {
 "shape": "String",
 "documentation": "<p>License beneficiary.</p>"
},
Entitlements": {
 "shape": "EntitlementList",
 "documentation": "<p>License entitlements.</p>"
},
ConsumptionConfiguration": {
 "shape": "ConsumptionConfiguration",
 "documentation": "<p>Configuration for consumption of the license.</p>"
},
LicenseMetadata": {
 "shape": "MetadataList",
 "documentation": "<p>License metadata.</p>"
},
CreateTime": {
 "shape": "ISO8601DateTime",
 "documentation": "<p>License creation time.</p>"
},
Version": {
 "shape": "String",
 "documentation": "<p>License version.</p>"
}
},
"documentation": "<p>Software license that is managed in License Manager.</p>"
},
LicenseConfiguration": {
 "type": "structure",
 "members": {

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```

"LicenseConfigurationId":{
 "shape":"String",
 "documentation":"<p>Unique ID of the license configuration.</p>"
},
"LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
},
"Name":{
 "shape":"String",
 "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
 "shape":"String",
 "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
 "shape":"LicenseCountingType",
 "documentation":"<p>Dimension to use to track the license inventory.</p>"
},
"LicenseRules":{
 "shape":"StringList",
 "documentation":"<p>License rules.</p>"
},
"LicenseCount":{
 "shape":"BoxLong",
 "documentation":"<p>Number of licenses managed by the license configuration.</p>"
},
"LicenseCountHardLimit":{
 "shape":"BoxBoolean",
 "documentation":"<p>Number of available licenses as a hard limit.</p>"
},
"DisassociateWhenNotFound":{
 "shape":"BoxBoolean",
 "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
},
"ConsumedLicenses":{
 "shape":"BoxLong",
 "documentation":"<p>Number of licenses consumed. </p>"
},
>Status":{
 "shape":"String",
 "documentation":"<p>Status of the license configuration.</p>"
},
"OwnerAccountId":{
 "shape":"String",
 "documentation":"<p>Account ID of the license

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configuration's owner.</p>"
 },
 "ConsumedLicenseSummaryList":{
 "shape":"ConsumedLicenseSummaryList",
 "documentation":"<p>Summaries for licenses consumed by various resources.</p>"
 },
 "ManagedResourceSummaryList":{
 "shape":"ManagedResourceSummaryList",
 "documentation":"<p>Summaries for managed resources.</p>"
 },
 "ProductInformationList":{
 "shape":"ProductInformationList",
 "documentation":"<p>Product information.</p>"
 },
 "AutomatedDiscoveryInformation":{
 "shape":"AutomatedDiscoveryInformation",
 "documentation":"<p>Automated discovery information.</p>"
 }
},
"documentation":"<p>A license configuration is an abstraction of a customer license agreement that can be
consumed and enforced by License Manager. Components include specifications for the license type (licensing by
instance, socket, CPU, or vCPU), allowed tenancy (shared
tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with
a host), and the number of licenses purchased and used.</p>"
},
"LicenseConfigurationAssociation":{
 "type":"structure",
 "members":{
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 "ResourceType":{
 "shape":"ResourceType",
 "documentation":"<p>Type of server resource.</p>"
 },
 "ResourceOwnerId":{
 "shape":"String",
 "documentation":"<p>ID of the Amazon Web Services account that owns the resource consuming
licenses.</p>"
 },
 "AssociationTime":{
 "shape":"DateTime",
 "documentation":"<p>Time when the license configuration was associated with the resource.</p>"
 },
 "AmiAssociationScope":{
 "shape":"String",
 "documentation":"<p>Scope of

```

AMI associations. The possible value is `cross-account`.

```
 }
 },
 "documentation": "<p>Describes an association with a license configuration.</p>"
},
"LicenseConfigurationAssociations":{
 "type":"list",
 "member":{"shape":"LicenseConfigurationAssociation"}
},
"LicenseConfigurationStatus":{
 "type":"string",
 "enum":[
 "AVAILABLE",
 "DISABLED"
]
},
"LicenseConfigurationUsage":{
 "type":"structure",
 "members":{
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 "ResourceType":{
 "shape":"ResourceType",
 "documentation":"<p>Type of resource.</p>"
 },
 "ResourceStatus":{
 "shape":"String",
 "documentation":"<p>Status of the resource.</p>"
 },
 "ResourceOwnerId":{
 "shape":"String",
 "documentation":"<p>ID of
the account that owns the resource.</p>"
 },
 "AssociationTime":{
 "shape":"DateTime",
 "documentation":"<p>Time when the license configuration was initially associated with the resource.</p>"
 },
 "ConsumedLicenses":{
 "shape":"BoxLong",
 "documentation":"<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "documentation":"<p>Details about the usage of a resource associated with a license configuration.</p>"
},
"LicenseConfigurationUsageList":{
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 "type": "list",
 "member": { "shape": "LicenseConfigurationUsage" }
 },
 "LicenseConfigurations": {
 "type": "list",
 "member": { "shape": "LicenseConfiguration" }
 },
 "LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "shape": "UsageOperation",
 "documentation": "<p>The Usage operation value that corresponds to the license type you are converting your
resource
from. For more information about which platforms correspond to which usage operation values see Sample
data: usage operation by platform </p>"
 }
 },
 "documentation": "<p>Information about a license type conversion task.</p>"
 },
 "LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "shape": "LicenseConversionTaskId",
 "documentation": "<p>The ID of the license type conversion task.</p>"
 },
 "ResourceArn": {
 "shape": "String",
 "documentation": "<p>The Amazon Resource Name (ARN) of the resource associated with the license type
conversion task.</p>"
 },
 "SourceLicenseContext": {
 "shape": "LicenseConversionContext",
 "documentation": "<p>Information about the license type this conversion task converted from.</p>"
 },
 "DestinationLicenseContext": {
 "shape": "LicenseConversionContext",
 "documentation": "<p>Information about the license type this conversion task converted to.</p>"
 },
 "Status": {
 "shape": "LicenseConversionTaskStatus",
 "documentation": "<p>The status of the conversion task.</p>"
 },
 "StatusMessage": {
 "shape": "String",

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```

 "documentation": "<p>The status message for the conversion task.</p>"
 },
 "StartTime": {
 "shape": "DateTime",
 "documentation": "<p>The time the conversion task was started at.</p>"
 },
 "LicenseConversionTime": {
 "shape": "DateTime",
 "documentation": "<p>The time the usage operation value of the resource was changed.</p>"
 },
 "EndTime": {
 "shape": "DateTime",
 "documentation": "<p>The time the conversion task was completed.</p>"
 }
},
"documentation": "<p>Information about a
license type conversion task.</p>"
},
"LicenseConversionTaskId": {
 "type": "string",
 "max": 50,
 "pattern": "^\\lct-[a-zA-Z0-9]*"
},
"LicenseConversionTaskStatus": {
 "type": "string",
 "enum": [
 "IN_PROGRESS",
 "SUCCEEDED",
 "FAILED"
]
},
"LicenseConversionTasks": {
 "type": "list",
 "member": { "shape": "LicenseConversionTask" }
},
"LicenseCountingType": {
 "type": "string",
 "enum": [
 "vCPU",
 "Instance",
 "Core",
 "Socket"
]
},
"LicenseDeletionStatus": {
 "type": "string",
 "enum": [
 "PENDING_DELETE",

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 "DELETED"
],
},
"LicenseList":{
 "type":"list",
 "member":{"shape":"License"}
},
"LicenseOperationFailure":{
 "type":"structure",
 "members":{
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 },
 "ResourceType":{
 "shape":"ResourceType",
 "documentation":"<p>Resource type.</p>"
 },
 "ErrorMessage":{
 "shape":"String",
 "documentation":"<p>Error message.</p>"
 },
 "FailureTime":{
 "shape":"DateTime",
 "documentation":"<p>Failure time.</p>"
 },
 "OperationName":{
 "shape":"String",
 "documentation":"<p>Name of the operation.</p>"
 },
 "ResourceOwnerId":{
 "shape":"String",
 "documentation":"<p>ID of the Amazon Web Services account that owns the resource.</p>"
 },
 "OperationRequestedBy":{
 "shape":"String",
 "documentation":"<p>The requester is \"License Manager Automated Discovery\".</p>"
 },
 "MetadataList":{
 "shape":"MetadataList",
 "documentation":"<p>Reserved.</p>"
 }
},
"documentation":"<p>Describes the failure of a license operation.</p>"
},
"LicenseOperationFailureList":{
 "type":"list",

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```

"member":{"shape":"LicenseOperationFailure"}
},
"LicenseSpecification":{
 "type":"structure",
 "required":["LicenseConfigurationArn"],
 "members":{
 "LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 },
 "AmiAssociationScope":{
 "shape":"String",
 "documentation":"<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "documentation":"<p>Details for associating a license configuration with a resource.</p>"
},
"LicenseSpecifications":{
 "type":"list",
 "member":{"shape":"LicenseSpecification"}
},
"LicenseStatus":{
 "type":"string",
 "enum":[
 "AVAILABLE",
 "PENDING_AVAILABLE",
 "DEACTIVATED",
 "SUSPENDED",
 "EXPIRED",
 "PENDING_DELETE",
 "DELETED"
]
},
"LicenseUsage":{
 "type":"structure",
 "members":{
 "EntitlementUsages":{
 "shape":"EntitlementUsageList",
 "documentation":"<p>License entitlement usages.</p>"
 }
 },
 "documentation":"<p>Describes the entitlement usage associated with a license.</p>"
},
"LicenseUsageException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
},

```

```

"documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
"exception": true
},
>ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "required": ["LicenseConfigurationArn"],
 "members": {
 "LicenseConfigurationArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>"
 },
 "MaxResults": {
 "shape": "BoxInteger",
 "documentation": "<p>Maximum
number of results to return in a single call.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
>ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "shape": "LicenseConfigurationAssociations",
 "documentation": "<p>Information about the associations for the license configuration.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
>ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "shape": "ArnList",
 "documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 },
 "Filters": {
 "shape": "FilterList",
 "documentation": "<p>Filters to scope the results.
The following filters are supported:</p> <p> <code>LicenseArn</code> </p> <p>
<code>GrantStatus</code> </p> <p> <code>GranteePrincipalARN</code> </p> <p>
<code>ProductSKU</code> </p> <p> <code>LicenseIssuerName</code> </p> "
 }
 }
}

```

```

 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"ListDistributedGrantsResponse":{
 "type":"structure",
 "members":{
 "Grants":{
 "shape":"GrantList",
 "documentation":"<p>Distributed grant details.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListFailuresForLicenseConfigurationOperationsRequest":{
 "type":"structure",
 "required":["LicenseConfigurationArn"],
 "members":{
 "LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name of the license configuration.</p>"
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListFailuresForLicenseConfigurationOperationsResponse":{
 "type":"structure",
 "members":{
 "LicenseOperationFailureList":{
 "shape":"LicenseOperationFailureList",
 "documentation":"<p>License configuration operations that failed.</p>"
 }
 }
}

```

```

 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListLicenseConfigurationsRequest":{
 "type":"structure",
 "members":{
 "LicenseConfigurationArns":{
 "shape":"StringList",
 "documentation":"<p>Amazon Resource Names (ARN) of the license configurations.</p>"
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "Filters":{
 "shape":"Filters",
 "documentation":"<p>Filters to scope the results. The following filters and logical operators are supported:</p> <p> <code>licenseCountingType</code> - The dimension for which licenses are counted. Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> <p> <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is used. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> <p> <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> "
 }
 }
},
"ListLicenseConfigurationsResponse":{
 "type":"structure",
 "members":{
 "LicenseConfigurations":{
 "shape":"LicenseConfigurations",
 "documentation":"<p>Information about the license configurations.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
}

```

```

 },
 "ListLicenseConversionTasksRequest":{
 "type":"structure",
 "members":{
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token
for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 },
 "Filters":{
 "shape":"Filters",
 "documentation":"<p> Filters to scope the results. Valid filters are <code>ResourceArns</code> and
<code>Status</code>. </p>"
 }
 }
 },
 "ListLicenseConversionTasksResponse":{
 "type":"structure",
 "members":{
 "LicenseConversionTasks":{
 "shape":"LicenseConversionTasks",
 "documentation":"<p>Information about the license configuration tasks for your account.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
 },
 "ListLicenseManagerReportGeneratorsRequest":{
 "type":"structure",
 "members":{
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters
to scope the results. The following filters are supported: <p> <p>
<code>LicenseConfigurationArn</code> </p> "
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",

```

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 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
}
},
"ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "shape": "ReportGeneratorList",
 "documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "required": ["ResourceArn"],
 "members": {
 "ResourceArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of a resource that has an associated license
configuration.</p>"
 },
 "MaxResults": {
 "shape": "BoxInteger",
 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "shape": "LicenseSpecifications",
 "documentation": "<p>License configurations associated with a resource.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
}

```

```

},
"ListLicenseVersionsRequest":{
 "type":"structure",

 "required":["LicenseArn"],
 "members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"ListLicenseVersionsResponse":{
 "type":"structure",
 "members":{
 "Licenses":{
 "shape":"LicenseList",
 "documentation":"<p>License details.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListLicensesRequest":{
 "type":"structure",
 "members":{
 "LicenseArns":{
 "shape":"ArnList",
 "documentation":"<p>Amazon Resource Names
(ARNs) of the licenses.</p>"
 },
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <p>
<code>Beneficiary</code> </p> <p> <code>ProductSKU</code> </p> <p>
<code>Fingerprint</code> </p> <p> <code>Status</code> </p> "
 },
 "NextToken":{

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```

 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 }
},
"ListLicensesResponse":{
 "type":"structure",
 "members":{
 "Licenses":{
 "shape":"LicenseList",
 "documentation":"<p>License details.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListReceivedGrantsForOrganizationRequest":{
 "type":"structure",
 "required":["LicenseArn"],
 "members":{
 "LicenseArn":{
 "shape":"Arn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the received license.</p>"
 },
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <p>
<code>ParentArn</code> </p> <p> <code>GranteePrincipalArn</code> </p> "
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"ListReceivedGrantsForOrganizationResponse":{
 "type":"structure",
 "members":{

```

```

"Grants":{
 "shape":"GrantList",
 "documentation":"<p>Lists the grants the organization has received.</p>"
},
"NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
}
},
"ListReceivedGrantsRequest":{
 "type":"structure",
 "members":{
 "GrantArns":{
 "shape":"ArnList",
 "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
 },
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <p>
<code>ProductSKU</code> </p> <p> <code>LicenseIssuerName</code> </p> <p>
<code>LicenseArn</code> </p> <p> <code>GrantStatus</code> </p> <p>
<code>GranterAccountId</code> </p> "
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"ListReceivedGrantsResponse":{
 "type":"structure",
 "members":{
 "Grants":{
 "shape":"GrantList",
 "documentation":"<p>Received grant details.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},

```

```

"ListReceivedLicensesForOrganizationRequest":{
 "type":"structure",
 "members":{
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <p>
<code>Beneficiary</code> </p> <p> <code>ProductSKU</code> </p> "
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of
results.</p>"
 },
 "MaxResults":{
 "shape":"MaxSize100",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"ListReceivedLicensesForOrganizationResponse":{
 "type":"structure",
 "members":{
 "Licenses":{
 "shape":"GrantedLicenseList",
 "documentation":"<p>Lists the licenses the organization has received.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListReceivedLicensesRequest":{
 "type":"structure",
 "members":{
 "LicenseArns":{
 "shape":"ArnList",
 "documentation":"<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 },
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <p>
<code>ProductSKU</code>
</p> <p> <code>Status</code> </p> <p> <code>Fingerprint</code> </p> <p>
<code>IssuerName</code> </p> <p> <code>Beneficiary</code> </p> "
 },
 "NextToken":{
 "shape":"String",

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 "documentation": "<p>Token for the next set of results.</p>"
 },
 "MaxResults": {
 "shape": "MaxSize100",
 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
}
},
"ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "shape": "GrantedLicenseList",
 "documentation": "<p>Received license details.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "shape": "BoxInteger",
 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 },
 "Filters": {
 "shape": "InventoryFilterList",
 "documentation": "<p>Filters to scope the results. The following filters and logical operators are supported:</p>

 <p> <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>
 <p> <code>application_name</code> - The name of the application. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>
 <p> <code>license_included</code> - The type of license included. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. Possible values are <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> | <code>windows-server-datacenter</code>.</p>
 <p> <code>platform</code> - The platform of the resource. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>
 <p> <code>resource_id</code> - The ID of the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>
 <p> <code>tag:<key></code> - The key/value combination of a tag assigned to the resource. Logical operators are <code>EQUALS</code> (single account) or <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account).</p>
 "
 }
 }
}

```

```

 }
 },
 "ListResourceInventoryResponse":{
 "type":"structure",
 "members":{
 "ResourceInventoryList":{
 "shape":"ResourceInventoryList",
 "documentation":"<p>Information about the resources.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
 },
 "ListTagsForResourceRequest":{
 "type":"structure",
 "required":["ResourceArn"],
 "members":{
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "ListTagsForResourceResponse":{
 "type":"structure",
 "members":{
 "Tags":{
 "shape":"TagList",
 "documentation":"<p>Information about the tags.</p>"
 }
 }
 },
 "ListTokensRequest":{
 "type":"structure",
 "members":{
 "TokenIds":{
 "shape":"StringList",
 "documentation":"<p>Token IDs.</p>"
 },
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>Filters to scope the results. The following filter is supported:</p> <p>
<code>LicenseArns</code> </p> "
 }
 },
 "NextToken":{
 "shape":"String",

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 "documentation": "<p>Token for the next set of
results.</p>"
 },
 "MaxResults": {
 "shape": "MaxSize100",
 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
}
},
"ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "shape": "TokenList",
 "documentation": "<p>Received token details.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "required": ["LicenseConfigurationArn"],
 "members": {
 "LicenseConfigurationArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 },
 "MaxResults": {
 "shape": "BoxInteger",
 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
},
"Filters": {
 "shape": "Filters",
 "documentation": "<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <p> <code>resourceArn</code> - The ARN of the license configuration resource. Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> <p> <code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> |
<code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> <p> <code>resourceAccount</code>
- The ID of the account that owns the resource. Logical operators are <code>EQUALS</code> |

```

```

<code>NOT_EQUALS</code>.</p> "
 }
}
},
"ListUsageForLicenseConfigurationResponse":{
 "type":"structure",
 "members":{
 "LicenseConfigurationUsageList":{
 "shape":"LicenseConfigurationUsageList",
 "documentation":"<p>Information about the license configurations.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"Location":{"type":"string"},
"Long":{"type":"long"},
"ManagedResourceSummary":{
 "type":"structure",
 "members":{
 "ResourceType":{
 "shape":"ResourceType",
 "documentation":"<p>Type of resource associated with a license.</p>"
 },
 "AssociationCount":{
 "shape":"BoxLong",
 "documentation":"<p>Number of resources associated with licenses.</p>"
 }
 },
 "documentation":"<p>Summary information about a managed resource.</p>"
},
"ManagedResourceSummaryList":{
 "type":"list",
 "member":{"shape":"ManagedResourceSummary"}
},
"MaxSize100":{
 "type":"integer",
 "max":100,
 "min":1
},
"MaxSize3StringList":{
 "type":"list",
 "member":{"shape":"String"},
 "max":3
},
"Message":{"type":"string"},

```

```

"Metadata":{
 "type":"structure",
 "members":{
 "Name":{
 "shape":"String",
 "documentation":"<p>The key name.</p>"
 },
 "Value":{
 "shape":"String",
 "documentation":"<p>The value.</p>"
 }
 },
 "documentation":"<p>Describes key/value pairs.</p>"
},
"MetadataList":{
 "type":"list",
 "member":{"shape":"Metadata"}
},
"NoEntitlementsAllowedException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>There are no entitlements found for this license, or the entitlement maximum count is
reached.</p>",
 "exception":true
},
"Options":{
 "type":"structure",
 "members":{
 "ActivationOverrideBehavior":{
 "shape":"ActivationOverrideBehavior",
 "documentation":"<p>An activation option for your grant that determines the behavior of activating a grant.
Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace.
Additionally, the operation must specify the value of <code>ACTIVE</code> for the <code>Status</code>
parameter.</p> <p>As a license administrator, you can optionally specify an
<code>ActivationOverrideBehavior</code> when activating a grant.</p> <p>As a grantor, you can
optionally specify an <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee account in
your organization.</p> <p>As a grantee, if the grantor creating the distributed grant doesnt specify an
<code>ActivationOverrideBehavior</code>, you can optionally specify one when you are activating the grant.</p>
 <dl> <dt>DISTRIBUTED_GRANTS_ONLY</dt> <dd> <p>Use this value to activate
a grant without replacing any member accounts active grants for the same product.</p> </dd>
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt> <dd> <p>Use this value to activate a grant and disable
other active grants in any member accounts for the same product. This action will also replace their previously
activated grants with this activated grant.</p> </dd> </dl>"
 }
 },
 "documentation":"<p>The options you can specify when you create a new version of a grant, such as activation

```

override behavior. For more information, see <https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html> "Granted licenses in License Manager" in the *License Manager User Guide*.

```
 },
 "OrganizationConfiguration":{
 "type":"structure",
 "required":["EnableIntegration"],
 "members":{
 "EnableIntegration":{
 "shape":"Boolean",
 "documentation":"<p>Enables Organizations integration.</p>"
 }
 }
 },

 "documentation":"<p>Configuration information for Organizations.</p>"
 },
 "PrincipalArnList":{
 "type":"list",
 "member":{"shape":"Arn"},
 "max":1,
 "min":1
 },
 "ProductInformation":{
 "type":"structure",
 "required":[
 "ResourceType",
 "ProductInformationFilterList"
],
 "members":{
 "ResourceType":{
 "shape":"String",
 "documentation":"<p>Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>"
 },
 "ProductInformationFilterList":{
 "shape":"ProductInformationFilterList",
 "documentation":"<p>A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. </p> <p>Accepted values for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>.</p> <p>The following filters and are supported when the resource type is <code>SSM_MANAGED</code>:</p> <p> <code>Application Name</code> - The name of the application. Logical operator is <code>EQUALS</code>.</p> <p> <code>Application Publisher</code> - The publisher of the application. Logical operator is <code>EQUALS</code>.</p> <p> <code>Application Version</code> - The version of the application. Logical operator is <code>EQUALS</code>.</p> <p> <code>Platform Name</code> - The name of the platform. Logical operator is <code>EQUALS</code>.</p> </p>"
 }
 }
 }
}
```

`Platform Type` - The platform type. Logical operator is `EQUALS`.

`Tag:key` - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`. The key for your tag must be appended to `Tag:` following the example: `Tag:name-of-your-key`. `ProductInformationFilterValue` is optional if you are not using values for the key.

`AccountId` - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`.

`License Included` - The type of license included. Logical operators are `EQUALS` and `NOT_EQUALS`. Possible values are: `sql-server-enterprise` | `sql-server-standard` | `sql-server-web` | `windows-server-datacenter`.

The following filters and logical operators are supported when the resource type is `RDS`:

- `Engine Edition` - The edition of the database engine. Logical operator is `EQUALS`. Possible values are: `oracle-ee` | `oracle-se` | `oracle-se1` | `oracle-se2`.
- `License Pack` - The license pack. Logical operator is `EQUALS`. Possible values are: `data guard` | `diagnostic pack sqlt` | `tuning pack sqlt` | `ols` | `olap`.

```

 }
 },
 "documentation": "<p>Describes product information for a license configuration.</p>"
},
"ProductInformationFilter": {
 "type": "structure",
 "required": [
 "ProductInformationFilterName",
 "ProductInformationFilterComparator"
],
 "members": {
 "ProductInformationFilterName": {
 "shape": "String",
 "documentation": "<p>Filter name.</p>"
 },
 "ProductInformationFilterValue": {
 "shape": "StringList",
 "documentation": "<p>Filter value.</p>"
 },
 "ProductInformationFilterComparator": {
 "shape": "String",
 "documentation": "<p>Logical operator.</p>"
 }
 },
 "documentation": "<p>Describes product information filters.</p>"
},
"ProductInformationFilterList": {
 "type": "list",
 "member": { "shape": "ProductInformationFilter" }
},
"ProductInformationList": {

```

```

"type":"list",
"member":{"shape":"ProductInformation"}
},
"ProvisionalConfiguration":{
"type":"structure",
"required":["MaxTimeToLiveInMinutes"],
"members":{
"MaxTimeToLiveInMinutes":{
"shape":"BoxInteger",
"documentation":"<p>Maximum time for the provisional configuration, in minutes.</p>"
}
},
"documentation":"<p>Details about a provisional configuration.</p>"
},
"RateLimitExceededException":{
"type":"structure",
"members":{
"Message":{"shape":"Message"}
},
"documentation":"<p>Too many requests have been submitted. Try again after
a brief wait.</p>",
"exception":true
},
"ReceivedMetadata":{
"type":"structure",
"members":{
"ReceivedStatus":{
"shape":"ReceivedStatus",
"documentation":"<p>Received status.</p>"
},
"ReceivedStatusReason":{
"shape":"StatusReasonMessage",
"documentation":"<p>Received status reason.</p>"
},
"AllowedOperations":{
"shape":"AllowedOperationList",
"documentation":"<p>Allowed operations.</p>"
}
},
"documentation":"<p>Metadata associated with received licenses and grants.</p>"
},
"ReceivedStatus":{
"type":"string",
"enum":[
"PENDING_WORKFLOW",
"PENDING_ACCEPT",
"REJECTED",
"ACTIVE",

```

```

 "FAILED_WORKFLOW",
 "DELETED",
 "DISABLED",
 "WORKFLOW_COMPLETED"
]
},
"RedirectException":{
 "type":"structure",
 "members":{
 "Location":{"shape":"Location"},
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>This is not the correct Region for the resource. Try again.</p>",
 "exception":true
},
"RejectGrantRequest":{
 "type":"structure",
 "required":["GrantArn"],
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
 }
 }
},
"RejectGrantResponse":{
 "type":"structure",
 "members":{
 "GrantArn":{
 "shape":"Arn",
 "documentation":"<p>Grant ARN.</p>"
 },
 "Status":{
 "shape":"GrantStatus",
 "documentation":"<p>Grant status.</p>"
 },
 "Version":{
 "shape":"String",
 "documentation":"<p>Grant version.</p>"
 }
 }
},
"RenewType":{
 "type":"string",
 "enum":[
 "None",
 "Weekly",
 "Monthly"
]
}

```

```

]
},
"ReportContext":{
 "type":"structure",
 "required":["licenseConfigurationArns"],
 "members":{
 "licenseConfigurationArns":{
 "shape":"ArnList",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration that this generator reports
on.</p>"
 }
 },
 "documentation":"<p>Details of the license configuration that this generator reports on.</p>"
},
"ReportFrequency":{
 "type":"structure",
 "members":{
 "value":{
 "shape":"Integer",
 "documentation":"<p>Number of times within the frequency period that a report is generated. The only
supported value is <code>1</code>.</p>"
 },
 "period":{
 "shape":"ReportFrequencyType",
 "documentation":"<p>Time period between each report. The period can be daily, weekly, or monthly.</p>"
 }
 },
 "documentation":"<p>Details about how frequently reports are generated.</p>"
},
"ReportFrequencyType":{
 "type":"string",
 "enum":[
 "DAY",
 "WEEK",
 "MONTH"
]
},
"ReportGenerator":{
 "type":"structure",
 "members":{
 "ReportGeneratorName":{
 "shape":"String",
 "documentation":"<p>Name of the report generator.</p>"
 },
 "ReportType":{
 "shape":"ReportTypeList",
 "documentation":"<p>Type of reports that are generated.</p>"
 }
 },

```

```

"ReportContext":{
 "shape":"ReportContext",
 "documentation":"<p>License configuration type for this generator.</p>"
},
"ReportFrequency":{
 "shape":"ReportFrequency",
 "documentation":"<p>Details about how frequently reports are generated.</p>"
},
"LicenseManagerReportGeneratorArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
},
"LastRunStatus":{
 "shape":"String",
 "documentation":"<p>Status of the
last report generation attempt.</p>"
},
"LastRunFailureReason":{
 "shape":"String",
 "documentation":"<p>Failure message for the last report generation attempt.</p>"
},
"LastReportGenerationTime":{
 "shape":"String",
 "documentation":"<p>Time the last report was generated at.</p>"
},
"ReportCreatorAccount":{
 "shape":"String",
 "documentation":"<p>The Amazon Web Services account ID used to create the report generator.</p>"
},
"Description":{
 "shape":"String",
 "documentation":"<p>Description of the report generator.</p>"
},
"S3Location":{
 "shape":"S3Location",
 "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
},
"CreateTime":{
 "shape":"String",
 "documentation":"<p>Time the report was created.</p>"
},
"Tags":{
 "shape":"TagList",
 "documentation":"<p>Tags associated with the report generator.</p>"
},
"documentation":"<p>Describe the details of a report generator.</p>"

```

```

},
"ReportGeneratorList":{
 "type":"list",
 "member":{"shape":"ReportGenerator"}
},
"ReportGeneratorName":{
 "type":"string",
 "max":100,
 "min":1
},
"ReportType":{
 "type":"string",
 "enum":[
 "LicenseConfigurationSummaryReport",
 "LicenseConfigurationUsageReport"
]
},
"ReportTypeList":{
 "type":"list",
 "member":{"shape":"ReportType"}
},
"ResourceInventory":{
 "type":"structure",
 "members":{
 "ResourceId":{
 "shape":"String",
 "documentation":"<p>ID of the resource.</p>"
 },
 "ResourceType":{
 "shape":"ResourceType",
 "documentation":"<p>Type of resource.</p>"
 },
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 "Platform":{
 "shape":"String",
 "documentation":"<p>Platform of the resource.</p>"
 },
 "PlatformVersion":{
 "shape":"String",
 "documentation":"<p>Platform version of the resource in the inventory.</p>"
 },
 "ResourceOwningAccountId":{
 "shape":"String",
 "documentation":"<p>ID of the account that owns the resource.</p>"
 }
 }
}

```

```

 },
 "documentation": "<p>Details about a resource.</p>"
 },
 "ResourceInventoryList": {
 "type": "list",
 "member": { "shape": "ResourceInventory" }
 },
 "ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": { "shape": "Message" }
 },
 "documentation": "<p>Your resource limits have been exceeded.</p>",
 "exception": true
 },
 "ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": { "shape": "Message" }
 },
 "documentation": "<p>The resource cannot be found.</p>",
 "exception": true
 },
 "ResourceType": {
 "type": "string",
 "enum": [
 "EC2_INSTANCE",
 "EC2_HOST",
 "EC2_AMI",
 "RDS",
 "SYSTEMS_MANAGER_MANAGED_INSTANCE"
]
 },
 "S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "shape": "String",
 "documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 },
 "keyPrefix": {
 "shape": "String",
 "documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 },
 "documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 },
 "ServerInternalException": {

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"type":"structure",
"members":{
 "Message":{"shape":"Message"}
},
"documentation":"<p>The server experienced an internal error. Try again.</p>",
"exception":true,
"fault":true
},
"SignedToken":{
 "type":"string",
 "min":4096
},
"StatusReasonMessage":{
 "type":"string",
 "max":400,
 "pattern":"[\\s\\S]+"
},
"String":{"type":"string"},
"StringList":{
 "type":"list",
 "member":{"shape":"String"}
},
"Tag":{
 "type":"structure",
 "members":{
 "Key":{
 "shape":"String",
 "documentation":"<p>Tag key.</p>"
 },
 "Value":{
 "shape":"String",
 "documentation":"<p>Tag value.</p>"
 }
 },
 "documentation":"<p>Details about a tag for a license configuration.</p>"
},
"TagKeyList":{
 "type":"list",
 "member":{"shape":"String"}
},
"TagList":{
 "type":"list",
 "member":{"shape":"Tag"}
},
"TagResourceRequest":{
 "type":"structure",
 "required":[
 "ResourceArn",

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```

 "Tags"
],
 "members": {
 "ResourceArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 },
 "Tags": {
 "shape": "TagList",
 "documentation": "<p>One or more tags.</p>"
 }
 }
},
"TagResourceResponse": {
 "type": "structure",
 "members": {
 }
},
"TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "shape": "String",
 "documentation": "<p>Token ID.</p>"
 },
 "TokenType": {
 "shape": "String",
 "documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 },
 "LicenseArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 },
 "ExpirationTime": {
 "shape": "ISO8601DateTime",
 "documentation": "<p>Token expiration time, in ISO8601-UTC format.</p>"
 },
 "TokenProperties": {
 "shape": "MaxSize3StringList",
 "documentation": "<p>Data specified by the caller.</p>"
 },
 "RoleArns": {
 "shape": "ArnList",
 "documentation": "<p>Amazon Resource Names (ARN) of the roles included in the token.</p>"
 },
 "Status": {
 "shape": "String",

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 "documentation": "<p>Token status. The possible values are <code>AVAILABLE</code> and
<code>DELETED</code>.</p>"
 }
},
"documentation": "<p>Describes a token.</p>"
},
"TokenList": {
 "type": "list",
 "member": { "shape": "TokenData" }
},
"TokenString": {
 "type": "string",
 "max": 4096,
 "pattern": "\\S+"
},
"TokenType": {
 "type": "string",
 "enum": ["REFRESH_TOKEN"]
},
"UnsupportedDigitalSignatureMethodException": {
 "type": "structure",
 "members": {
 "Message": { "shape": "Message" }
 }
},
"documentation": "<p>The digital signature method is unsupported.
Try your request again.</p>",
"exception": true
},
"UntagResourceRequest": {
 "type": "structure",
 "required": [
 "ResourceArn",
 "TagKeys"
],
 "members": {
 "ResourceArn": {
 "shape": "String",
 "documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 },
 "TagKeys": {
 "shape": "TagKeyList",
 "documentation": "<p>Keys identifying the tags to remove.</p>"
 }
 }
},
"UntagResourceResponse": {
 "type": "structure",
 "members": {

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```

 }
 },
 "UpdateLicenseConfigurationRequest":{
 "type":"structure",
 "required":["LicenseConfigurationArn"],
 "members":{
 "LicenseConfigurationArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 },
 "LicenseConfigurationStatus":{
 "shape":"LicenseConfigurationStatus",
 "documentation":"<p>New
status of the license configuration.</p>"
 },
 "LicenseRules":{
 "shape":"StringList",
 "documentation":"<p>New license rule. The only rule that you can add after you create a license configuration
is licenseAffinityToHost.</p>"
 },
 "LicenseCount":{
 "shape":"BoxLong",
 "documentation":"<p>New number of licenses managed by the license configuration.</p>"
 },
 "LicenseCountHardLimit":{
 "shape":"BoxBoolean",
 "documentation":"<p>New hard limit of the number of available licenses.</p>"
 },
 "Name":{
 "shape":"String",
 "documentation":"<p>New name of the license configuration.</p>"
 },
 "Description":{
 "shape":"String",
 "documentation":"<p>New description of the license configuration.</p>"
 },
 "ProductInformationList":{
 "shape":"ProductInformationList",
 "documentation":"<p>New
product information.</p>"
 },
 "DisassociateWhenNotFound":{
 "shape":"BoxBoolean",
 "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
 }
 }
 },
 "UpdateLicenseConfigurationResponse":{

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"type":"structure",
"members":{
}
},
"UpdateLicenseManagerReportGeneratorRequest":{
"type":"structure",
"required":[
"LicenseManagerReportGeneratorArn",
"ReportGeneratorName",
"Type",
"ReportContext",
"ReportFrequency",
"ClientToken"
],
"members":{
"LicenseManagerReportGeneratorArn":{
"shape":"String",
"documentation":"<p>Amazon Resource Name (ARN) of the report generator to update.</p>"
},
"ReportGeneratorName":{
"shape":"ReportGeneratorName",
"documentation":"<p>Name of the report generator.</p>"
},
"Type":{
"shape":"ReportTypeList",
"documentation":"<p>Type of reports to generate. The following report types are supported:</p>
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p> <p>Resource report - Reports the tracked licenses and resource consumption for a
license configuration.</p> "
},
"ReportContext":{
"shape":"ReportContext",
"documentation":"<p>The report context.</p>"
},
"ReportFrequency":{
"shape":"ReportFrequency",
"documentation":"<p>Frequency by which reports are generated.</p>"
},
"ClientToken":{
"shape":"ClientRequestToken",
"documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
},
"Description":{
"shape":"String",
"documentation":"<p>Description of the report generator.</p>"
}
}
}

```

```

}
}
},
"UpdateLicenseManagerReportGeneratorResponse":{
 "type":"structure",
 "members":{
 }
},
"UpdateLicenseSpecificationsForResourceRequest":{
 "type":"structure",
 "required":["ResourceArn"],
 "members":{
 "ResourceArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>"
 },
 "AddLicenseSpecifications":{
 "shape":"LicenseSpecifications",
 "documentation":"<p>ARNs of the license configurations to add.</p>"
 },
 "RemoveLicenseSpecifications":{
 "shape":"LicenseSpecifications",
 "documentation":"<p>ARNs of the license configurations to remove.</p>"
 }
 }
},
"UpdateLicenseSpecificationsForResourceResponse":{
 "type":"structure",
 "members":{
 }
},
"UpdateServiceSettingsRequest":{
 "type":"structure",
 "members":{
 "S3BucketArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager
information is stored.</p>"
 },
 "SnsTopicArn":{
 "shape":"String",
 "documentation":"<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager
alerts.</p>"
 },
 "OrganizationConfiguration":{
 "shape":"OrganizationConfiguration",
 "documentation":"<p>Enables integration with Organizations for cross-account discovery.</p>"
 }
 }
},

```

```

 "EnableCrossAccountsDiscovery":{
 "shape":"BoxBoolean",
 "documentation":"<p>Activates cross-account discovery.</p>"
 }
 },
 "UpdateServiceSettingsResponse":{
 "type":"structure",
 "members":{
 }
 },
 "UsageOperation":{
 "type":"string",
 "max":50
 },
 "ValidationException":{
 "type":"structure",
 "members":{
 "Message":{"shape":"Message"}
 },
 "documentation":"<p>The provided input is not valid. Try your request again.</p>",
 "exception":true
 }
},
"documentation":"<p>License Manager makes it easier to manage licenses from software vendors across multiple Amazon Web Services accounts and on-premises servers.</p>"
}
{
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 }
 }
]
}

```

```

 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack
enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {

```

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"documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
"expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
},
"params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
"expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
},
"params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
}
},
{
"documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
"expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
},
"params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
}
},
{
"documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
"expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
},
"params": {
 "Region": "us-gov-east-1",

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 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
}
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 }
}

```

```

 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {

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```

 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",

 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation":

```

```

"For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,

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```

 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
{
 "version": "2.0",
 "metadata": {
 "apiVersion": "2018-05-10",
 "endpointPrefix": "license-manager-user-subscriptions",
 "jsonVersion": "1.1",
 "protocol": "rest-json",
 "serviceFullName": "AWS License Manager User Subscriptions",
 "serviceId": "License Manager User Subscriptions",
 "signatureVersion": "v4",
 "signingName": "license-manager-user-subscriptions",
 "uid": "license-manager-user-subscriptions-2018-05-10"
 },
 "operations": {
 "AssociateUser": {
 "name": "AssociateUser",
 "http": {
 "method": "POST",
 "requestUri": "/user/AssociateUser",
 "responseCode": 200
 },
 "input": { "shape": "AssociateUserRequest" },
 "output": { "shape": "AssociateUserResponse" },
 "errors": [
 { "shape": "ServiceQuotaExceededException" },
 { "shape": "ConflictException" },
 { "shape": "ValidationException" },
 { "shape": "ThrottlingException" },
 { "shape": "InternalServerErrorException" },
 { "shape": "ResourceNotFoundException" },
 { "shape": "AccessDeniedException" }
],
 "documentation": "<p>Associates the user to an EC2 instance to utilize user-based subscriptions.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more
information, see Viewing

```

your monthly charges

 in the *Amazon Web Services Billing User Guide*.

```
"idempotent":true
},
"DeregisterIdentityProvider":{
 "name":"DeregisterIdentityProvider",
 "http":{
 "method":"POST",
 "requestUri":"/identity-provider/DeregisterIdentityProvider",
 "responseCode":200
 },
 "input":{"shape":"DeregisterIdentityProviderRequest"},
 "output":{"shape":"DeregisterIdentityProviderResponse"},
 "errors":[
 {"shape":"ServiceQuotaExceededException"},
 {"shape":"ConflictException"},
 {"shape":"ValidationException"},
 {"shape":"ThrottlingException"},
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"AccessDeniedException"}
],
 "documentation":"<p>Deregisters the identity provider from providing user-based subscriptions.</p>",
 "idempotent":true
},
"DisassociateUser":{
 "name":"DisassociateUser",
 "http":{
 "method":"POST",
 "requestUri":"/user/DisassociateUser",
 "responseCode":200
 },
 "input":{"shape":"DisassociateUserRequest"},
 "output":{"shape":"DisassociateUserResponse"},
 "errors":[
 {"shape":"ServiceQuotaExceededException"},
 {"shape":"ConflictException"},
 {"shape":"ValidationException"},
 {"shape":"ThrottlingException"},
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"AccessDeniedException"}
],
 "documentation":"<p>Disassociates the user from an EC2 instance providing user-based subscriptions.</p>",
 "idempotent":true
},
>ListIdentityProviders":{
 "name":"ListIdentityProviders",
 "http":{
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 "method": "POST",
 "requestUri": "/identity-provider/ListIdentityProviders",
 "responseCode": 200
 },
 "input": { "shape": "ListIdentityProvidersRequest" },
 "output": { "shape": "ListIdentityProvidersResponse" },
 "errors": [
 { "shape": "ServiceQuotaExceededException" },
 { "shape": "ConflictException" },
 { "shape": "ValidationException" },
 { "shape": "ThrottlingException" },
 { "shape": "InternalServerError" },
 { "shape": "ResourceNotFoundException" },
 { "shape": "AccessDeniedException" }
],
 "documentation": "<p>Lists the identity providers for user-based subscriptions.</p>"
},
"ListInstances": {
 "name": "ListInstances",
 "http": {
 "method": "POST",
 "requestUri": "/instance/ListInstances",
 "responseCode": 200
 },
 "input": { "shape": "ListInstancesRequest" },
 "output": { "shape": "ListInstancesResponse" },
 "errors": [
 { "shape": "ServiceQuotaExceededException" },
 { "shape": "ConflictException" },
 { "shape": "ValidationException" },
 { "shape": "ThrottlingException" },
 { "shape": "InternalServerError" },
 { "shape": "ResourceNotFoundException" },
 { "shape": "AccessDeniedException" }
],
 "documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>"
},
"ListProductSubscriptions": {
 "name": "ListProductSubscriptions",
 "http": {
 "method": "POST",
 "requestUri": "/user/ListProductSubscriptions",
 "responseCode": 200
 },
 "input": { "shape": "ListProductSubscriptionsRequest" },
 "output": { "shape": "ListProductSubscriptionsResponse" },

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"errors":[
 {"shape":"ServiceQuotaExceededException"},
 {"shape":"ConflictException"},
 {"shape":"ValidationException"},
 {"shape":"ThrottlingException"},
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"AccessDeniedException"}
],
"documentation":"<p>Lists the user-based subscription products available from an identity provider.</p>"
},
"ListUserAssociations":{
 "name":"ListUserAssociations",
 "http":{
 "method":"POST",
 "requestUri":"/user/ListUserAssociations",
 "responseCode":200
 },
 "input":{"shape":"ListUserAssociationsRequest"},
 "output":{"shape":"ListUserAssociationsResponse"},
 "errors":[
 {"shape":"ServiceQuotaExceededException"},
 {"shape":"ConflictException"},
 {"shape":"ValidationException"},
 {"shape":"ThrottlingException"},
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"AccessDeniedException"}
],
 "documentation":"<p>Lists user associations for an identity provider.</p>"
},
"RegisterIdentityProvider":{
 "name":"RegisterIdentityProvider",
 "http":{
 "method":"POST",
 "requestUri":"/identity-provider/RegisterIdentityProvider",
 "responseCode":200
 },
 "input":{"shape":"RegisterIdentityProviderRequest"},
 "output":{"shape":"RegisterIdentityProviderResponse"},
 "errors":[
 {"shape":"ServiceQuotaExceededException"},
 {"shape":"ConflictException"},
 {"shape":"ValidationException"},
 {"shape":"ThrottlingException"},
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"AccessDeniedException"}
]
}

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],
 "documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "idempotent": true
 },
 "StartProductSubscription": {
 "name": "StartProductSubscription",
 "http": {
 "method": "POST",
 "requestUri": "/user/StartProductSubscription",
 "responseCode": 200
 },
 "input": { "shape": "StartProductSubscriptionRequest" },
 "output": { "shape": "StartProductSubscriptionResponse" },
 "errors": [
 { "shape": "ServiceQuotaExceededException" },
 { "shape": "ConflictException" },
 { "shape": "ValidationException" },
 { "shape": "ThrottlingException" },
 { "shape": "InternalServerError" },
 { "shape": "ResourceNotFoundException" },
 { "shape": "AccessDeniedException" }
],
 "documentation": "<p>Starts a product subscription for a user with the specified identity provider.</p> <note>
 <p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
 periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more
 information, see Viewing
 your monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>"
 },
 "StopProductSubscription": {
 "name": "StopProductSubscription",
 "http": {
 "method": "POST",
 "requestUri": "/user/StopProductSubscription",
 "responseCode": 200
 },
 "input": { "shape": "StopProductSubscriptionRequest" },
 "output": { "shape": "StopProductSubscriptionResponse" },
 "errors": [
 { "shape": "ServiceQuotaExceededException" },
 { "shape": "ConflictException" },
 { "shape": "ValidationException" },
 { "shape": "ThrottlingException" },
 { "shape": "InternalServerError" },
 { "shape": "ResourceNotFoundException" },
 { "shape": "AccessDeniedException" }
],
 "documentation": "<p>Stops a product subscription for a user with the specified identity provider.</p>"
 },
}

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"UpdateIdentityProviderSettings":{
 "name":"UpdateIdentityProviderSettings",
 "http":{
 "method":"POST",
 "requestUri":"/identity-provider/UpdateIdentityProviderSettings",
 "responseCode":200
 },
 "input":{"shape":"UpdateIdentityProviderSettingsRequest"},
 "output":{"shape":"UpdateIdentityProviderSettingsResponse"},
 "errors":[
 {"shape":"ValidationException"},
 {"shape":"ThrottlingException"},
 {"shape":"InternalServerError"},
 {"shape":"AccessDeniedException"}
],
 "documentation":"<p>Updates additional product configuration settings for the registered identity
provider.</p>",
 "idempotent":true
},
"shapes":{
 "AccessDeniedException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>You don't have sufficient access to perform this action.</p>",
 "exception":true
},
 "ActiveDirectoryIdentityProvider":{
 "type":"structure",
 "members":{
 "DirectoryId":{
 "shape":"String",
 "documentation":"<p>The directory ID for an Active Directory identity provider.</p>"
 }
 },
 "documentation":"<p>Details about an Active Directory identity provider.</p>"
},
 "AssociateUserRequest":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "InstanceId",
 "Username"
],
 "members":{
 "Domain":{

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 "shape":"String",
 "documentation":"<p>The domain name of the user.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>The identity provider of the user.</p>"
 },
 "InstanceId":{
 "shape":"String",
 "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
 },
 "Username":{
 "shape":"String",
 "documentation":"<p>The user name from the identity provider for the user.</p>"
 }
}
},
"AssociateUserResponse":{
 "type":"structure",
 "required":["InstanceUserSummary"],
 "members":{
 "InstanceUserSummary":{
 "shape":"InstanceUserSummary",
 "documentation":"<p>Metadata that describes the associate user operation.</p>"
 }
 }
},
"BoxInteger":{
 "type":"integer",
 "box":true
},
"ConflictException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>The request couldn't be completed because it conflicted with the current state of the resource.</p>",
 "exception":true,
 "fault":true
},
"DeregisterIdentityProviderRequest":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "Product"
],
 "members":{

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"IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
},
"Product":{
 "shape":"String",
 "documentation":"<p>The name of the user-based subscription product.</p>"
}
},
"DeregisterIdentityProviderResponse":{
 "type":"structure",
 "required":["IdentityProviderSummary"],
 "members":{
 "IdentityProviderSummary":{
 "shape":"IdentityProviderSummary",
 "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
 }
 }
},
"DisassociateUserRequest":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "InstanceId",
 "Username"
],
 "members":{
 "Domain":{
 "shape":"String",
 "documentation":"<p>The domain name of the user.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
 },
 },
}
"InstanceId":{
 "shape":"String",
 "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
},
"Username":{
 "shape":"String",
 "documentation":"<p>The user name from the identity provider for the user.</p>"
}
},
"DisassociateUserResponse":{

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"type":"structure",
"required":["InstanceUserSummary"],
"members":{
 "InstanceUserSummary":{
 "shape":"InstanceUserSummary",
 "documentation":"<p>Metadata that describes the associate user operation.</p>"
 }
}
},
"Filter":{
 "type":"structure",
 "members":{
 "Attribute":{
 "shape":"String",
 "documentation":"<p>The name of an attribute to use as a filter.</p>"
 },
 "Operation":{
 "shape":"String",
 "documentation":"<p>The type of search (For example, eq, geq, leq)</p>"
 },
 "Value":{
 "shape":"String",
 "documentation":"<p>Value of the filter.</p>"
 }
 },
 "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
},
"FilterList":{
 "type":"list",
 "member":{"shape":"Filter"}
},
"IdentityProvider":{
 "type":"structure",
 "members":{
 "ActiveDirectoryIdentityProvider":{
 "shape":"ActiveDirectoryIdentityProvider",
 "documentation":"<p>An object that details an Active Directory identity provider.</p>"
 }
 },
 "documentation":"<p>Details about an identity provider.</p>",
 "union":true
},
"IdentityProviderSummary":{
 "type":"structure",
 "required":[
 "IdentityProvider",

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 "Product",
 "Settings",
 "Status"
],
 "members": {
 "FailureMessage": {
 "shape": "String",
 "documentation": "<p>The failure message associated with an identity provider.</p>"
 },
 "IdentityProvider": {
 "shape": "IdentityProvider",
 "documentation": "<p>An object that specifies details for the identity provider.</p>"
 },
 "Product": {
 "shape": "String",
 "documentation": "<p>The name of the user-based subscription product.</p>"
 },
 "Settings": {
 "shape": "Settings",
 "documentation": "<p>An object that details the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
 },
 "Status": {
 "shape": "String",
 "documentation": "<p>The status of an identity provider.</p>"
 }
 },
 "documentation": "<p>Describes an identity provider.</p>"
},
"IdentityProviderSummaryList": {
 "type": "list",
 "member": { "shape": "IdentityProviderSummary" }
},
"InstanceSummary": {
 "type": "structure",
 "required": [
 "InstanceId",
 "Products",
 "Status"
],
 "members": {
 "InstanceId": {
 "shape": "String",
 "documentation": "<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
 },
 "LastStatusCheckDate": {
 "shape": "String",
 "documentation": "<p>The date of the last status check.</p>"
 }
 }
}

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 },
 "Products":{
 "shape":"StringList",
 "documentation":"<p>A list of provided user-based subscription products.</p>"
 },
 "Status":{
 "shape":"String",
 "documentation":"<p>The status of an EC2 instance resource.</p>"
 },
 "StatusMessage":{
 "shape":"String",
 "documentation":"<p>The status message for an EC2 instance.</p>"
 }
 },
 "documentation":"<p>Describes an EC2 instance providing user-based subscriptions.</p>"
},
"InstanceSummaryList":{
 "type":"list",
 "member":{"shape":"InstanceSummary"}
},
"InstanceUserSummary":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "InstanceId",
 "Status",
 "Username"
],
 "members":{
 "AssociationDate":{
 "shape":"String",
 "documentation":"<p>The date a user was associated with an EC2 instance.</p>"
 },
 "DisassociationDate":{
 "shape":"String",
 "documentation":"<p>The date a user was disassociated from an EC2 instance.</p>"
 },
 "Domain":{
 "shape":"String",
 "documentation":"<p>The domain name of the user.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
 },
 "InstanceId":{
 "shape":"String",
 "documentation":"<p>The ID

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of the EC2 instance, which provides user-based subscriptions.</p>"

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 },
 "Status":{
 "shape":"String",
 "documentation":"<p>The status of a user associated with an EC2 instance.</p>"
 },
 "StatusMessage":{
 "shape":"String",
 "documentation":"<p>The status message for users of an EC2 instance.</p>"
 },
 "Username":{
 "shape":"String",
 "documentation":"<p>The user name from the identity provider for the user.</p>"
 }
},
"documentation":"<p>Describes users of an EC2 instance providing user-based subscriptions.</p>"
},
"InstanceUserSummaryList":{
 "type":"list",
 "member":{"shape":"InstanceUserSummary"}
},
"InternalServerError":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>An exception occurred with the service.</p>",
 "exception":true,
 "fault":true
},
"ListIdentityProvidersRequest":{
 "type":"structure",
 "members":{
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListIdentityProvidersResponse":{
 "type":"structure",
 "required":["IdentityProviderSummaries"],
 "members":{
 "IdentityProviderSummaries":{
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 "shape": "IdentityProviderSummaryList",
 "documentation": "<p>Metadata that describes the list identity providers operation.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
}
},
"ListInstancesRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "shape": "FilterList",
 "documentation": "<p>An
array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that
you specify.</p>"
 },
 "MaxResults": {
 "shape": "BoxInteger",
 "documentation": "<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"ListInstancesResponse": {
 "type": "structure",
 "members": {
 "InstanceSummaries": {
 "shape": "InstanceSummaryList",
 "documentation": "<p>Metadata that describes the list instances operation.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"ListProductSubscriptionsRequest": {
 "type": "structure",
 "required": [
 "IdentityProvider",
 "Product"
],
 "members": {

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 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>An array of structures that you can use to filter the results to those that match one or
more sets of key-value pairs that you specify.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 },
 "Product":{
 "shape":"String",
 "documentation":"<p>The name of the user-based subscription product.</p>"
 }
 }
},
"ListProductSubscriptionsResponse":{
 "type":"structure",
 "members":{
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token
for the next set of results.</p>"
 },
 "ProductUserSummaries":{
 "shape":"ProductUserSummaryList",
 "documentation":"<p>Metadata that describes the list product subscriptions operation.</p>"
 }
 }
},
"ListUserAssociationsRequest":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "InstanceId"
],
 "members":{
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>An array of structures that you can use to filter the results to those that match one or
more sets of key-value pairs that you specify.</p>"
 }
 }
}

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 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
 },
 "InstanceId":{
 "shape":"String",
 "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>Maximum number of results to return in a single call.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ListUserAssociationsResponse":{
 "type":"structure",
 "members":{
 "InstanceUserSummaries":{
 "shape":"InstanceUserSummaryList",
 "documentation":"<p>Metadata that describes the list user association operation.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>Token for the next set of results.</p>"
 }
 }
},
"ProductUserSummary":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "Product",
 "Status",
 "Username"
],
 "members":{
 "Domain":{
 "shape":"String",
 "documentation":"<p>The domain name of the user.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",

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 "documentation": "<p>An object that specifies details for the identity provider.</p>"
 },
 "Product": {
 "shape": "String",
 "documentation": "<p>The name of the user-based subscription product.</p>"
 },
 "Status": {
 "shape": "String",
 "documentation": "<p>The status of a product for a user.</p>"
 },
 "StatusMessage": {
 "shape": "String",
 "documentation": "<p>The status message for a product for a user.</p>"
 },
 "SubscriptionEndDate": {
 "shape": "String",
 "documentation": "<p>The end date of a subscription.</p>"
 },
 "SubscriptionStartDate": {
 "shape": "String",
 "documentation": "<p>The start date of a subscription.</p>"
 },
 "Username": {
 "shape": "String",
 "documentation": "<p>The user name from the identity provider
of the user.</p>"
 }
},
"documentation": "<p>The summary of the user-based subscription products for a user.</p>"
},
"ProductUserSummaryList": {
 "type": "list",
 "member": { "shape": "ProductUserSummary" }
},
"RegisterIdentityProviderRequest": {
 "type": "structure",
 "required": [
 "IdentityProvider",
 "Product"
],
 "members": {
 "IdentityProvider": {
 "shape": "IdentityProvider",
 "documentation": "<p>An object that specifies details for the identity provider.</p>"
 },
 "Product": {
 "shape": "String",
 "documentation": "<p>The name of the user-based subscription product.</p>"
 }
 }
}

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 },
 "Settings":{
 "shape":"Settings",
 "documentation":"<p>The registered identity providers product related configuration settings such as the
subnets to provision VPC endpoints.</p>"
 }
 }
},
"RegisterIdentityProviderResponse":{

 "type":"structure",
 "required":["IdentityProviderSummary"],
 "members":{
 "IdentityProviderSummary":{
 "shape":"IdentityProviderSummary",
 "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
 }
 }
},
"ResourceNotFoundException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>The resource couldn't be found.</p>",
 "error":{
 "statusCode":404,
 "senderFault":true
 },
 "exception":true
},
"SecurityGroup":{
 "type":"string",
 "max":200,
 "min":5,
 "pattern":"^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
},
"ServiceQuotaExceededException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>The request failed because a service quota is exceeded.</p>",
 "exception":true
},
"Settings":{
 "type":"structure",
 "required":[

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 "SecurityGroupId",
 "Subnets"
],
 "members":{
 "SecurityGroupId":{
 "shape":"SecurityGroup",
 "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between
resources in your VPC and the VPC endpoint for activation servers.</p>"
 },
 "Subnets":{
 "shape":"SettingsSubnetsList",
 "documentation":"<p>The subnets defined for the registered identity provider.</p>"
 }
 },
 "documentation":"<p>The registered identity providers product related configuration settings such as the subnets
to provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group
should permit inbound TCP port 1688 communication from resources in the VPC.</p>"
},
"SettingsSubnetsList":{
 "type":"list",
 "member":{"shape":"Subnet"},
 "min":1
},
"StartProductSubscriptionRequest":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "Product",
 "Username"
]
},
"members":{
 "Domain":{
 "shape":"String",
 "documentation":"<p>The domain name of the user.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
 },
 "Product":{
 "shape":"String",
 "documentation":"<p>The name of the user-based subscription product.</p>"
 },
 "Username":{
 "shape":"String",
 "documentation":"<p>The user name from the identity provider of the user.</p>"
 }
}
}

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},
"StartProductSubscriptionResponse":{
 "type":"structure",
 "required":["ProductUserSummary"],
 "members":{
 "ProductUserSummary":{
 "shape":"ProductUserSummary",
 "documentation":"<p>Metadata that describes
the start product subscription operation.</p>"
 }
 }
},
"StopProductSubscriptionRequest":{
 "type":"structure",
 "required":[
 "IdentityProvider",
 "Product",
 "Username"
],
 "members":{
 "Domain":{
 "shape":"String",
 "documentation":"<p>The domain name of the user.</p>"
 },
 "IdentityProvider":{
 "shape":"IdentityProvider",
 "documentation":"<p>An object that specifies details for the identity provider.</p>"
 },
 "Product":{
 "shape":"String",
 "documentation":"<p>The name of the user-based subscription product.</p>"
 },
 "Username":{
 "shape":"String",
 "documentation":"<p>The user name from the identity provider for the user.</p>"
 }
 }
},
"StopProductSubscriptionResponse":{
 "type":"structure",
 "required":["ProductUserSummary"],
 "members":{
 "ProductUserSummary":{
 "shape":"ProductUserSummary",
 "documentation":"<p>Metadata that describes the start product subscription operation.</p>"
 }
 }
},

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"String":{"type":"string"},
"StringList":{"
 "type":"list",
 "member":{"shape":"String"}
},
"Subnet":{"
 "type":"string",
 "pattern":"subnet-[a-z0-9]{8,17}"
},
"Subnets":{"
 "type":"list",
 "member":{"shape":"Subnet"}
},
"ThrottlingException":{"
 "type":"structure",
 "members":{"
 "message":{"shape":"String"}
 },
 "documentation":"<p>The request was denied because of request throttling. Retry the request.</p>",
 "exception":true
},
"UpdateIdentityProviderSettingsRequest":{"
 "type":"structure",
 "required":[
 "IdentityProvider",
 "Product",
 "UpdateSettings"
],
 "members":{"
 "IdentityProvider":{"shape":"IdentityProvider"},
 "Product":{"
 "shape":"String",

 "documentation":"<p>The name of the user-based subscription product.</p>"
 },
 "UpdateSettings":{"
 "shape":"UpdateSettings",
 "documentation":"<p>Updates the registered identity providers product related configuration settings. You can
update any combination of settings in a single operation such as the:</p> <p>Subnets which you want to
add to provision VPC endpoints.</p> <p>Subnets which you want to remove the VPC endpoints
from.</p> <p>Security group ID which permits traffic to the VPC endpoints.</p> "
 }
 }
},
"UpdateIdentityProviderSettingsResponse":{"
 "type":"structure",
 "required":["IdentityProviderSummary"],
 "members":{"

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 "IdentityProviderSummary":{"shape":"IdentityProviderSummary"}
 }
},
"UpdateSettings":{
 "type":"structure",
 "required":[
 "AddSubnets",
 "RemoveSubnets"
],
 "members":{
 "AddSubnets":{
 "shape":"Subnets",
 "documentation":"<p>The ID of one or more subnets in which License Manager will create a VPC endpoint
for products that require connectivity to activation servers.</p>"
 },
 "RemoveSubnets":{
 "shape":"Subnets",
 "documentation":"<p>The ID of one or more subnets to remove.</p>"
 },
 "SecurityGroupId":{
 "shape":"SecurityGroup",
 "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between
resources in your VPC and the VPC endpoints for activation servers.</p>"
 }
 },
 "documentation":"<p>Updates the registered identity providers product related configuration settings such as the
subnets to provision VPC endpoints.</p>"
},
"ValidationException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>A parameter is not valid.</p>",
 "exception":true
}
},
"documentation":"<p>With License Manager, you can create user-based subscriptions to utilize licensed software
with a per user subscription fee on Amazon EC2 instances.</p>"
}
{
 "testCases": [
 {
 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 }
 }
]
}

```

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 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
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AWS Signature Version 4 Test Suite

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 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 },
 "type": "tree"
},
{

```

```

"conditions": [],
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
]
 }
]
 }
]

```

```

 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",

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 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
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]
 }
]
},
],
"rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
]
 }
]

```

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 },
 true
]
}
],
"rules": [
 {
 "conditions": [],
 "rules": [
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 "conditions": [],
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 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
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"type": "tree"
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 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
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]
 }
]
}
],

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"rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
 "rules": [
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 "conditions": [],
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],

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```

 "type": "tree"
 },
 {
 "conditions": [],
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {}},
 "headers": {}
 },
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 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
],
"type": "tree"
}
]
}
{
 "pagination": {
 "ListAssociationsForLicenseConfiguration": {
 "input_token": "NextToken",
 "limit_key": "MaxResults",
 "output_token": "NextToken",
 "result_key": "LicenseConfigurationAssociations"
 },
 "ListLicenseConfigurations": {
 "input_token": "NextToken",
 "limit_key": "MaxResults",
 "output_token": "NextToken",
 "result_key": "LicenseConfigurations"
 }
 }
}

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},
"ListLicenseSpecificationsForResource": {
 "input_token": "NextToken",
 "limit_key": "MaxResults",
 "output_token": "NextToken",
 "result_key": "LicenseSpecifications"
},
"ListResourceInventory": {
 "input_token": "NextToken",
 "limit_key": "MaxResults",
 "output_token": "NextToken",
 "result_key": "ResourceInventoryList"
},
"ListUsageForLicenseConfiguration": {
 "input_token": "NextToken",
 "limit_key": "MaxResults",
 "output_token": "NextToken",
 "result_key": "LicenseConfigurationUsageList"
}
}
}
{
 "pagination": {
 "ListLinuxSubscriptionInstances": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "Instances"
 },
 "ListLinuxSubscriptions": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "Subscriptions"
 },
 "ListRegisteredSubscriptionProviders": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "RegisteredSubscriptionProviders"
 }
 }
}
{
 "version": "2.0",
 "metadata": {
 "apiVersion": "2018-05-10",
 "endpointPrefix": "license-manager-linux-subscriptions",

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"jsonVersion":"1.1",
"protocol":"rest-json",
"protocols":["rest-json"],
"serviceFullName":"AWS License Manager Linux Subscriptions",
"serviceId":"License Manager Linux Subscriptions",
"signatureVersion":"v4",
"signingName":"license-manager-linux-subscriptions",
"uid":"license-manager-linux-subscriptions-2018-05-10",
"auth":["aws.auth#sigv4"]
},
"operations":{
 "DeregisterSubscriptionProvider":{
 "name":"DeregisterSubscriptionProvider",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/DeregisterSubscriptionProvider",
 "responseCode":200
 },
 "input":{"shape":"DeregisterSubscriptionProviderRequest"},
 "output":{"shape":"DeregisterSubscriptionProviderResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL)
subscriptions registered to your account.</p>",
 "idempotent":true
 },
 "GetRegisteredSubscriptionProvider":{
 "name":"GetRegisteredSubscriptionProvider",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/GetRegisteredSubscriptionProvider",
 "responseCode":200
 },
 "input":{"shape":"GetRegisteredSubscriptionProviderRequest"},
 "output":{"shape":"GetRegisteredSubscriptionProviderResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your
account.</p>",
 "idempotent":true
 }
}

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 },
 "getServiceSettings":{
 "name":"GetServiceSettings",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/GetServiceSettings",
 "responseCode":200
 },
 "input":{"shape":"GetServiceSettingsRequest"},
 "output":{"shape":"GetServiceSettingsResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>Lists the Linux subscriptions service settings for your account.</p>",
 "idempotent":true
 },
 "ListLinuxSubscriptionInstances":{
 "name":"ListLinuxSubscriptionInstances",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/ListLinuxSubscriptionInstances",
 "responseCode":200
 },
 "input":{"shape":"ListLinuxSubscriptionInstancesRequest"},
 "output":{"shape":"ListLinuxSubscriptionInstancesResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux
subscriptions.</p>",
 "idempotent":true
 },
 "ListLinuxSubscriptions":{
 "name":"ListLinuxSubscriptions",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/ListLinuxSubscriptions",
 "responseCode":200
 },
 "input":{"shape":"ListLinuxSubscriptionsRequest"},
 "output":{"shape":"ListLinuxSubscriptionsResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ThrottlingException"},

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 {"shape":"ValidationException"}
],
 "documentation":"<p>Lists the Linux subscriptions that have been discovered. If you have linked your organization, the returned results will include data aggregated across your accounts in Organizations.</p>",
 "idempotent":true
},
"ListRegisteredSubscriptionProviders":{
 "name":"ListRegisteredSubscriptionProviders",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/ListRegisteredSubscriptionProviders",
 "responseCode":200
 },
 "input":{"shape":"ListRegisteredSubscriptionProvidersRequest"},
 "output":{"shape":"ListRegisteredSubscriptionProvidersResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>List Bring Your Own License (BYOL) subscription registration resources for your account.</p>",
 "idempotent":true
},
"ListTagsForResource":{
 "name":"ListTagsForResource",
 "http":{
 "method":"GET",
 "requestUri":"/tags/{resourceArn}",
 "responseCode":200
 },
 "input":{"shape":"ListTagsForResourceRequest"},
 "output":{"shape":"ListTagsForResourceResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>List the metadata tags that are assigned to the specified Amazon Web Services resource.</p>"
},
"RegisterSubscriptionProvider":{
 "name":"RegisterSubscriptionProvider",
 "http":{
 "method":"POST",
 "requestUri":"/subscription/RegisterSubscriptionProvider",
 "responseCode":200
 },

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 },
 "input":{"shape":"RegisterSubscriptionProviderRequest"},
 "output":{"shape":"RegisterSubscriptionProviderResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
 "idempotent":true
 },
 "TagResource":{"
 "name":"TagResource",
 "http":{"
 "method":"PUT",
 "requestUri":"/tags/{resourceArn}",
 "responseCode":200
 },
 "input":{"shape":"TagResourceRequest"},
 "output":{"shape":"TagResourceResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"},
 {"shape":"ValidationException"}
],
 "documentation":"<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
 "idempotent":true
 },
 "UntagResource":{"
 "name":"UntagResource",
 "http":{"
 "method":"DELETE",
 "requestUri":"/tags/{resourceArn}",
 "responseCode":200
 },
 "input":{"shape":"UntagResourceRequest"},
 "output":{"shape":"UntagResourceResponse"},
 "errors":[
 {"shape":"InternalServerError"},
 {"shape":"ResourceNotFoundException"}
],
 "documentation":"<p>Remove one or more metadata tag from the specified Amazon Web Services resource.</p>",
 "idempotent":true
 },
 "UpdateServiceSettings":{"
 "name":"UpdateServiceSettings",

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"http":{
 "method":"POST",
 "requestUri":"/subscription/UpdateServiceSettings",
 "responseCode":200
},
"input":{"shape":"UpdateServiceSettingsRequest"},
"output":{"shape":"UpdateServiceSettingsResponse"},
"errors":[
 {"shape":"InternalServerError"},
 {"shape":"ThrottlingException"},
 {"shape":"ValidationException"}
],
"documentation":"<p>Updates the service settings for Linux subscriptions.</p>",
"idempotent":true
}
},
"shapes":{
 "Boolean":{
 "type":"boolean",
 "box":true
 },
 "BoxInteger":{
 "type":"integer",
 "box":true
 },
 "BoxLong":{
 "type":"long",
 "box":true
 },
 "DeregisterSubscriptionProviderRequest":{
 "type":"structure",
 "required":["SubscriptionProviderArn"],
 "members":{
 "SubscriptionProviderArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the subscription provider resource to
deregister.</p>"
 }
 }
 },
 "DeregisterSubscriptionProviderResponse":{
 "type":"structure",
 "members":{
 }
 },
 "Filter":{
 "type":"structure",
 "members":{

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 "Name":{
 "shape":"String",
 "documentation":"<p>The type of name to filter by.</p>"
 },
 "Operator":{
 "shape":"Operator",
 "documentation":"<p>An operator for filtering results.</p>"
 },
 "Values":{
 "shape":"StringList",
 "documentation":"<p>One or more values for the name to filter by.</p>"
 }
 },
 "documentation":"<p>A filter object that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria.</p>"
},
"FilterList":{
 "type":"list",
 "member":{"shape":"Filter"}
},
"GetRegisteredSubscriptionProviderRequest":{
 "type":"structure",
 "required":["SubscriptionProviderArn"],
 "members":{
 "SubscriptionProviderArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>"
 }
 }
},
"GetRegisteredSubscriptionProviderResponse":{
 "type":"structure",
 "members":{
 "LastSuccessfulDataRetrievalTime":{
 "shape":"String",
 "documentation":"<p>The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider.</p>"
 },
 "SecretArn":{
 "shape":"SecretArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL registration resource specified in the request.</p>"
 }
 }
},
"SubscriptionProviderArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) for the BYOL registration resource specified in

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the request.</p>"
 },
 "SubscriptionProviderSource":{
 "shape":"SubscriptionProviderSource",
 "documentation":"<p>The subscription provider for the BYOL registration resource specified in the
request.</p>"
 },
 "SubscriptionProviderStatus":{
 "shape":"SubscriptionProviderStatus",
 "documentation":"<p>The status of the Linux subscription provider access token from the last successful
subscription data request.</p>"
 },
 "SubscriptionProviderStatusMessage":{
 "shape":"String",
 "documentation":"<p>The detailed message from your subscription provider token status.</p>"
 }
}
},
"GetServiceSettingsRequest":{
 "type":"structure",
 "members":{
 }
},
"GetServiceSettingsResponse":{
 "type":"structure",
 "members":{
 "HomeRegions":{
 "shape":"StringList",
 "documentation":"<p>The Region in which License Manager displays the aggregated data for Linux
subscriptions.</p>"
 },
 "LinuxSubscriptionsDiscovery":{
 "shape":"LinuxSubscriptionsDiscovery",
 "documentation":"<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 },
 "LinuxSubscriptionsDiscoverySettings":{
 "shape":"LinuxSubscriptionsDiscoverySettings",
 "documentation":"<p>Lists the settings defined for Linux subscriptions discovery. The settings include if
Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
 },
 "Status":{
 "shape":"Status",
 "documentation":"<p>Indicates the status of Linux subscriptions settings being applied.</p>"
 },
 "StatusMessage":{
 "shape":"StringMap",
 "documentation":"<p>A

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message which details the Linux subscriptions service settings current status.</p>"

```
 }
 }
},
"Instance":{
 "type":"structure",
 "members":{
 "AccountID":{
 "shape":"String",
 "documentation":"<p>The account ID which owns the instance.</p>"
 },
 "AmiId":{
 "shape":"String",
 "documentation":"<p>The AMI ID used to launch the instance.</p>"
 },
 "DualSubscription":{
 "shape":"String",
 "documentation":"<p>Indicates that you have two different license subscriptions for the same software on your
instance.</p>"
 },
 "InstanceID":{
 "shape":"String",
 "documentation":"<p>The instance ID of the resource.</p>"
 },
 "InstanceType":{
 "shape":"String",
 "documentation":"<p>The instance type of the resource.</p>"
 },
 "LastUpdatedTime":{
 "shape":"String",
 "documentation":"<p>The
time in which the last discovery updated the instance details.</p>"
 },
 "OsVersion":{
 "shape":"String",
 "documentation":"<p>The operating system software version that runs on your instance.</p>"
 },
 "ProductCode":{
 "shape":"ProductCodeList",
 "documentation":"<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage operation values in the <i>License Manager User Guide</i> .</p>"
 },
 "Region":{
 "shape":"String",
 "documentation":"<p>The Region the instance is running in.</p>"
 },
 "RegisteredWithSubscriptionProvider":{
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 "shape": "String",
 "documentation": "<p>Indicates that your instance uses a BYOL license subscription from a third-party Linux
subscription provider that you've registered with License Manager.</p>"
 },
 "Status": {
 "shape": "String",
 "documentation": "<p>The status of the instance.</p>"
 },
 "SubscriptionName": {
 "shape": "String",
 "documentation": "<p>The name of the license subscription that the instance uses.</p>"
 },
 "SubscriptionProviderCreateTime": {
 "shape": "String",
 "documentation": "<p>The timestamp when you registered the third-party Linux subscription provider for the
subscription that the instance uses.</p>"
 },
 "SubscriptionProviderUpdateTime": {
 "shape": "String",
 "documentation": "<p>The timestamp from the last time that the instance synced with the registered third-party
Linux subscription provider.</p>"
 },
 "UsageOperation": {
 "shape": "String",
 "documentation": "<p>The usage operation of the instance. For more information, see For more information,
see <a href='\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage
operation values in the <i>License Manager User Guide</i>.</p>"
 }
},
"documentation": "<p>Details discovered information about a running instance using Linux subscriptions.</p>"
},
"InstanceList": {
 "type": "list",
 "member": { "shape": "Instance" }
},
"InternalServerError": {
 "type": "structure",
 "members": {
 "message": { "shape": "String" }
 },
 "documentation": "<p>An exception occurred with the service.</p>",
 "exception": true,
 "fault": true
},
"LinuxSubscriptionsDiscovery": {
 "type": "string",
 "enum": [

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 "Enabled",
 "Disabled"
]
},
"LinuxSubscriptionsDiscoverySettings":{
 "type":"structure",
 "required":[
 "OrganizationIntegration",
 "SourceRegions"
],
 "members":{
 "OrganizationIntegration":{
 "shape":"OrganizationIntegration",
 "documentation":"<p>Details
if you have enabled resource discovery across your accounts in Organizations.</p>"
 },
 "SourceRegions":{
 "shape":"StringList",
 "documentation":"<p>The Regions in which to discover data for Linux subscriptions.</p>"
 }
 },
 "documentation":"<p>Lists the settings defined for discovering Linux subscriptions.</p>"
},
"ListLinuxSubscriptionInstancesRequest":{
 "type":"structure",
 "members":{
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>An array of structures that you can use to filter the results by your specified criteria. For
example, you can specify <code>Region</code> in the <code>Name</code>, with the <code>contains</code>
operator to list all subscriptions that match a partial string in the <code>Value</code>, such as <code>us-
west</code>.</p> <p>For each filter, you can specify one of the following values for the <code>Name</code> key
to streamline results:</p>
 <p> <code>AccountID</code> </p> <p> <code>AmiID</code> </p> <p>
<code>DualSubscription</code> </p> <p> <code>InstanceID</code> </p> <p>
<code>InstanceType</code> </p> <p> <code>ProductCode</code> </p> <p>
<code>Region</code> </p> <p> <code>Status</code> </p> <p>
<code>UsageOperation</code> </p> <p>For each filter, you can use one of the following
<code>Operator</code> values to define the behavior of the filter:</p> <p> <code>contains</code> </p>
 <p> <code>equals</code> </p> <p> <code>Notequal</code> </p> "
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>The maximum items to return in a request.</p>"
 },
 "NextToken":{
 "shape":"ListLinuxSubscriptionInstancesRequestNextTokenString",
 "documentation":"<p>A token to specify where to start paginating.

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This is the nextToken from a previously truncated response.</p>"
 }
},
"documentation":"<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in
request increases.</p>"
},
"ListLinuxSubscriptionInstancesRequestNextTokenString":{
 "type":"string",
 "max":16384,
 "min":1
},
"ListLinuxSubscriptionInstancesResponse":{
 "type":"structure",
 "members":{
 "Instances":{
 "shape":"InstanceList",
 "documentation":"<p>An array that contains instance objects.</p>"
 },
 "NextToken":{
 "shape":"String",
 "documentation":"<p>The next token used for paginated responses. When this field isn't empty, there are
additional elements that the service hasn't included in this request. Use this token with the next request to retrieve
additional objects.</p>"
 }
 }
},
"ListLinuxSubscriptionsRequest":{
 "type":"structure",
 "members":{
 "Filters":{
 "shape":"FilterList",
 "documentation":"<p>An array of structures that you can use to filter the results to those that match one or
more sets of key-value pairs that you specify. For example, you can filter by the name of
<code>Subscription</code> with an optional operator to see subscriptions that match, partially match, or don't
match a certain subscription's name.</p> <p>The valid names for this filter are:</p> <p>
<code>Subscription</code> </p> <p>The valid Operators for this filter are:</p> <p>
<code>contains</code> </p> <p> <code>equals</code> </p> <p> <code>Notequal</code>
</p> "
 },
 "MaxResults":{
 "shape":"BoxInteger",
 "documentation":"<p>The maximum items to return in a request.</p>"
 },
 "NextToken":{
 "shape":"ListLinuxSubscriptionsRequestNextTokenString",
 "documentation":"<p>A token to specify where
to start paginating. This is the nextToken from a previously truncated response.</p>"
 }
 }
}

```

```

 },
 "documentation": "<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in
request increases.</p>"
 },
 "ListLinuxSubscriptionsRequestNextTokenString": {
 "type": "string",
 "max": 16384,
 "min": 1
 },
 "ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "NextToken": {
 "shape": "String",
 "documentation": "<p>The next token used for paginated responses. When this field isn't empty, there are
additional elements that the service hasn't included in this request. Use this token with the next request to retrieve
additional objects.</p>"
 },
 "Subscriptions": {
 "shape": "SubscriptionList",
 "documentation": "<p>An array that contains subscription objects.</p>"
 }
 }
 },
 "ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "shape": "ListRegisteredSubscriptionProvidersRequestMaxResultsInteger",
 "documentation": "<p>The maximum items to return in a request.</p>"
 },
 "NextToken": {
 "shape": "String",
 "documentation": "<p>A token to specify where to start paginating. This is the nextToken from a previously
truncated response.</p>"
 },
 "SubscriptionProviderSources": {
 "shape": "SubscriptionProviderSourceList",
 "documentation": "<p>To filter your results, specify which subscription providers to return in the list.</p>"
 }
 }
 },
 "ListRegisteredSubscriptionProvidersRequestMaxResultsInteger": {
 "type": "integer",
 "box": true,
 "max": 100,
 "min": 1
 },

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"ListRegisteredSubscriptionProvidersResponse":{
 "type":"structure",
 "members":{
 "NextToken":{
 "shape":"String",
 "documentation":"<p>The next token
used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't
included in this request. Use this token with the next request to retrieve additional objects.</p>"
 },
 "RegisteredSubscriptionProviders":{
 "shape":"RegisteredSubscriptionProviderList",
 "documentation":"<p>The list of BYOL registration resources that fit the criteria you specified in the
request.</p>"
 }
 }
},
"ListTagsForResourceRequest":{
 "type":"structure",
 "required":["resourceArn"],
 "members":{
 "resourceArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the resource for which to list metadata
tags.</p>",
 "location":"uri",
 "locationName":"resourceArn"
 }
 }
},
"ListTagsForResourceResponse":{
 "type":"structure",
 "members":{
 "tags":{
 "shape":"Tags",

 "documentation":"<p>The metadata tags for the requested resource.</p>"
 }
 }
},
"Operator":{
 "type":"string",
 "enum":[
 "Equal",
 "NotEqual",
 "Contains"
],
 "max":20,
 "min":1

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},
"OrganizationIntegration":{
 "type":"string",
 "enum":[
 "Enabled",
 "Disabled"
]
},
"ProductCodeList":{
 "type":"list",
 "member":{"shape":"String"}
},
"RegisterSubscriptionProviderRequest":{
 "type":"structure",
 "required":[
 "SecretArn",
 "SubscriptionProviderSource"
],
 "members":{
 "SecretArn":{
 "shape":"SecretArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token.</p>"
 },
 "SubscriptionProviderSource":{
 "shape":"SubscriptionProviderSource",
 "documentation":"<p>The supported Linux subscription provider to register.</p>"
 },
 "Tags":{
 "shape":"Tags",
 "documentation":"<p>The metadata tags to assign to your registered Linux subscription provider resource.</p>"
 }
 }
},
"RegisterSubscriptionProviderResponse":{
 "type":"structure",
 "members":{
 "SubscriptionProviderArn":{
 "shape":"String",
 "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.</p>"
 },
 "SubscriptionProviderSource":{
 "shape":"SubscriptionProviderSource",
 "documentation":"<p>The Linux subscription provider that you registered.</p>"
 }
 }
},

```

```

 "SubscriptionProviderStatus":{
 "shape":"SubscriptionProviderStatus",
 "documentation":"<p>Indicates the status of the registration action for
the Linux subscription provider that you requested.</p>"
 }
 },
 "RegisteredSubscriptionProvider":{
 "type":"structure",
 "members":{
 "LastSuccessfulDataRetrievalTime":{
 "shape":"String",
 "documentation":"<p>The timestamp from the last time that License Manager accessed third-party
subscription data for your account from your registered Linux subscription provider.</p>"
 },
 "SecretArn":{
 "shape":"SecretArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your
registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token.</p>"
 },
 "SubscriptionProviderArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that
you registered.</p>"
 },
 "SubscriptionProviderSource":{
 "shape":"SubscriptionProviderSource",
 "documentation":"<p>A supported third-party Linux subscription provider. License Manager currently
supports Red Hat subscriptions.</p>"
 },
 "SubscriptionProviderStatus":{
 "shape":"SubscriptionProviderStatus",
 "documentation":"<p>Indicates the status of your registered Linux subscription provider access token from the
last time License Manager retrieved subscription data. For RHEL account subscriptions, this is the status of the
offline token.</p>"
 },
 "SubscriptionProviderStatusMessage":{
 "shape":"String",
 "documentation":"<p>A detailed message that's associated with your BYOL subscription provider token
status.</p>"
 }
 },
 "documentation":"<p>A third-party provider for operating system (OS) platform software and license
subscriptions, such as Red Hat. When you register a third-party Linux subscription provider, License Manager can
get subscription
data from the registered provider.</p>"
 },

```

```

"RegisteredSubscriptionProviderList":{
 "type":"list",
 "member":{"shape":"RegisteredSubscriptionProvider"}
},
"ResourceNotFoundException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>Unable to find the requested Amazon Web Services resource.</p>",
 "exception":true
},
"SecretArn":{
 "type":"string",
 "pattern":"^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"
},
"Status":{
 "type":"string",
 "enum":[
 "InProgress",
 "Completed",
 "Successful",
 "Failed"
]
},
"String":{"type":"string"},
"StringList":{
 "type":"list",
 "member":{"shape":"StringListMemberString"},
 "max":100,
 "min":1
},
"StringListMemberString":{
 "type":"string",
 "max":100,
 "min":1
},
"StringMap":{
 "type":"map",
 "key":{"shape":"String"},
 "value":{"shape":"String"}
},
"Subscription":{
 "type":"structure",
 "members":{
 "InstanceCount":{
 "shape":"BoxLong",
 "documentation":"<p>The total amount of running instances using this subscription.</p>"
 }
 }
}

```

```

 },
 "Name":{
 "shape":"String",
 "documentation":"<p>The name of the subscription.</p>"
 },
 "Type":{
 "shape":"String",
 "documentation":"<p>The type of subscription. The type can be subscription-included with Amazon EC2,
Bring Your Own Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain
subscriptions may use licensing from the Amazon Web Services Marketplace as well as OS licensing from Amazon
EC2 or BYOS.</p>"
 }
 },
 "documentation":"<p>An object which details a discovered Linux subscription.</p>"
},
"SubscriptionList":{
 "type":"list",
 "member":{"shape":"Subscription"}
},
"SubscriptionProviderArn":{
 "type":"string",
 "pattern":"^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-
z0-9-\\.]{1,510}$"
},
"SubscriptionProviderSource":{
 "type":"string",
 "enum":["RedHat"]
},
"SubscriptionProviderSourceList":{
 "type":"list",
 "member":{"shape":"SubscriptionProviderSource"}
},
"SubscriptionProviderStatus":{
 "type":"string",
 "enum":[
 "ACTIVE",
 "INVALID",
 "PENDING"
]
},
"TagKeyList":{
 "type":"list",
 "member":{"shape":"String"},
 "max":50,
 "min":0,
 "sensitive":true
},
"TagResourceRequest":{

```

```

 "type":"structure",
 "required":[
 "resourceArn",
 "tags"
],
 "members":{
 "resourceArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon
Web Services resource to which to add the specified metadata tags.</p>",
 "location":"uri",
 "locationName":"resourceArn"
 },
 "tags":{
 "shape":"Tags",
 "documentation":"<p>The metadata tags to assign to the Amazon Web Services resource. Tags are formatted
as key value pairs.</p>"
 }
 }
 },
 "TagResourceResponse":{
 "type":"structure",
 "members":{
 }
 },
 "Tags":{
 "type":"map",
 "key":{"shape":"String"},
 "value":{"shape":"String"},
 "max":50,
 "min":0,
 "sensitive":true
 },
 "ThrottlingException":{
 "type":"structure",
 "members":{
 "message":{"shape":"String"}
 },
 "documentation":"<p>The request was denied due to request throttling.</p>",
 "exception":true
 },
 "UntagResourceRequest":{
 "type":"structure",
 "required":[
 "resourceArn",
 "tagKeys"
],
 "members":{

```

```

 "resourceArn":{
 "shape":"SubscriptionProviderArn",
 "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove
the metadata tags from.</p>",
 "location":"uri",
 "locationName":"resourceArn"
 },
 "tagKeys":{
 "shape":"TagKeyList",
 "documentation":"<p>A list of metadata tag keys to remove from the requested resource.</p>",
 "location":"querystring",
 "locationName":"tagKeys"
 }
 }
},
"UntagResourceResponse":{
 "type":"structure",
 "members":{
 }
},
"UpdateServiceSettingsRequest":{
 "type":"structure",
 "required":[
 "LinuxSubscriptionsDiscovery",
 "LinuxSubscriptionsDiscoverySettings"
],
 "members":{
 "AllowUpdate":{
 "shape":"Boolean",
 "documentation":"<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you
allow updates, you can aggregate
Linux subscription data in more than one home Region.</p>"
 },
 "LinuxSubscriptionsDiscovery":{
 "shape":"LinuxSubscriptionsDiscovery",
 "documentation":"<p>Describes if the discovery of Linux subscriptions is enabled.</p>"
 },
 "LinuxSubscriptionsDiscoverySettings":{
 "shape":"LinuxSubscriptionsDiscoverySettings",
 "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if
Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
 }
 }
},
"UpdateServiceSettingsResponse":{
 "type":"structure",
 "members":{
 "HomeRegions":{

```

```

 "shape": "StringList",
 "documentation": "<p>The Region in which License Manager displays the aggregated data for Linux
subscriptions.</p>"
 },
 "LinuxSubscriptionsDiscovery": {
 "shape": "LinuxSubscriptionsDiscovery",
 "documentation": "<p>Lists
if discovery has been enabled for Linux subscriptions.</p>"
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "shape": "LinuxSubscriptionsDiscoverySettings",
 "documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if
Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
 },
 "Status": {
 "shape": "Status",
 "documentation": "<p>Indicates the status of Linux subscriptions settings being applied.</p>"
 },
 "StatusMessage": {
 "shape": "StringMap",
 "documentation": "<p>A message which details the Linux subscriptions service settings current status.</p>"
 }
}
},
"ValidationException": {
 "type": "structure",
 "members": {
 "message": { "shape": "String" }
 },
 "documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "exception": true
}
},
"documentation": "<p>With License Manager, you can discover and track your commercial Linux subscriptions on
running Amazon EC2 instances.</p>"
}
{
 "ResponseMetadata": {
 "RequestId": "9a285199-c8d6-47c2-bdb2-314cb47d599d"
 }
}
{
 "version": "1.0",
 "examples": {
 }
}
}

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{
 "pagination": {
 "ListIdentityProviders": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "IdentityProviderSummaries"
 },
 "ListInstances": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "InstanceSummaries"
 },
 "ListProductSubscriptions": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "ProductUserSummaries"
 },
 "ListUserAssociations": {
 "input_token": "NextToken",
 "output_token": "NextToken",
 "limit_key": "MaxResults",
 "result_key": "InstanceUserSummaries"
 }
 }
}

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{
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {

```

```

 "ref": "Endpoint"
 }
]
 }
],
"type": "tree",
"rules": [
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 "conditions": [
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 "fn": "booleanEquals",
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 },
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endpoint are not supported",
 "type": "error"
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 "ref": "UseDualStack"
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 "type": "error"
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 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
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```

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]
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 "ref": "Region"
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 },
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 },
 {
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 "argv": [
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]
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]
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}

```

```

 },
 true
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],
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 "fn": "getAttr",
 "argv": [
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 "argv": [
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 }
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 "conditions": [],
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```

"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
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 "headers": {}
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 "type": "endpoint"
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{
 "conditions": [],
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],
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],
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```

 "supportsDualStack"
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 "properties": {},
 "headers": {}
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],
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
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{
 "ResponseMetadata": {
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 "testCases": [
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 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
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 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
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"params": {
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 "UseDualStack": false
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 "UseFIPS": true,
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 }
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 "UseDualStack": false
}
},
{
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 "error": "DualStack is enabled but this partition does not support DualStack"
}
}

```

```

 },
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 }
 },
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 }
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 "UseDualStack": false
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 "UseDualStack": false,
 "Endpoint": "https://example.com"
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 }
}
],
"version": "1.0"
}

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## 1.162 boto3 1.35.8

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boto3

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2012-2014 Daniel J. Bernstein

2004 EdelKey Project.

2011 Google Inc.

2018-2019 IBM Corp.

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2012-2016 Jean-Philippe Aumasson

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