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The product also uses the Linux operating system, Centos Minimal 7.3. Information on this distribution is available at http://vault.centos.org/7.3.1611/os/Source/SPackages/. The full source code for this distribution, including copyright and license information, is available on request from opensource-requests@external.cisco.com. Mention that you would like the Linux distribution source archive, and quote the following reference number for this distribution: 146932041-154278141.

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This package was debianized by Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu> on
Tue, 17 Apr 2012 12:19:47 -0400.

It was downloaded from https://github.com/ansible/ansible.git

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1.2 ansible 2.2.1.0 :1.el7

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.4 apr-util 1.5.2 :6.el7

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's
free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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.)

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify
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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
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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
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specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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reproducing the executable from it. However, as a special exception,
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
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Library will not necessarily be able to recompile the application
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1.17 cairomm 1.10.0 :8.el7

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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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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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.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers 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.

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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.

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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.

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Balzs Dn <balazs.dan@gmail.com>
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David Anderson <danderson@google.com>
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<one line to give the program's name and a brief idea of what it does.>  
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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The reason we have a separate public license for some libraries is that
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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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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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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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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.

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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.

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

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

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1.35 cyrus-sasl 2.1.26 :20.el7_2

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1.36 deltarpm 3.6 :3.el7

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1.37 device-mapper-persistent-data 0.6.3
:1.el7

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Gocheck - A rich testing framework for Go

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David Williamson <david.williamson@docker.com> (github: davidwilliamson)
Aaron Lehmann <aaron.lehmann@docker.com> (github: aaronlehmann)
Lewis Marshall <lewis@flynno.io> (github: lmars)
Jonathan Rudenberg <jonathan@flynno.io> (github: titanous)

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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Extensions for Protocol Buffers to create more go like structures.

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http://github.com/gogo/protobuf/gogoproto

Go support for Protocol Buffers - Google's data interchange format

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FUNCTIONS

func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header and a list of alternatives.

func ParseAccept(header string) (accept []Accept)
Parse an Accept Header string returning a sorted list of clauses

TYPES

type Accept struct {
  Type, SubType string
  Q     float32
  Params map[string]string
}
Structure to represent a clause in an HTTP Accept Header

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.hg

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Extensions for Protocol Buffers to create more go like structures.

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http://github.com/gogo/protobuf/gogoproto

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

This package and the code it generates requires at least Go 1.4.

This software implements Go bindings for protocol buffers. For information about protocol buffers themselves, see https://developers.google.com/protocol-buffers/

### Installation ###

To use this software, you must:
- Install the standard C++ implementation of protocol buffers from https://developers.google.com/protocol-buffers/
- Of course, install the Go compiler and tools from https://golang.org/
See https://golang.org/doc/install for details or, if you are using gccgo, follow the instructions at https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.
  The simplest way is to run
go get -u github.com/golang/protobuf/[proto.protoc-gen-go]
The compiler plugin, protoc-gen-go, will be installed in $GOBIN, defaulting to $GOPATH/bin. It must be in your $PATH for the protocol compiler, protoc, to find it.

This software has two parts: a 'protocol compiler plugin' that generates Go source files that, once compiled, can access and manage protocol buffers; and a library that implements run-time support for
encoding (marshaling), decoding (unmarshaling), and accessing protocol buffers.

There is support for gRPC in Go using protocol buffers. See the note at the bottom of this file for details.

There are no insertion points in the plugin.

GoGoProtobuf provides extensions for protocol buffers and GoProtobuf. See http://github.com/gogo/protobuf/gogoproto/doc.go

## Using protocol buffers with Go ##

Once the software is installed, there are two steps to using it. First you must compile the protocol buffer definitions and then import them, with the support library, into your program.

To compile the protocol buffer definition, run protoc with the --gogo_out parameter set to the directory you want to output the Go code to.

protoc --gogo_out=. *.proto

The generated files will be suffixed .pb.go. See the Test code below for an example using such a file.

The package comment for the proto library contains text describing the interface provided in Go for protocol buffers. Here is an edited version.

If you are using any gogo.proto extensions you will need to specify the proto_path to include the descriptor.proto and gogo.proto. gogo.proto is located in github.com/gogo/protobuf/gogoproto. This should be fine, since your import is the same.

descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/

Its import is google/protobuf/descriptor.proto so it might need some help.

protoc --gogo_out=. -I=.:.github.com/gogo/protobuf/protobuf *.proto

The proto package converts data structures to and from the wire format of protocol buffers. It works in concert with the Go source code generated for .proto files by the protocol compiler.

A summary of the properties of the protocol buffer interface for a protocol buffer variable v:
- Names are turned from camel_case to CamelCase for export.
- There are no methods on v to set fields; just treat them as structure fields.
- There are getters that return a field's value if set, and return the field's default value if unset.
  The getters work even if the receiver is a nil message.
- The zero value for a struct is its correct initialization state.
All desired fields must be set before marshaling.
- A Reset() method will restore a protobuf struct to its zero state.
- Non-repeated fields are pointers to the values; nil means unset.
That is, optional or required field int32 f becomes F *int32.
- Repeated fields are slices.
- Helper functions are available to aid the setting of fields.
Helpers for getting values are superseded by the
GetFoo methods and their use is deprecated.
msg.Foo = proto.String("hello") // set field
- Constants are defined to hold the default values of all fields that
  have them. They have the form Default_StructName_FieldName.
Because the getter methods handle defaulted values,
direct use of these constants should be rare.
- Enums are given type names and maps from names to values.
Enum values are prefixed with the enum's type name. Enum types have
a String method, and a Enum method to assist in message construction.
- Nested groups and enums have type names prefixed with the name of
  the surrounding message type.
- Extensions are given descriptor names that start with E_,
  followed by an underscore-delimited list of the nested messages
  that contain it (if any) followed by the CamelCased name of the
  extension field itself. HasExtension, ClearExtension, GetExtension
  and SetExtension are functions for manipulating extensions.
- Oneof field sets are given a single field in their message,
  with distinguished wrapper types for each possible field value.
- Marshal and Unmarshal are functions to encode and decode the wire format.

Consider file test.proto, containing

package example;

enum FOO { X = 17; };

message Test {
  required string label = 1;
  optional int32 type = 2 [default=77];
  repeated int64 reps = 3;
  optional group OptionalGroup = 4 {
    required string RequiredField = 5;
  }
}
To create and play with a Test object from the example package,

```go
package main

import (
    "log"
    "github.com/gogo/protobuf/proto"
    "path/to/example"
)

func main() {
    test := &example.Test {
        Label: proto.String("hello"),
        Type:  proto.Int32(17),
        Optionalgroup: &example.Test_OptionalGroup {
            RequiredField: proto.String("good bye"),
        },
    }

    data, err := proto.Marshal(test)
    if err != nil {
        log.Fatal("marshaling error: ", err)
    }

    newTest := &example.Test{}
    err = proto.Unmarshal(data, newTest)
    if err != nil {
        log.Fatal("unmarshaling error: ", err)
    }

    // Now test and newTest contain the same data.
    if test.GetLabel() != newTest.GetLabel() {
        log.Fatalf("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
    }

    // etc.
}
```

gRPC Support
==============

If a proto file specifies RPC services, protoc-gen-go can be instructed to generate code compatible with gRPC (http://www.grpc.io/). To do this, pass the `plugins` parameter to protoc-gen-go; the usual way is to insert it into the `--go_out` argument to protoc:

```
protoc --go_out=plugins=grpc:. *.proto
```

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https://github.com/golang/protobuf

This package and the code it generates requires at least Go 1.4.

This software implements Go bindings for protocol buffers. For information about protocol buffers themselves, see 
https://developers.google.com/protocol-buffers/

## Installation ##
To use this software, you must:
- Install the standard C++ implementation of protocol buffers from https://developers.google.com/protocol-buffers/
- Of course, install the Go compiler and tools from https://golang.org/
  See https://golang.org/doc/install
  for details or, if you are using gccgo, follow the instructions at
  https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.
  The simplest way is to run
  go get -u github.com/golang/protobuf/{proto,protoc-gen-go}
  The compiler plugin, protoc-gen-go, will be installed in $GOBIN,
  defaulting to $GOPATH/bin. It must be in your $PATH for the protocol
  compiler, protoc, to find it.

This software has two parts: a ‘protocol compiler plugin’ that
generates Go source files that, once compiled, can access and manage
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msg.Foo = proto.String("hello") // set field
- Constants are defined to hold the default values of all fields that have them. They have the form Default_StructName_FieldName.
Because the getter methods handle defaulted values, direct use of these constants should be rare.
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Consider file test.proto, containing

```protobuf
definitions:
  package example;
  enum FOO { X = 17; };

  message Test {
    required string label = 1;
    optional int32 type = 2 [default=77];
    repeated int64 reps = 3;
    optional group OptionalGroup = 4 {
      required string RequiredField = 5;
    }
  }
```

To create and play with a Test object from the example package,

```go
package main

import (
  "log"
  "github.com/gogo/protobuf/proto"
  "path/to/example"
)

func main() {
  test := &example.Test {
    Label: proto.String("hello"),
    Type: proto.Int32(17),
    Optionalgroup: &example.Test_OptionalGroup {
      RequiredField: proto.String("good bye"),
    },
  }
  data, err := proto.Marshal(test)
  if err != nil {
    log.Fatal("marshaling error: ", err)
  }
  newTest := &example.Test{ }
  err = proto.Unmarshal(data, newTest)
  if err != nil {
    log.Fatal("unmarshaling error: ", err)
  }
```
Now test and newTest contain the same data. If test.GetLabel() != newTest.GetLabel() {
    log.Fatalf("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
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Go support for Protocol Buffers - Google's data interchange format

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  See
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  https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.
The simplest way is to run
go get -u github.com/golang/protobuf/{proto,protoc-gen-go}
The compiler plugin, protoc-gen-go, will be installed in $GOBIN,
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        Label: proto.String("hello"),
        Type:  proto.Int32(17),
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        },
    }
    data, err := proto.Marshal(test)
    if err != nil {
        log.Fatal("marshaling error: ", err)
    }
    newTest := &example.Test{
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    err = proto.Unmarshal(data, newTest)
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    if test.GetLabel() != newTest.GetLabel() {
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Consider file test.proto, containing

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enum FOO { X = 17; };
```
message Test {
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- Grab the code from the repository and install the proto package.
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  go get -u github.com/golang/protobuf/[^proto,protoc-gen-go]
  The compiler plugin, protoc-gen-go, will be installed in $GOPATH,
  defaulting to $GOPATH/bin. It must be in your $PATH for the protocol
  compiler, protoc, to find it.

This software has two parts: a `protocol compiler plugin` that generates Go source files that, once compiled, can access and manage protocol buffers; and a library that implements run-time support for encoding (marshaling), decoding (unmarshaling), and accessing protocol
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GoGoProtobuf provides extensions for protocol buffers and GoProtobuf see http://github.com/gogo/protobuf/gogoproto/doc.go

## Using protocol buffers with Go ##

Once the software is installed, there are two steps to using it. First you must compile the protocol buffer definitions and then import them, with the support library, into your program.

To compile the protocol buffer definition, run protoc with the --gogo_out parameter set to the directory you want to output the Go code to.

protoc --gogo_out=. *.proto

The generated files will be suffixed .pb.go. See the Test code below for an example using such a file.

The package comment for the proto library contains text describing the interface provided in Go for protocol buffers. Here is an edited version.

If you are using any gogo.proto extensions you will need to specify the proto_path to include the descriptor.proto and gogo.proto. gogo.proto is located in github.com/gogo/protobuf/gogoproto

This should be fine, since your import is the same.
descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/
Its import is google/protobuf/descriptor.proto so it might need some help.

protoc --gogo_out=. -I=:.github.com/gogo/protobuf/protobuf *.proto

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  them as structure fields.
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The getters work even if the receiver is a nil message.
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```go
msg.Foo = proto.String("hello") // set field
```

- Constants are defined to hold the default values of all fields that
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- Marshal and Unmarshal are functions to encode and decode the wire format.

Consider file test.proto, containing

```proto
package example;

enum FOO { X = 17; };

message Test {
  required string label = 1;
  optional int32 type = 2 [default=77];
  repeated int64 reps = 3;
  optional group OptionalGroup = 4 {
    required string RequiredField = 5;
  }
}
```

To create and play with a Test object from the example package,

```go
package main

import (  
    "log"
    "github.com/gogo/protobuf/proto"
    "path/to/example"
)

func main() {  
test := &example.Test {  
    Label: proto.String("hello"),  
    Type:  proto.Int32(17),  
    Optionalgroup: &example.Test_OptionalGroup {  
        RequiredField: proto.String("good bye"),  
    },  
}
}
data, err := proto.Marshal(test)
if err != nil {  
    log.Fatal("marshaling error: ", err)
}
newTest := &example.Test{}
err = proto.Unmarshal(data, newTest)
if err != nil {  
    log.Fatal("unmarshaling error: ", err)
}
// Now test and newTest contain the same data.
if test.GetLabel() != newTest.GetLabel() {  
    log.Fatal("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
}
// etc.
}
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the --go_out argument to protoc:

```
protoc --gogo_out=plugins=grpc:. *.proto
```

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Extensions for Protocol Buffers to create more Go-like structures.

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https://github.com/golang/protobuf

This package and the code it generates requires at least Go 1.4.

This software implements Go bindings for protocol buffers. For
information about protocol buffers themselves, see
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### Installation ###

To use this software, you must:
- Install the standard C++ implementation of protocol buffers from https://developers.google.com/protocol-buffers/
- Of course, install the Go compiler and tools from https://golang.org/
  See https://golang.org/doc/install for details or, if you are using gccgo, follow the instructions at https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.

The simplest way is to run:

```
go get -u github.com/golang/protobuf/{proto,protoc-gen-go}
```

The compiler plugin, protoc-gen-go, will be installed in $GOBIN, defaulting to $GOPATH/bin. It must be in your $PATH for the protocol compiler, protoc, to find it.

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The generated files will be suffixed .pb.go. See the Test code below for an example using such a file.

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If you are using any gogo.proto extensions you will need to specify the
proto_path to include the descriptor.proto and gogo.proto.
gogo.proto is located in github.com/gogo/protobuf/gogoproto
This should be fine, since your import is the same.
descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/
Its import is google/protobuf/descriptor.proto so it might need some help.

protoc --gogo_out=. -I=.:github.com/gogo/protobuf/protobuf *.proto

==========

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A summary of the properties of the protocol buffer interface for a protocol buffer variable v:

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msg.Foo = proto.String("hello") // set field
- Constants are defined to hold the default values of all fields that have them. They have the form Default_StructName_FieldName.
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- Enums are given type names and maps from names to values.
Enum values are prefixed with the enum's type name. Enum types have a String method, and a Enum method to assist in message construction.
- Nested groups and enums have type names prefixed with the name of the surrounding message type.
- Extensions are given descriptor names that start with E_, followed by an underscore-delimited list of the nested messages that contain it (if any) followed by the CamelCased name of the extension field itself. HasExtension, ClearExtension, GetExtension and SetExtension are functions for manipulating extensions.
- Oneof field sets are given a single field in their message, with distinguished wrapper types for each possible field value.
- Marshal and Unmarshal are functions to encode and decode the wire format.

Consider file test.proto, containing

```proto
package example;

text.proto

enum FOO { X = 17; };

message Test {
  required string label = 1;
  optional int32 type = 2 [default=77];
  repeated int64 reps = 3;
  optional group OptionalGroup = 4 {
    required string RequiredField = 5;
  }
}

To create and play with a Test object from the example package,

```proto
package main

import (
  "log"
  "github.com/gogo/protobuf/proto"
  "path/to/example"
)

func main() { 
  test := &example.Test {
    Label: proto.String("hello"),
    Type: proto.Int32(17),
    OptionalGroup: &example.Test_OptionalGroup {
      RequiredField: proto.String("good bye"),
    },
  }
  data, err := proto.Marshal(test)
  if err != nil {
    log.Fatal("marshaling error: ", err)
  }
  newTest := &example.Test{}
  err = proto.Unmarshal(data, newTest)
  if err != nil {
    log.Fatal("unmarshaling error: ", err)
  }
  // Now test and newTest contain the same data.
```
if test.GetLabel() != newTest.GetLabel() {
    log.Fatalf("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
} // etc.

---

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If a proto file specifies RPC services, protoc-gen-go can be instructed to
generate code compatible with gRPC (http://www.grpc.io/). To do this, pass
the `plugins` parameter to protoc-gen-go; the usual way is to insert it into
the `--go_out` argument to protoc:

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---

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Consider file test.proto, containing

package example;

enum FOO { X = 17; };

message Test {
  required string label = 1;
  optional int32 type = 2 [default=77];
  repeated int64 reps = 3;
  optional group OptionalGroup = 4 {
    required string RequiredField = 5;
  }
}

To create and play with a Test object from the example package,

package main

import (  
  "log"
  "github.com/gogo/protobuf/proto"
  "path/to/example"
)
func main() {
    test := &example.Test {
        Label: proto.String("hello"),
        Type:  proto.Int32(17),
        Optionalgroup: &example.Test_OptionalGroup {
            RequiredField: proto.String("good bye"),
        },
    }
    data, err := proto.Marshal(test)
    if err != nil {
        log.Fatal("marshaling error: ", err)
    }
    newTest := &example.Test{ }
    err = proto.Unmarshal(data, newTest)
    if err != nil {
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go get -u github.com/golang/protobuf/{proto,protoc-gen-go}

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Consider file test.proto, containing

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enum FOO { X = 17; }
```

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  }
}

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  "path/to/example"
)

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    Type:  proto.Int32(17),
    OptionalGroup: &example.TestOptionalGroup {
      RequiredField: proto.String("good bye"),
    },
  }
  data, err := proto.Marshal(test)
  if err != nil {
    log.Fatal("marshaling error: ", err)
  }
  newTest := &example.Test{}
  err = proto.Unmarshal(data, newTest)
  if err != nil {
    log.Fatal("unmarshaling error: ", err)
  }
  // Now test and newTest contain the same data.
  if test.GetLabel() != newTest.GetLabel() {
    log.Fatal("data mismatch \%q != \%q", test.GetLabel(), newTest.GetLabel())
  }
  // etc.
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gRPC Support

============

If a proto file specifies RPC services, protoc-gen-go can be instructed to
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https://github.com/golang/protobuf
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The simplest way is to run

go get -u github.com/golang/protobuf/{proto,protoc-gen-go}

The compiler plugin, protoc-gen-go, will be installed in $GOBIN, defaulting to $GOPATH/bin. It must be in your $PATH for the protocol compiler, protoc, to find it.

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First you must compile the protocol buffer definitions and then import them, with the support library, into your program.

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  optional group OptionalGroup = 4 {
    required string RequiredField = 5;
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}
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To create and play with a Test object from the example package,

```go
package main

import (
  "log"
  "github.com/gogo/protobuf/proto"
  "path/to/example"
)

func main() {
  test := &example.Test {
    Label: proto.String("hello"),
    Type: proto.Int32(17),
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    },
  }
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if err != nil {
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if a proto file specifies RPC services, protoc-gen-go can be instructed to
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Extensions for Protocol Buffers to create more go like structures.

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descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/
Its import is google/protobuf/descriptor.proto so it might need some help.

```
protoc --gogo_out=. -I=:github.com/gogo/protobuf/protobuf *.proto
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package main

import {
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newTest := &example.Test{}
err = proto.Unmarshal(data, newTest)
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```
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Extensions for Protocol Buffers to create more go like structures.

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http://github.com/gogo/protobuf

Go support for Protocol Buffers - Google's data interchange format

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The compiler plugin, protoc-gen-go, will be installed in $GOBIN, defaulting to $GOPATH/bin. It must be in your $PATH for the protocol compiler, protoc, to find it.

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This should be fine, since your import is the same.
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  }
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package main

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    },
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  if err != nil {
```
log.Fatal("marshaling error: ", err)
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test = &example.Test{}
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} // Now test and newTest contain the same data.
for test.GetLabel() != newTest.GetLabel() {
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func main() {
  test := &example.Test {
    Label: proto.String("hello"),
    Type:  proto.Int32(17),
    Optionalgroup: &example.Test_OptionalGroup {
      RequiredField: proto.String("good bye"),
    },
  }
  data, err := proto.Marshal(test)
  if err != nil {
    log.Fatal("marshaling error: ", err)
  }
  newTest := &example.Test{}
  err = proto.Unmarshal(data, newTest)
  if err != nil {
    log.Fatal("unmarshaling error: ", err)
  }
  // Now test and newTest contain the same data.
  if test.GetLabel() != newTest.GetLabel() {
    log.Fatal("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
  }
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```
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If a proto file specifies RPC services, protoc-gen-go can be instructed to
generate code compatible with gRPC (http://www.grpc.io/). To do this, pass
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```bash
protoc --gogo_out=plugins=grpc:. *.proto
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Extensions for Protocol Buffers to create more go like structures.

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This should be fine, since your import is the same.

descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/

Its import is google/protobuf/descriptor.proto so it might need some help.

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```
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```

==========

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message Test {
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}
optional int32 type = 2 [default=77];
repeated int64 reps = 3;
optional group OptionalGroup = 4 {
  required string RequiredField = 5;
}

To create and play with a Test object from the example package,

package main

import (
    "log"
    "github.com/gogo/protobuf/proto"
    "path/to/example"
)

func main() {
    test := &example.Test {
        Label: proto.String("hello"),
        Type:  proto.Int32(17),
        OptionalGroup: &example.Test_OptionalGroup {
            RequiredField: proto.String("good bye"),
        },
    }
    data, err := proto.Marshal(test)
    if err != nil {
        log.Fatal("marshaling error: ", err)
    }
    newTest := &example.Test{
    }
    err = proto.Unmarshal(data, newTest)
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    }
    // Now test and newTest contain the same data.
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extension field itself. HasExtension, ClearExtension, GetExtension
and SetExtension are functions for manipulating extensions.
- Oneof field sets are given a single field in their message,
with distinguished wrapper types for each possible field value.
- Marshal and Unmarshal are functions to encode and decode the wire format.

Consider file test.proto, containing

package example;

enum FOO { X = 17; };

message Test {
  required string label = 1;
  optional int32 type = 2 [default=77];
  repeated int64 reps = 3;
  optional group OptionalGroup = 4 {
    required string RequiredField = 5;
  }
}

To create and play with a Test object from the example package,

package main
import (
    "log"

    "github.com/gogo/protobuf/proto"
    "path/to/example"
)

func main() {
    test := &example.Test {
        Label: proto.String("hello"),
        Type:  proto.Int32(17),
        Optionalgroup: &example.Test_OptionalGroup {
            RequiredField: proto.String("good bye"),
        },
    }
    data, err := proto.Marshal(test)
    if err != nil {
        log.Fatal("marshaling error: ", err)
    }
    newTest := &example.Test{
    }
    err = proto.Unmarshal(data, newTest)
    if err != nil {
        log.Fatal("unmarshaling error: ", err)
    }
    // Now test and newTest contain the same data.
    if test.GetLabel() != newTest.GetLabel() {
        log.Fatalf("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
    }
    // etc.
}

gRPC Support
-------------
If a proto file specifies RPC services, protoc-gen-go can be instructed to
generate code compatible with gRPC (http://www.grpc.io/). To do this, pass
the `plugins` parameter to protoc-gen-go; the usual way is to insert it into
the `--go_out` argument to protoc:

```
protoc --gogo_out=plugins=grpc:. *.proto
```

Extensions for Protocol Buffers to create more go like structures.

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Go support for Protocol Buffers - Google's data interchange format

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This package and the code it generates requires at least Go 1.4.

This software implements Go bindings for protocol buffers. For information about protocol buffers themselves, see https://developers.google.com/protocol-buffers/

### Installation ###

To use this software, you must:
- Install the standard C++ implementation of protocol buffers from https://developers.google.com/protocol-buffers/
- Of course, install the Go compiler and tools from
https://golang.org/
See
https://golang.org/doc/install
for details or, if you are using gccgo, follow the instructions at
https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.
  The simplest way is to run
go get -u github.com/golang/protobuf/{proto,protoc-gen-go}
The compiler plugin, protoc-gen-go, will be installed in $GOBIN,
defaulting to $GOPATH/bin. It must be in your $PATH for the protocol
compiler, protoc, to find it.

This software has two parts: a 'protocol compiler plugin' that
generates Go source files that, once compiled, can access and manage
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## Using protocol buffers with Go ##

Once the software is installed, there are two steps to using it.
First you must compile the protocol buffer definitions and then import
them, with the support library, into your program.

To compile the protocol buffer definition, run protoc with the --gogo_out
parameter set to the directory you want to output the Go code to.

protoc --gogo_out=. *.proto

The generated files will be suffixed .pb.go. See the Test code below
for an example using such a file.

The package comment for the proto library contains text describing
the interface provided in Go for protocol buffers. Here is an edited
version.

If you are using any gogo.proto extensions you will need to specify the
proto_path to include the descriptor.proto and gogo.proto.
gogo.proto is located in github.com/gogo/protobuf/gogoproto
This should be fine, since your import is the same.
descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/
Its import is google/protobuf/descriptor.proto so it might need some help.

protoc --gogo_out=. -I=.:github.com/gogo/protobuf/protobuf *.proto

==========

The proto package converts data structures to and from the wire format of protocol buffers. It works in concert with the Go source code generated for .proto files by the protocol compiler.

A summary of the properties of the protocol buffer interface for a protocol buffer variable v:

- Names are turned from camel_case to CamelCase for export.
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- The zero value for a struct is its correct initialization state.
All desired fields must be set before marshaling.
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That is, optional or required field int32 f becomes F *int32.
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Helpers for getting values are superseded by the GetFoo methods and their use is deprecated.
msg.Foo = proto.String("hello") // set field
- Constants are defined to hold the default values of all fields that have them. They have the form Default_StructName_FieldName. Because the getter methods handle defaulted values, direct use of these constants should be rare.
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Consider file test.proto, containing:

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```go
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  }
  data, err := proto.Marshal(test)
  if err != nil {
    log.Fatal("marshaling error: ", err)
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  newTest := &example.Test{}
  err = proto.Unmarshal(data, newTest)
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  if test.GetLabel() != newTest.GetLabel() {
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```


```
// etc.
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protoc --gogo_out=plugins=grpc:. *.proto
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This package and the code it generates requires at least Go 1.4.

This software implements Go bindings for protocol buffers. For information about protocol buffers themselves, see https://developers.google.com/protocol-buffers/

## Installation ##

To use this software, you must:
- Install the standard C++ implementation of protocol buffers from https://developers.google.com/protocol-buffers/
- Of course, install the Go compiler and tools from https://golang.org/
  See https://golang.org/doc/install for details or, if you are using gccgo, follow the instructions at https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.
  The simplest way is to run
go get -u github.com/golang/protobuf/{proto,protoc-gen-go}
The compiler plugin, protoc-gen-go, will be installed in $GOBIN, defaulting to $GOPATH/bin. It must be in your $PATH for the protocol compiler, protoc, to find it.

This software has two parts: a 'protocol compiler plugin' that generates Go source files that, once compiled, can access and manage protocol buffers; and a library that implements run-time support for encoding (marshaling), decoding (unmarshaling), and accessing protocol buffers.

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First you must compile the protocol buffer definitions and then import them, with the support library, into your program.

To compile the protocol buffer definition, run protoc with the --gogo_out parameter set to the directory you want to output the Go code to.

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The generated files will be suffixed .pb.go. See the Test code below for an example using such a file.

The package comment for the proto library contains text describing the interface provided in Go for protocol buffers. Here is an edited version.

If you are using any gogo.proto extensions you will need to specify the proto_path to include the descriptor.proto and gogo.proto.

```
gogo.proto is located in github.com/gogo/protobuf/gogoproto
This should be fine, since your import is the same.
descriptor.proto is located in either github.com/gogo/protobuf/protobuf or code.google.com/p/protobuf/trunk/src/
Its import is google/protobuf/descriptor.proto so it might need some help.
```

```
protoc --gogo_out=. -I=.:github.com/gogo/protobuf/protobuf *.proto
```

==========

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  "github.com/gogo/protobuf/proto"
  "path/to/example"
)

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  test := &example.Test {
```
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Type: proto.Int32(17),
OptionalGroup: &example.Test_OptionalGroup {
  RequiredField: proto.String("good bye"),
},
data, err := proto.Marshal(test)
if err != nil {
  log.Fatal("marshaling error: ", err)
}
newTest := &example.Test{
}
err = proto.Unmarshal(data, newTest)
if err != nil {
  log.Fatal("unmarshaling error: ", err)
}
// Now test and newTest contain the same data.
if test.GetLabel() != newTest.GetLabel() {
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// etc.

---

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the `--go_out` argument to protoc:

protoc --gogo_out=plugins=grpc:. *.proto

---

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This package and the code it generates requires at least Go 1.4.

This software implements Go bindings for protocol buffers. For information about protocol buffers themselves, see https://developers.google.com/protocol-buffers/

## Installation ##

To use this software, you must:
- Install the standard C++ implementation of protocol buffers from https://developers.google.com/protocol-buffers/
- Of course, install the Go compiler and tools from https://golang.org/
  See https://golang.org/doc/install
for details or, if you are using gccgo, follow the instructions at
https://golang.org/doc/install/gccgo
- Grab the code from the repository and install the proto package.
The simplest way is to run `go get -u github.com/golang/protobuf/{proto,protoc-gen-go}`.
The compiler plugin, protoc-gen-go, will be installed in $GOBIN,
defaulting to $GOPATH/bin. It must be in your $PATH for the protocol
compiler, protoc, to find it.

This software has two parts: a 'protocol compiler plugin' that
generates Go source files that, once compiled, can access and manage
protocol buffers; and a library that implements run-time support for
encoding (marshaling), decoding (unmarshaling), and accessing protocol
buffers.

There is support for gRPC in Go using protocol buffers.
See the note at the bottom of this file for details.

There are no insertion points in the plugin.

## Using protocol buffers with Go ##

Once the software is installed, there are two steps to using it.
First you must compile the protocol buffer definitions and then import
them, with the support library, into your program.

To compile the protocol buffer definition, run protoc with the --go_out
parameter set to the directory you want to output the Go code to.

protoc --go_out=. *.proto

The generated files will be suffixed .pb.go. See the Test code below
for an example using such a file.

The package comment for the proto library contains text describing
the interface provided in Go for protocol buffers. Here is an edited
version.

==========

The proto package converts data structures to and from the
wire format of protocol buffers. It works in concert with the
Go source code generated for .proto files by the protocol compiler.

A summary of the properties of the protocol buffer interface
for a protocol buffer variable v:
- Names are turned from camel_case to CamelCase for export.
- There are no methods on v to set fields; just treat them as structure fields.
- There are getters that return a field's value if set, and return the field's default value if unset.

The getters work even if the receiver is a nil message.
- The zero value for a struct is its correct initialization state.

All desired fields must be set before marshaling.
- A Reset() method will restore a protobuf struct to its zero state.
- Non-repeated fields are pointers to the values; nil means unset.

That is, optional or required field int32 f becomes F *int32.
- Repeated fields are slices.
- Helper functions are available to aid the setting of fields.

Helpers for getting values are superseded by the GetFoo methods and their use is deprecated.

msg.Foo = proto.String("hello") // set field
- Constants are defined to hold the default values of all fields that have them. They have the form Default_StructName_FieldName.

Because the getter methods handle defaulted values, direct use of these constants should be rare.
- Enums are given type names and maps from names to values.

Enum values are prefixed with the enum's type name. Enum types have a String method, and a Enum method to assist in message construction.
- Nested groups and enums have type names prefixed with the name of the surrounding message type.
- Extensions are given descriptor names that start with E_, followed by an underscore-delimited list of the nested messages that contain it (if any) followed by the CamelCased name of the extension field itself. HasExtension, ClearExtension, GetExtension and SetExtension are functions for manipulating extensions.
- Oneof field sets are given a single field in their message, with distinguished wrapper types for each possible field value.
- Marshal and Unmarshal are functions to encode and decode the wire format.

When the .proto file specifies `syntax="proto3"`, there are some differences:

- Non-repeated fields of non-message type are values instead of pointers.
- Getters are only generated for message and oneof fields.
- Enum types do not get an Enum method.

Consider file test.proto, containing

```proto
package example;

enum FOO { X = 17; };

message Test {
```
required string label = 1;
optional int32 type = 2 [default=77];
repeated int64 reps = 3;
optional group OptionalGroup = 4 {
  required string RequiredField = 5;
}

To create and play with a Test object from the example package,

```go
package main

import (
  "log"
  "github.com/golang/protobuf/proto"
  "path/to/example"
)

func main() {
  test := &example.Test {
    Label: proto.String("hello"),
    Type:  proto.Int32(17),
    Reps:  []int64{1, 2, 3},
    Optionalgroup: &example.Test_OptionalGroup {
      RequiredField: proto.String("good bye"),
    },
  }
  data, err := proto.Marshal(test)
  if err != nil {
    log.Fatal("marshaling error: ", err)
  }
  newTest := &example.Test{}
  err = proto.Unmarshal(data, newTest)
  if err != nil {
    log.Fatal("unmarshaling error: ", err)
  }
  // Now test and newTest contain the same data.
  if test.GetLabel() != newTest.GetLabel() {
    log.Fatal("data mismatch %q != %q", test.GetLabel(), newTest.GetLabel())
  }
  // etc.
}

## Parameters ##
To pass extra parameters to the plugin, use a comma-separated parameter list separated from the output directory by a colon:

```bash
protoc --go_out=plugins=grpc,import_path=mypackage:. *.proto
```

- `import_prefix=xxx` - a prefix that is added onto the beginning of all imports. Useful for things like generating protos in a subdirectory, or regenerating vendored protobufs in-place.
- `import_path=foo/bar` - used as the package if no input files declare `go_package`. If it contains slashes, everything up to the rightmost slash is ignored.
- `plugins=plugin1+plugin2` - specifies the list of sub-plugins to load. The only plugin in this repo is `grpc`.
- `Mfoo/bar.proto=quux/shme` - declares that foo/bar.proto is associated with Go package quux/shme. This is subject to the import_prefix parameter.

## gRPC Support ##

If a proto file specifies RPC services, protoc-gen-go can be instructed to generate code compatible with gRPC (http://www.grpc.io/). To do this, pass the `plugins` parameter to protoc-gen-go; the usual way is to insert it into the `--go_out` argument to protoc:

```bash
protoc --go_out=plugins=grpc:. *.proto
```

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Gocheck - A rich testing framework for Go

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Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.52 gdisk 0.8.6 :5.el7

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1.53 gdk-pixbuf2 2.31.6 :3.el7

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License
treats it as such.

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

1.55 glibmm24 2.42.0 :1.el7
1.55.1 Available under license :

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 */

#include <glibmm/object.h>
#include <giomm/cancellable.h>
#include <giomm/asyncresult.h>
namespace Gio
{

/** An object representing the permission to perform a certain action.
 * 
 * A Permission represents the status of the caller’s permission to 
 * perform a certain action.
 * 
 * You can query if the action is currently allowed and if it is 
 * possible to acquire the permission so that the action will be allowed 
 * in the future.
 * 
 * There is also an API to actually acquire the permission and one to 
 * release it.
 * 
 * As an example, a Permission might represent the ability for the 
 * user to write to a Settings object. This Permission object could 
 * then be used to decide if it is appropriate to show a ”Click here to 
 * unlock” button in a dialog and to provide the mechanism to invoke 
 * when that button is clicked.
 * 
 * @newin{2,42}
 */

class Permission : public Glib::Object
{
  _CLASS_GOBJECT(Permission, GPermission, G_PERMISSION, Glib::Object, GObject)

public:

  _WRAP_METHOD(bool acquire(const Glib::RefPtr<Cancellable>& cancellable{?}), g_permission_acquire, errthrow)
  _WRAP_METHOD(void acquire_async(const SlotAsyncReady& slot{callback}, const Glib::RefPtr<Cancellable>& cancellable{.?}), g_permission_acquire_async, slot_name slot, slot_callback SignalProxy_async_callback)
  _WRAP_METHOD(bool acquire_finish(const Glib::RefPtr<AsyncResult>& result), g_permission_acquire_finish, errthrow)

  _WRAP_METHOD(bool release(const Glib::RefPtr<Cancellable>& cancellable{?}), g_permission_release, errthrow)
  _WRAP_METHOD(void release_async(const SlotAsyncReady& slot{callback}, const Glib::RefPtr<Cancellable>& cancellable{.?}), g_permission_release_async, slot_name slot, slot_callback SignalProxy_async_callback)
  _WRAP_METHOD(bool release_finish(const Glib::RefPtr<AsyncResult>& result), g_permission_release_finish, errthrow)

};
errthrow)

  _WRAP_METHOD(bool get_allowed() const, g_permission_get_allowed)
  _WRAP_METHOD(bool get_can_acquire() const, g_permission_get_can_acquire)
  _WRAP_METHOD(bool get_can_release() const, g_permission_get_can_release)

  _WRAP_PROPERTY("allowed", bool)
  _WRAP_PROPERTY("can-acquire", bool)
  _WRAP_PROPERTY("can-release", bool)

protected:

  _CTOR_DEFAULT

  // A copy is needed for vfuncs, i.e. Glib::wrap($3, true)
  #m4 _CONVERSION(`GAsyncResult*',`const Glib::RefPtr<AsyncResult>&',`Glib::wrap($3, true'))
  #m4 _CONVERSION(`GCancellable*',`const Glib::RefPtr<Cancellable>&',`Glib::wrap($3, true'))

  _WRAP_VFUNC(bool acquire(const Glib::RefPtr<Cancellable>& cancellable), acquire, errthrow)
  _WRAP_VFUNC(void acquire_async(const SlotAsyncReady& slot{callback}, const Glib::RefPtr<Cancellable>& cancellable{.}), acquire_async, slot_name slot, slot_callback SignalProxy_async_callback)
  _WRAP_VFUNC(bool acquire_finish(const Glib::RefPtr<AsyncResult>& result), acquire_finish, errthrow)

  _WRAP_VFUNC(bool release(const Glib::RefPtr<Cancellable>& cancellable), release, errthrow)
  _WRAP_VFUNC(void release_async(const SlotAsyncReady& slot{callback}, const Glib::RefPtr<Cancellable>& cancellable{.}), release_async, slot_name slot, slot_callback SignalProxy_async_callback)
  _WRAP_VFUNC(bool release_finish(const Glib::RefPtr<AsyncResult>& result), release_finish, errthrow)

  // You should never call this function except from a Gio::Permission implementation.
  _WRAP_METHOD(void impl_update(bool allowed, bool can_acquire, bool can_release),
g_permission_impl_update)
};

} // namespace Gio

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* /

#include <gio/gio.h>
#include "slot_async.h"

namespace Gio
{
}
// namespace Gio

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1.58 gpm 1.20.7 :5.el7

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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.]

Preamble

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Finally, software patents pose a constant threat to the existence of
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General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
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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
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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
"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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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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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
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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.

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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.

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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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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

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

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Historically, haproxy has been covered by GPL version 2. However, an issue
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using the headers provided with haproxy. My long-term goal is to build a core
system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...),
some of them might be accessible only after signing an NDA. Enforcing GPL on
such modules would only prevent them from ever being implemented, while not
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For this reason, I *want* to be able to support binary only external modules
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This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
<title>The Apache License, Version 2.0 - Apache HTTP Server</title>
<link href="./style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet"/>
<link href="./style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No Sidebar - Default font size"/>
<link href="./style/css/manual-print.css" rel="stylesheet" media="print" type="text/css"/>
<link rel="stylesheet" type="text/css" href="./style/css/prettify.css"/>
<script src="./style/scripts/prettify.js" type="text/javascript"></script>
<link href="./images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="apache">Apache HTTP Server Version 2.4</p>
<img alt="" src="./images/feather.gif" /></div>

<p class="apache">Apache HTTP Server Version 2.4</p>
<img alt="" src="./images/feather.gif" />
</body></html>
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/******************************
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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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```c
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/*

*/

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# install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
#
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)

*/

For the expat xml parser component:

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1.69 ICU 50.1.2 :15.el7
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## *.makefile*.

## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC

## Additional flags when building libraries and with threads
THREADSCPFLAGS = -D_REENTRANT

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymblic

## Shared object suffix
SO = so

## Compilation rules
%. $(STATIC_O): $(srceil)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed \"s/\(\$\*\)\.&@[ ]*/\1.o $@ : /g\" > $@; \\
[ -s $@ ] || rm -f $@’
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed \"s/\(\$\*\)\.&@[ ]*/\1.o $@ : /g\" > $@; \\
[ -s $@ ] || rm -f $@’

## Versioned libraries rules
%.$SO.$(SO_TARGET_VERSION_MAJOR): %.$SO.$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$SO: %.$SO.$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

1.70 iotop 0.6 :2.el7
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Jan Holmberg, <jan@artech.net>:
- Memory framework
- HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au>:
- MISC checker redesign
- Scheduler framework extension to support child process handling.
- Daemon framework extension to block SIGCHLD to only receive it when its unblocked in the scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu>:
- Added SMTP checker

Chris Caputo, <ccaputo@alt.net>:
- Added dont_track_primary, nopreempt, preempt_delay, and misc_dynamic.

Kevin Lindsay, <kevinl@netnation.com>:
- Fixed shadowed declaration reported by -Wshadow.
- Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com>:
- Patch for u_threshold and l_threshold support.

Willy Tarreau, <w at 1wt.eu>:
- Extended VRRP framework to support floating priority.

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1.78 kernel 3.10.0 :514.6.1.el7

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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(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.

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

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d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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

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

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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ubuntu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation
Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)
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Marcus Metzler <mocm@metzlerbros.de>
Ralph Metzler <rjkm@metzlerbros.de>
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Steve Brown <sbrown@cortland.com>
for his AFC kernel thread

Christoph Martin <martin@uni-mainz.de>
for his LIRC infrared handler

Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernen.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>  
Ronny Strutz <3des@elitedvb.de>  
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for the driver for the Technisat SkyStar2 PCI DVB card  

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Kenneth Aafly <ke-aa@frisurf.no>  
for adding support for Typhoon DVB-S budget card  

Ernst Peinlich <e.peinlich@inode.at>  
for tuning/DiSEqC support for the DEC 3000-s  

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Michael Krufky <mkrufky@mlin.net>  
for maintaining v4l/dvb inter-tree dependencies
Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
  * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
  * 
  * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
  * http://www.hypermall.com/
  * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
  * interrupts us (except possibly for removal/insertion of the cable?)
  * 10/4/97 - began heavy inline documentation of the code. Corrected typos
  * and spelling mistakes.
  * 10/5/97 - added code to handle PHY interrupts, disable PHY on
  * loss of link, and correctly re-enable PHY when link is
  * re-established. (put back CFG_PHYIE)
  *
  * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
  *
  * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
  *
  * Linux driver for the IDT77201 NICStAR PCI ATM controller.
  * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
  * see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* *
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*
* M. Welsh, 6 July 1996
*
*/

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x095840@ti.com.

Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitrik
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
Ramesh Gupta G
Fernando Guzman Lugo
Axel Haslam
Janet Head
Shivananda Hebbar
Hari Kanigeri
Tony Lindgren
Antonio Luna
Hari Nagalla
Nishanth Menon
Ameya Palande
Vijay Pasam
Gilbert Pitney
Omar Ramirez Luna
Ernesto Ramos
Chris Ring
Larry Schiefer
Rebecca Schultz Zavin
Bhavin Shah
Andy Shevchenko
Jeff Taylor
Roman Tereshonkov
Armando Uribe de Leon
Nischal Varide
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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)
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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
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for the nxt2004 frontend driver

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
*interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
*and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
*loss of link, and correctly re-enable PHY when link is
*re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer


combined, allow nicstar_free_rx_skb to be called to
recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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M. Welsh, 6 July 1996

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Ohad Ben-Cohen
Phil Carmody
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1.81 krb5 1.14.1 :27.el7_3
1.81.1 Available under license:

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.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
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
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lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
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lib/libgss/g_init_sec_context.c
lib/libgss/gInitialize.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
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
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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=================================================================================

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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
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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/*
Simple buffer

Basic buffer manipulation routines. Taken from ELAPI code.

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*/

#ifndef ELAPI_SIMPLEBUFFER_H
#define ELAPI_SIMPLEBUFFER_H

#endif
#include <stdint.h>

#ifndef EOK
#define EOK 0
#endif

/* Generic data structure for the buffer */
struct simplebuffer {
    unsigned char *buffer;
    uint32_t size;
    uint32_t length;
};

/* Function to free data */
void simplebuffer_free(struct simplebuffer *data);

/* Allocate data structure */
int simplebuffer_alloc(struct simplebuffer **data);

/* Function to add memory to the buffer */
int simplebuffer_grow(struct simplebuffer *data,
    uint32_t len,
    uint32_t block);

/* Function to add raw data to the end of the buffer. *
* Terminating 0 is not counted in length but appended *
* automatically. */
int simplebuffer_add_raw(struct simplebuffer *data,
    void *data_in,
    uint32_t len,
    uint32_t block);

/* Function to add string to the buffer. *
* Same as above just uses string as an argument. */
int simplebuffer_add_str(struct simplebuffer *data,
    const char *str,
    uint32_t len,
    uint32_t block);

/* Function to add CR to the buffer */
int simplebuffer_add_cr(struct simplebuffer *data);

/* Function to write data synchronously */
int simplebuffer_write(int fd,
    struct simplebuffer *data,
    uint32_t *left);

/* Get buffer */
const unsigned char *simplebuffer_get_buf(struct simplebuffer *data);

/* Get buffer */
void *simplebuffer_get_vbuf(struct simplebuffer *data);

/* Get length */
uint32_t simplebuffer_get_len(struct simplebuffer *data);
#endif

1.83 libcgroup 0.41 :11.el7
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1.84 libdnet 1.12 :13.1.el7

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"Source code" for a work means the preferred form of the work for
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other 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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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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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.

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

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That's all there is to it!

1.92 libnetfilter_cthelper 1.0.0 :9.el7

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1.93 libnetfilter_cttimeout 1.0.0 :6.el7

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1.94 libnetfilter_queue 1.0.2 :2.el7

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1.95 libnfsidmap 0.25 :15.el7

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This package was debianized by J. Bruce Fields <bfields@citi.umich.edu> on
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1.96 libnl3 3.2.28 :3.el7_3

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(For example, a function in a library to compute square roots has
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1.121 libXinerama 1.1.3 :2.1.el7

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1.124 libxshmfence 1.2 :1.el7

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1.128 lksctp-tools 1.0.17 :2.el7
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
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* Mark M. Hoffman
Many improvements to the libsensors configuration file scanner.
* Jean Delvare

New libsensors API, and migration of sensors and sensord thereto.
Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

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* Part No: 816-1331-11
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Network Working Group  H. Krawczyk
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==========================================================================

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Network Working Group    H. Krawczyk
Request for Comments: 2104    IBM
Category: Informational    M. Bellare
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^L

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cmake-2.4.8/Utilities/cmtar/compat/gethostname.c:
gethostname.c: minimal substitute for missing gethostname() function
created 2000-Mar-02 jmk
requires SVR4 uname() and -lc

by Jim Knoble
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--------------------------------------------
Skeleton parser for Yacc-like parsing with Bison,
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---------------------------------------------------
cmake-2.4.8/Utilities/cmzlib/zlib.h:
zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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Jean-loup Gailly        Mark Adler

---------------------------------------------

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It has since been patched away like a madman by Daniel Stenberg to make it better applied to curl conditions, and to make it not use globals, pollute name space and more. This source code awaits a rewrite to work around the paragraph 2 in the BSD licenses as explained below.

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The tz database

The public-domain time zone database contains code and data that represent the
history of local time for many representative locations around the globe. It is
updated periodically to reflect changes made by political bodies to time zone
boundaries, UTC offsets, and daylight-saving rules. This database (often called
tz or zoneinfo) is used by several implementations, including the GNU C Library
used in GNU/Linux, FreeBSD, NetBSD, OpenBSD, Cygwin, DJGPP, HP-UX, IRIX, Mac OS
X, OpenVMS, Solaris, Tru64, and UnixWare.

Each location in the database represents a national region where all clocks
keeping local time have agreed since 1970. Locations are identified by continent
or ocean and then by the name of the location, which is typically the largest
city within the region. For example, America/New_York represents most of the US
eastern time zone; America/Phoenix represents most of Arizona, which uses
mountain time without daylight saving time (DST); America/Detroit represents
most of Michigan, which uses eastern time but with different DST rules in 1975;
and other entries represent smaller regions like Starke County, Indiana, which
switched from central to eastern time in 1991 and switched back in 2006. To use
the database on an extended POSIX implementation set the TZ environment variable
to the location's full name, e.g., TZ="America/New_York".

In the tz database's FTP distribution the code is in the file tzcodeC.tar.gz,
where C is the code's version; similarly, the data are in tzdataD.tar.gz, where
D is the data's version. The following shell commands download these files to a
GNU/Linux or similar host; see the downloaded README file for what to do next.

wget 'ftp://elsie.nci.nih.gov/pub/tz*.tar.gz'
gzip -dc tzcode*.tar.gz | tar -xf -
gzip -dc tzdata*.tar.gz | tar -xf -

The code lets you compile the tz source files into machine-readable binary
files, one for each location. It also lets you read a tz binary file and
interpret time stamps for that location.

The data are by no means authoritative. If you find errors, please send changes
to the time zone mailing list. You can also subscribe to the mailing list,
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== MariaDB ==

The Debian package of MySQL was first debianized on 1997-04-12 by Christian Schwarz <schwarz@debian.org> and is maintained since 1999-04-20 by Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

MariaDB can be downloaded from https://downloads.mariadb.org/

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Written by: Philip Hazel
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Upstream Author(s):

Tetsuro IKEDA <ikdtttr at gmail.com>
Daijiro MORI <morita at razil. jp>
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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
  *
  * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  * Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
  *
  * Only for use in the Mesa project, this point 2 is filled by naming the
* technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

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- libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
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is in the file NMAP_MODIFICATIONS.
http://code.google.com/p/libdnet/
o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's
version detection and is also made available as an NSE library.
Distributed with Nmap in the libpcre subdirectory.
http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language
of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow
running Lua programs inside Nmap. Distributed with Nmap in the liblua
subdirectory. liblua can be omitted by configuring with the
--without-liblua configuration directive.
http://www.lua.org/
o OpenSSL: Cryptographic library. OpenSSL is used by service detection
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http://www.openssl.org/
o LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/
o libsvn. The Subversion library, used by the updater program

On Windows only, Nmap uses:
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http://www.winpcap.org/

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Zenmap and Ndiff require:
o Python. The binary distributions of Nmap include a Python interpreter
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Ajay Joshi <jaj@google.com>
Balzs Dn <balzs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
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Dan Egnor <egnor@google.com>
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Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
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Mikls Fazekas <mfazekas@szemafor.com>
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Patrick Hanna <phanna@google.com>
Patrick Riley <pfr@google.com>
Peter Kaminski <piotrk@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
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Russ Rufer <russ@pentad.com>
Sean Mcafee <eefacm@gmail.com>
Sigurur sgeirsson <saggi@google.com>
Tracy Bialik <tracy@pentad.com>
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Ajay Joshi <jaj@google.com>
Balzs Dn <balazsdan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
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Jeffrey Yasskin <jyasskin@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
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Patrick Hanna <phanna@google.com>
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Preston Jackson <preston.a.jackson@gmail.com>
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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1] Takao Abe <takao_abe@xurb.jp> Clock driver for JJY receivers
2. [2] Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3] Bernd Almeier <altmeier@atlsoft.de> hop Elektronik serial line and PCI-bus devices
5. [6] Michael Barone <michael.barone@lmco.com> GPSVME fixes
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8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10] Piete Brooks <Piete.Brooks@el.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11] Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12] Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13] Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14] Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15] Casey Crellin <casey@esc.co.za> vxWorks (Tornado) port and help with target configuration
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17. [18] Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19] Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20] John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21] Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22] Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23] Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24] Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26]Jeff Johnson <sjj@chatham.usdesign.com> massive prototyping overhaul
26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or 
   [28]<H.Lambermont@chello.nl> ntpswep
27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
   driver (>14 reference clocks), STREAMS modules for PARSE, support 
   scripts, syslog cleanup, dynamic interface handling
29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX 
   modifications, HPUX modifications
30. [33]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox 
   GPS clock driver
32. [35]George Lindholm <lindholm@acs.ubc.ca> SunOS 5.1 port
33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation 
   code for Version 3 as specified in RFC-1305
35. [38]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code 
   Maintenance
36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock 
   discipline, authentication, precision kernel; clock drivers: 
   Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; 
   audio clock drivers: CHU, WWV/H, IRIG
37. [40]Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
38. [41]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
39. [42]Tom Moore <tmoore@fieve1.daytonoh.ncr.com> i386 svr4 port
40. [43]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
41. [44]Derek Mulcahy <derek@toybox.demon.co.uk> and [45]Damon 
   Hart-Davis <d@hd.org> ARCRON MSF clock driver
42. [46]Rob Neal <rneal@ntp.org> Bancomm refclock and config/parse code 
   maintenance
43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> 
   monitoring/trap scripts, statistics file handling
44. [48]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
45. [49]Wilfredo Sanchez <wsanchez@apple.com> added support for 
   NetInfo
46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of 
   space on the stuff in the html/pic/ subdirectory
48. [52]Ray Schnitzler <schnitz@unixpress.com> Unixware1 port
49. [53]Michael Shields <shields@tembel.org> USNO clock driver
50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock 
   driver
51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure 
   makeover, various other bits (see the ChangeLog)
52. [56]Kenneth Stone <ken@sdd.hp.com> HP-UX port
53. [57] Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
54. [58] Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
55. [59] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
56. [60] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
3. mailto:%20altmeier@atlssoft.de
4. mailto:%20vbais@mailman1.intel.co
5. mailto:%20kirkwood@striderfm.intel.com
6. mailto:%20michael.barone@lmco.com
7. mailto:%20karl@owl.HQ.ileaf.com
8. mailto:%20greg.brackley@bigfoot.com
9. mailto:%20Marc.Brett@westgeo.com
10. mailto:%20Piete.Brooks@cl.cam.ac.uk
11. mailto:%20nelson@bolyard.me
12. mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca
13. mailto:%20reg@dWF.com
14. mailto:%20clift@nl.csiro.au
15. mailto:casey@csc.co.za
16. mailto:%20Sven_Dietrich@trimble.COM
17. mailto:%20dundas@salt.jpl.nasa.gov
18. mailto:%20duwe@immd4.informatik.uni-erlangen.de
19. mailto:%20denniS@mrbill.canet.ca
20. mailto:%20jhay@icomtek.csir.co.za
21. mailto:%20davehart@davehart.com
22. mailto:%20neoclock4x@linum.com
23. mailto:%20glenn@herald.usask.ca
24. mailto:%20glesias@uci.edu
25. mailto:%20jagubox.gsfc.nasa.gov
26. mailto:%20jbj@chatham.usdesign.com
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32. mailto:%20jones@hermes.chpc.utexas.edu
33. mailto:%20dkatz@cisco.com
34. mailto:%20leres@ee.lbl.gov
35. mailto:%20lindholm@ucb.ubc.ca
36. mailto:%20louie@ni.umd.edu
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1.154 open-vm-tools 10.0.5 :4.el7_3

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work. (Executables containing this object code plus portions of the
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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.
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open-vm-tools 10.0.0

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>>> base64.c-none
>>> convertutf.c/.h from unicode, inc.-none
>>> freebsd-1.72
>>> icu4c-4.4.1
>>> unicode-5.0

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>>> base64.c-none

base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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>>> convertutf.c/.h from unicode, inc.-none

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>>> icu4c-4.4.1

ICU License - ICU 1.8.1 and later

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1.155 open-vm-tools 10.0.5 :2.el7

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open-vm-tools 10.0.0

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Upstream Authors (from AUTHORS):

Aaron Conole    aconole@redhat.com
Aaron Rosen     arosen@clemson.edu
Alexander Duyck alexander.h.duyck@redhat.com
Alexandru Copot alex.mihai.c@gmail.com
Alexei Starovoitov ast@plumgrid.com
Alexey I. Froloff raorn@raorn.name
Alex Wang       ee07b291@gmail.com
Alfredo Finelli alf@computationes.de
Alin Serdean    aserdean@cloudbasesolutions.com
Ambika Arora    ambika.arora@tcs.com
Amit Bose               bose@noironetworks.com
Amitabha Biswas         azbiswas@gmail.com
Andrew Evans            aevans@nicira.com
Andrew Kampjes          a.kampjes@gmail.com
Andrew Lambeth          wal@nicira.com
Andy Hill               hillad@gmail.com
Andy Southgate          andy.southgate@citrix.com
Andy Zhou               azhou@ovn.org
Ankur Sharma            ankursharma@vmware.com
Anoob Soman             anoob.soman@citrix.com
Ansis Atteka            aatteka@nicira.com
Antonio Fischetti       antonio.fischetti@intel.com
Anupam Chanda           achanda@nicira.com
Ariel Tubaltsev         atubaltsev@vmware.com
Arnoldo Lutz            arnoldo.lutz.guevara@hpe.com
Arun Sharma             arun.sharma@calsoftinc.com
Aryan TaheriMonfared    aryan.taherimonfared@uis.no
Ashwin Swaminathan      ashwinds@aris.com
Babu Shanmugam          bschanmu@redhat.com
Ben Pfaff               blp@ovn.org
Ben Warren              ben@skyportsystems.com
Benli Ye                daniely@vmware.com
Bert Vermeulen          bert@biot.com
Bhanuprakash Bodireddy  bhanuprakash.bodireddy@intel.com
Billy O'Mahony          billy.o.mahony@intel.com
Binbin Xu               xu.binbin1@zte.com.cn
Brian Kruger            bkruger+ovsdev@gmail.com
Bruce Davie             bsd@nicira.com
Bryan Phillippe         bp@toroki.com
Carlo Andreotti         c.andreotti@m3s.it
Casey Barker            crbarker@google.com
Chandra Sekhar Vejendla csvejend@us.ibm.com
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Chris Wright            chrisw@sous-sol.org
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Ciara Loftus            ciara.loftus@intel.com
Cong Wang               amwang@redhat.com
Damien Millescamps      damien.millescamps@6wind.com
Dan Carpenter           dan.carpenter@oracle.com
Dan McGregor            dan.mcgregor@usask.ca
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Daniel Roman            droman@nicira.com
Daniele Di Proietto     daniele.di.proietto@gmail.com
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Danny Kukawka           danny.kukawka@bisect.de
Darrell Ball            dlu998@gmail.com
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David Erickson derickso@stanford.edu
David Hill dhill@redhat.com
David S. Miller davem@davemloft.net
David Yang davidy@vmware.com
Dennis Sam dsam@arista.com
Devendra Naga devendra.aaru@gmail.com
Dmitry Krivenok krivenok.dmitry@gmail.com
Dominic Curran dominic.curran@citrix.com
Dongdong dongdong1@huawei.com
Dongjun dongj@dtdream.com
Duffie Cooley dcooley@nicira.com
Dustins Lundquist dustin@null-ptr.net
Ed Maste emaste@freedes.org
Ed Swierk eswierk@skyportsystems.com
Edouard Bourguignon madko@linuxed.net
Esteban Rodriguez Betancourt estebarb@hpe.com
Aymerich Edward edward.aymerich@hpe.com
Edward Tomasz Napieraa trasz@freedes.org
Eitan Eliahu eliahue@vmware.com
Eohyung Lee liquidnuker@gmail.com
Eric Sesterhenn eric.sesterhenn@lsexperts.de
Ethan J. Jackson ejj@eecs.berkeley.edu
Eziz Durdyev ezizdurdy@gmail.com
Flavio Fernandes flavio@flaviof.com
Flavio Leitner fb1@redhat.com
Francesco Fusco fusco@redhat.com
FUJITA Tomonori fujita.tomonori@lab.ntt.co.jp
Gabe Beged-Dov gabe@begeddov.com
Gaetano Catalli gaetano.catalli@gmail.com
Gal Sagie gal.sagie@gmail.com
Geoffrey Wossum gwossum@acm.org
Gianluca Merlo gianluca.merlo@gmail.com
Giuseppe Lettieri g.lettieri@iet.unipi.it
Glen Gibb grg@stanford.edu
Guolin Yang gyang@nicira.com
Guru Chaitanya Perakam gperakam@Brocade.com
Gurucharan Shetty guru@ovn.org
Han Zhou zhouhan@gmail.com
Henry Mai lumai@nicira.com
Hao Zheng hzheng@nicira.com
Helmut Schaa helmut.schaa@googlemail.com
Hiteshi Kalra hiteshi.kalra@tcs.com
Huanle Han hanxueluo@gmail.com
Hui Kang kangh@us.ibm.com
Ian Campbell Ian.Campbell@citrix.com
Ian Stokes ian.stokes@intel.com
Ilya Maximets i.maximets@samsung.com
Mark Maglana  mmaglana@gmail.com
Markos Chandras  mchandras@suse.de
Martin Casado  casado@nicira.com
Martino Fornasa  mf@fornasa.it
Maryam Tahhan  maryam.tahhan@intel.com
Mauricio Vasquez  mauricio.vasquezbernal@studenti.polito.it
Maxime Coquelin  maxime.coquelin@redhat.com
Mehak Mahajan  mmahajan@nicira.com
Michael Arnaldi  arnaldimichael@gmail.com
Michal Weglicki  michalx.weglicki@intel.com
Mijo Safraclin  mijo@linux.vnet.ibm.com
Minoru TAKAHASHI  takahashi.minoru7@gmail.com
Murphy McCauley  murphy.mccauley@gmail.com
Natasha Gude  natasha@nicira.com
Neil McKe  neil.mckee@inmon.com
Neil Zhu  zhuj@centecnetworks.com
Nimay Desai  nimaydesail@gmail.com
Nithin Raju  nithin@vmware.com
Niti Rohilla  niti.rohilla@tcs.com
Numan Siddique  nusiddiq@redhat.com
Ofer Ben-Yacov  ofer.benyacov@gmail.com
Ori Shoshan  ori.shoshan@guardicore.com
Padmanabhan Krishnan  kprad1@yahoo.com
Panu Matilainen  pmatilai@redhat.com
Paraneetharan Chandrasekaran  paraneetharanc@gmail.com
Paul Boca  pboca@cloudbasesolutions.com
Paul Fazzone  pfazzone@nicira.com
Paul Ingram  paul@nicira.com
Paul-Emmanuel Raoul  skyper@skyplabs.net
Pavithra Ramesh  paramesh@vmware.com
Philippe Jung  phil.jung@free.fr
Pim van den Berg  pim@nethuis.nl
Pritesh  pritesh.kothari@cisco.com
Pravin B Shelar  pshelar@nicira.com
Quentin Monnet  quentin.monnet@6wind.com
Raju Subramanian  rsubramanian@nicira.com
Rami Rosen  ramirose@gmail.com
Ramu Ramamurthy  ramu.ramamurthy@us.ibm.com
Randall Sharo  randall.sharo@navy.mil
Ravi Kerur  Ravi.Kerur@telekom.com
Reid Price  reid@nicira.com
Remko Tronon  git@el-tramo.be
Rich Lane  rlane@bigswitch.com
Rishi Bamba  rishi.bamba@tcs.com
Rob Adams  reeadams@readams.net
Robert kerblom-Andersson  Robert.nr1@gmail.com
Rob Hoes  rob.hoes@citrix.com
Romain Lenglet  romain.lenglet@berabera.info

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Russell Bryant  russia@ovn.org
RYAN D. MOATS  rmoats@us.ibm.com
Ryan Wilson  wryan@nicira.com
Sairam Venugopal  vsairam@vmware.com
Sajjad Lateef  slateef@nicira.com
Saloni Jain  saloni.jain@tcs.com
Sanjay Sane  ssane@nicira.com
Saurabh Mohan  saurabh@cplanetworks.com
Saurabh Shah  ssaurabh@nicira.com
Saurabh Shrivastava  saurabh.shrivastava@nuagenetworks.net
Scott Lowe  scott.lowe@scottlowe.org
Scott Mann  sdmnix@gmail.com
Selvamuthukumar  smkumar@merunetworks.com
Shad Ansari  shad.ansari@he.com
Shan Wei  davidshan@tencent.com
Shashank Ram  rams@vmware.com
Shashwat Srivastava  shashwat.srivastava@tcs.com
Shih-Hao Li  shli@nicira.com
Shu Shen  shu.shen@radisys.com
Simon Horman  horms@verge.net.au
Simon Hornman  simon.hornman@netronome.com
Sorin Vinturis  svinturis@cloudbasesolutions.com
Steffen Gebert  steffen.gebert@informatik.uni-wuerzburg.de
Sten Spans  sten@blinkenlights.nl
Stephane A. Sezer  sas@cd80.net
Stephen Finucane  stephen.finucane@intel.com
Steve Ruan  ruansx@cn.ibm.com
Sugesh Chandran  sugesh.chandran@intel.com
SUGYO Kazushi  sugyo.org@gmail.com
Tadaaki Nagao  nagao@stratosphere.co.jp
Terry Wilson  twilson@redhat.com
Tetsuo NAKAGAWA  nakagawa@mxc.nes.nec.co.jp
Thadeu Lima de Souza Cascardo  cascardo@redhat.com
Thomas F. Herbert  thomasherbert@gmail.com
Thomas Goirand  zigo@debian.org
Thomas Graf  tgraf@noironetworks.com
Thomas Lacroix  thomas.lacroix@citrix.com
Timo Puha  timox.puha@intel.com
Todd Deshane  deshantm@gmail.com
Tom Everman  teverman@google.com
Tsvi Slonim  tsvi@toroki.com
Tuan Nguyen  tuan.nguyen@veriksystems.com
Tyler Coumbes  coumbes@gmail.com
Valient Gough  vgough@pobox.com
Vivien Bernet-Rollande  vbr@soprive.net
Wang Sheng-Hui  shhuiw@gmail.com
Wei Li  liw@dtdream.com
Wei Yongjun    yjwei@cn.fujitsu.com
Wenyu Zhang    wenyuz@vmware.com
William Fulton
William Tu    u9012063@gmail.com
YAMAMOTO Takashi   yamamoto@midokura.com
Yasuhito Takamiya   yasuhito@gmail.com
Yin Lin       linyi@vmware.com
Yu Zhiguo    yuzg@cn.fujitsu.com
Yuanhan Liu   yuanhan.liu@linux.intel.com
ZhengLingyun   konghuarukhr@163.com
Zoltan Balogh  zoltan.balogh@ericsson.com
Zoltan Kiss   zoltan.kiss@citrix.com
Zhi Yong Wu    zwu.kernel@gmail.com
Zang MingJie   zealot0630@gmail.com
nickcooper-zhangtonghao nickcooper-zhangtonghao@opencloud.tech
wisd0me          ak47izatool@gmail.com
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.175.1 Available under license :
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1.176.1 Available under license :
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1.180 perl-podlators 2.5.1 :3.el7
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1.181 perl-Scalar-List-Utils 1.27 :248.el7
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   MIME-Version: 1.0
   Content-Transfer-Encoding: 8bit
   Content-Type: text/plain; charset="utf-8"
   X-RT-Original-Encoding: utf-8
   Date: Mon, 18 Nov 2013 11:06:08 -0500
On Mon Nov 18 10:37:28 2013, mmaslano@redhat.com wrote:
> It would be a big help if you have better defined license. License
> text in .pm file would be enough.

Will do in next version.

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> so we assumed it's Perl (GPL+ or Artistic). Is it correct?

yes

--
Alexandr Ciornii, http://chorny.net
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1.195 python-chardet 2.2.1 :1.el7_1

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Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author’s website came with a license that contained a GPL-incompatible advertising clause.)

To rectify this situation for PyCrypto 2.1, the following steps have been taken:

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2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis’s public-domain LibTomCrypt library.)

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4. Removing some modules altogether without replacing them.

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PyCrypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

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1.198 python-cryptography 1.3.1 :3.el7
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1.206 python-jinja2 2.7.2 :2.el7

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1.211 python-lxml 3.2.1 :4.el7

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---
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modified April 2001
by Iris Van den Broeke, Daniel Deville

modified Aug 2005
by Greg Wilkins (gregw)

converted to python Jun 2009
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-------
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- Alex Po <alex-86p __at__ yandex.ru>
- Anton Vlasenko <antares.spica __at__ gmail.com>
- Brian J. Crowell <brian __at__ fluggo.com>
- Bryant Mairs <bwmails __at__ ucsd.edu>
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- Tyler Garner <garnerb __at__ gmail.com>
- tdesvenain <thomas.desvenain __at__ gmail.com>
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1.219 python-progressbar 2.3 :4.el7

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1.220 python-psutil 2.2.1 :1.el7

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1.221 python-pyasn1 0.1.9 :7.el7

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* Andrew de los Reyes
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1.224 python-pysocks 1.5.7 :1.el7

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Requests includes some vendorized python libraries to ease installation.

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1.227 python-rsa 3.4.1 :1.el7

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1.229 python-urllib3 1.15.1 :2.el7

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
* NTLM-authenticated HTTPSConnectionPool
* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
* Client-verified SSL certificates for HTTPSConnectionPool
* Response gzip and deflate encoding support
* Better unicode support for filepost using StringIO buffers

* btcoconnor <brian@btcoconnor.net>
* Non-multipart encoding for POST requests

* pdobrogost <http://code.google.com/u/WBRSRIBZDhBFXQB6/>
* Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
* Bugfixes, suggestions, Requests integration

* georgemarshall <http://github.com/georgemarshall>
* Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
* Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
* Design review, bugs, fixes, test coverage.

* studer <theo.studer@gmail.com>
* IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
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* hartator <hartator@gmail.com>
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* Fixed pickle support of some exceptions

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* Allowed to skip SSL hostname verification
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* Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.

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* Add missing WrappedSocket.fileno method in PyOpenSSL

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* Stephen Holsapple <sholsapp@gmail.com>
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* HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
* Ignore default ports when comparing hosts for equality

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* Disabled TLS compression by default on Python 3.2+
* Disabled TLS compression in pyopenssl contrib module
* Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
* Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
* Use the platform-specific CA certificate locations

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* HTTPHeaderDict and associated tests and docs
* Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
* Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

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  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

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  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.
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* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
* Fix low-level exceptions leaking from `HTTPResponse.stream()`.

* Predrag Gruevski <https://github.com/obi1kenobi>
* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
* Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
* Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
* Working on encoding unicode header parameter names
* Making setup.py resilient to ASCII locales

* David Foster <http://dafoster.net/>
* Ensure order of request and response headers are preserved.

* [Your name or handle] <[email or website]>
* [Brief summary of your changes]

---

1.230 pytz 2012d :5.el7
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1.231 PyYAML 3.10 :11.el7
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1.232 qemu-kvm 1.5.3 :126.el7_3.3
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Gocheck - A rich testing framework for Go

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1.247 sudo 1.8.6p7 :21.el7_3

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

1.248 sudo 1.8.6p7 :23.el7_3

1.248.1 Available under license :

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Russ Allbery
Nick Andrew
Dimitry Andric
Danny Barron
Tom Bates
Zdenek Behan
Ray Bellis
Elias Benali
Jamie Beverly
Spider Boardman
Jakub Bogusz
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Diego Elio Pettino
Joel Pickett
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Tran Ngoc Quan
Gudleik Rasch
Matt Richards
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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 Program.

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   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.253 traceroute 2.0.22 :2.el7

1.253.1 Available under license:

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Version 2.1, February 1999

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

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All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)
The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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* MoreFiles
*
* A collection of File Manager and related routines
*
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*
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*
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* ............................................................................
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May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that
he has no objection to the Info-ZIP group's inclusion of his code.
His primary concern is that it remain freely distributable, he said."

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tions as useful as we have his.

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-----

The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
eexplode.c) was originally written by Mark Adler who submitted it
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------------------------------------------------------------------------

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1.258 userspace-rcu 0.7.16 :3.el7

1.258.1 Available under license:
Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:
I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7c7cfb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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Version 2, June 1991

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

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

It may happen that this requirement contradicts the license
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accompany the operating system. Such a contradiction means you cannot
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distribute.

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b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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

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

That's all there is to it!
Userspace RCU library licensing
Mathieu Desnoyers
September 3, 2012

* LGPLv2.1

The library part is distributed under LGPLv2.1 or later. See lgpl-2.1.txt for license details. Refer to the individual file headers for details.

LGPL-compatible source code can statically use the library header using:

#define _LGPL_SOURCE
#include <urcu.h>

Dynamic-only linking with the LGPL library is used if _LGPL_SOURCE is not defined. It permits relinking with newer versions of the library, which is required by the LGPL license.

See lgpl-relicensing.txt for details.

* MIT-style license:

xchg() primitive has been rewritten from scratch starting from atomic_ops 1.2 which has a MIT-style license that is intended to allow use in both free and proprietary software:
http://www.hpl.hp.com/research/linux/atomic_ops/LICENSING.txt

This MIT-style license (BSD like) apply to:

uatomic/gcc.h
uatomic/unknown.h
uatomic/generic.h
uatomic/sparc64.h
uatomic/arm.h
uatomic/ppc.h
uatomic/x86.h
uatomic.h

MIT/X11 (BSD like) license apply to:

compiler.h
arch/s390.h
uatomic/alpha.h
uatomic/mips.h
uatomic/s390.h
Library test code is distributed under the GPLv2 license. See gpl-2.0.txt for license details. See headers of individual files under tests/ for details.

* GPLv3 (or later)

The following build-related macro is under GPLv3 (or later):

m4/ax_tls.m4

1.259 vim 7.4.160 :1.el7_3.1

1.259.1 Available under license :

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Arnaud LE HORS     BULL Research FRANCE -- Koala Project
                   (XPM - X PixMap format version 2 & 3)
                   Internet: lehors@sophia.inria.fr
                   Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
VIM REFERENCE MANUAL  by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
   1) This license text must be included unmodified.
   2) The modified Vim must be distributed in one of the following five ways:
      a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they
The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as unmodified, as mentioned at l). If you make additional changes the text under a) applies to those changes.

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- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the "\:version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==============================================================================

Kibaale Children's Centre	*KCC* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy
with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than
5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.
This will allow for tax deduction if you live in Holland.
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