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Text Part Number: 78EE117C99-1114682684
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized
party saying it may be distributed under the terms of this Library
General Public License (also called "this License"). Each licensee is
addressed as "you".

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

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

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

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

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

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

  a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

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

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

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

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

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the 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) 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.

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
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This library is distributed in the hope that it will be useful,
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MA 02110-1301, USA

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

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

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

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

That's all there is to it!

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
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 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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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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(This file is under construction.)

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m68[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.
The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn’t been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola’s opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.6 nginx 1.18.0-1.el7_7.0atomix1

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1.11 grizzly-servlet-webserver 1.9.8

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

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Appendix: How to Apply These Terms to Your New Programs

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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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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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@end example

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notice like this when it starts in an interactive mode:

@example

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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
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@end example

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Version 2.1, February 1999

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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 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.

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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.)

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
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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.

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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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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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

**TERMS AND CONDITIONS**

0. Definitions.

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extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


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
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"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
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produce the work, or an object code interpreter used to run it.

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work) run the object code and to modify the work, including scripts to
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c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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written offer, valid for at least three years and valid for as
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d) Convey the object code by offering access from a designated
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1.13 kmod 26-1

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1.14 logfmt 0.4.0

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1.15 multipath-tools 0.4.9
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1.19 bcpg-jdk15on 1.61

1.20 util-linux 2.23.2-61.el7

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 */
1.21 asm-tree 5.0.4

1.22 busybox 1.30.1-r4

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1.25 cryptsetup 2.0.3 3.el7

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1.26 zlib 1.2.11-13.el8

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1.27 base-passwd 3.5.46

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1.37 jakarta xml bind api 2.3.2

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1.38 libsolv 0.7.7-1.el8

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1.39 libjpeg-turbo 1.2.90 8.el7

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README for release 6b of 27-Mar-1998

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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
  rdjpgcom, and wrjpcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.
OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs”. This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard".
Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.

(Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision
1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
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send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.
Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of
additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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1.40.1 Available under license:

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* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-jar/io/netty/handler/address/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-jar/io/netty/handler/ssl/KeyManagerFactoryWrapper.java
1.41 less 530-1.el8
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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jar/io/netty/handler/codec/base64/Base64Dialect.java
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jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/DefaultHeadersImpl.java
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java

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  jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
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  jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/DateFormatter.java
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty handler/codec/compression/Crc32.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty handler/codec/compression/Lz4FrameEncoder.java
jar/io/netty/handler/code/ compression/FastLzFrameEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/compression/Bzip2BitReader.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/compression/Bzip2Decoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/compression/Bzip2Rand.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/DecoderResultProvider.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/AsciiHeadersEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2
jar/io/netty/handler/code/MessageAggregationException.java
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/* *
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * *
 * The encoding and decoding algorithm in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
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*/ /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/ByteToMessageCodec.java
*/ /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/base64/Base64Decoder.java
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* A decoder that splits the received `ByteBuf`s dynamically by the
  * value of the length field in the message. It is particularly useful when you
  * decode a binary message which has an integer header field that represents the
  * length of the message body or the whole message.
  * `LengthFieldBasedFrameDecoder` has many configuration parameters so
  * that it can decode any message with a length field, which is often seen in
  * proprietary client-server protocols. Here are some example that will give
  * you the basic idea on which option does what.

  * `2 bytes length field at offset 0, do not strip header`

  * The value of the length field in this example is `12 (0x0C)` which
  * represents the length of "HELLO, WORLD". By default, the decoder assumes
  * that the length field represents the number of the bytes that follows the
  * length field. Therefore, it can be decoded with the simplistic parameter
  * combination.

  * `lengthFieldOffset = 0`
  * `lengthFieldLength = 2`
  * `lengthAdjustment = 0`
  * `initialBytesToStrip = 0 (= do not strip header)`

  * **BEFORE DECODE (14 bytes)**
    * `| Length | Actual Content |----->| Length | Actual Content |`
    * `| 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |`
  * **AFTER DECODE (14 bytes)**

  * `2 bytes length field at offset 0, strip header`

  * Because we can get the length of the content by calling
  * `readableBytes()`, you might want to strip the length
  * field by specifying `initialBytesToStrip`. In this example, we
  * specified `2`, that is same with the length of the length field, to
  * strip the first two bytes.

  * `lengthFieldOffset = 0`
  * `lengthFieldLength = 2`
  * `lengthAdjustment = 0`
  * `initialBytesToStrip = 2 (= the length of the Length field)`

  * **BEFORE DECODE (14 bytes)**
    * `| Length | Actual Content |----->| Length | Actual Content |`
    * `| 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |`
  * **AFTER DECODE (12 bytes)**
In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by lengthAdjustment, we specify lengthAdjustment for compensation.

* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = -2 (= the length of the Length field)
* initialBytesToStrip = 0

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE   | 0x00000C | "HELLO, WORLD" |      | 0xCAFE   | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>

* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

```plaintext
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE   | "HELLO, WORLD" |      | 0x00000C | 0xCAFE   | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

```plaintext
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)

* BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
* +--------------------------+--------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------------------------+--------------------------+
* </pre>

Let's give another twist to the previous example. The only difference from the previous example is that the length field represents the length of the whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>

@see LengthFieldPrepender
*/

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## jopt-simple v5.0.4

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</pre>

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1.47 gophercloud 0.3.0
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Step 5: Writing the Code

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the
[CONTRIBUTING](https://github/CONTRIBUTING.md) guide again as a refresh. Notably
the [Getting Started](https://github/CONTRIBUTING.md#getting-started) section will
help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples
of similar implementations. It would be a _very_ rare occurrence for you
to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests
----------------------

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* [https://github.com/gophercloud/gophercloud/pull/584](https://github.com/gophercloud/gophercloud/pull/584)
* [https://github.com/gophercloud/gophercloud/pull/586](https://github.com/gophercloud/gophercloud/pull/586)
* [https://github.com/gophercloud/gophercloud/pull/587](https://github.com/gophercloud/gophercloud/pull/587)
* [https://github.com/gophercloud/gophercloud/pull/594](https://github.com/gophercloud/gophercloud/pull/594)

You can also use the provided [template](/docs/contributor-tutorial/template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.
### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request
---------------------------------

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests
----------------------------------
If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```shell
```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child
Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

package testing

```go
import (
    "testing"
    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/pagination"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.Tear downHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        return true, nil
    })
    if err != nil {
        t.Errorf("Failed to list resources: %v", err)
    }
    t.Logf("Listed %d resources", count)
```
actual, err := resources.ExtractResources(page)
th.AssertNoErr(t, err)

th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)

return true, nil
})
th.AssertNoErr(t, err)

th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleListResourcesSuccessfully(t)

allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
th.AssertNoErr(t, err)
actual, err := resources.ExtractResources(allPages)
th.AssertNoErr(t, err)

th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleGetResourceSuccessfully(t)

actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
th.AssertNoErr(t, err)

}

func TestCreateResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleCreateResourceSuccessfully(t)

createOpts := resources.CreateOpts{
Name: "resource two",
}

actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
th.AssertNoErr(t, err)

}

func TestDeleteResource(t *testing.T) {
th.SetupHTTP()
defer th.TeardownHTTP()
HandleDeleteResourceSuccessfully(t)

res := resources.Delete(client.ServiceClient(), "9fe1d3")
th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
defer th.TeardownHTTP()
HandleUpdateResourceSuccessfully(t)

    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}
// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"
            Previous string `json:"previous"
        } `json:"links"
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"
    }
    err := r.ExtractInto(&s)
    return s.Resources, err
}
// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}

Step 3: Code Hunting
====================

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example:
In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```go
type Network struct {
    ID           string   `json:"id"
    Name         string   `json:"name"
    AdminStateUp bool     `json:"admin_state_up"
    Status       string   `json:"status"
    Subnets      []string `json:"subnets"
    TenantID     string   `json:"tenant_id"
    Shared       bool     `json:"shared"
}
```

... to look like

```go
type Network struct {
    ID           string   `json:"id"
    Name         string   `json:"name"
    AdminStateUp bool     `json:"admin_state_up"
    Status       string   `json:"status"
    Subnets      []string `json:"subnets"
    TenantID     string   `json:"tenant_id"
    Shared       bool     `json:"shared"
    AvailabilityZoneHints []string `json:"availability_zone_hints"
}
```
We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying that the API docs aren't useful or that the contributors who work on the API docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Code Hunting Tips
------------------
OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

Step 1: Read Our Guides

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
  return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
  return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
  return client.ServiceURL("resource")
}
```
func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

Contributor Tutorial
====================

This tutorial is to help new contributors become familiar with the processes used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

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Step 6: Code Review

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `@[wip]` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

```travis

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all
of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).

Request a Code Review

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used.

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.
It's Never Personal
-------------------

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

`/*

Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE
Step 2: Create an Issue

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
Feature Request

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is to start a discussion about whether or not the feature should be included in Gophercloud. We don't want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this
can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.
An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

Step 4: Acceptance Testing

If we haven’t started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don’t have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you’ve confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

Step 7: Congratulations!

At this point your code is merged and you’ve either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You’ve made Gophercloud a better project with your work.

package testing

import (
"fmt"
"net/http"
"testing"

"github.com/gophercloud/gophercloud/openstack/service/vN/resources"
"github.com/gophercloud/gophercloud/testhelper"
"github.com/gophercloud/gophercloud/testhelper/client"

// ListResult provides a single page of RESOURCE results.
const ListResult = `
{
}
`

// GetResult provides a Get result.
const GetResult = `
{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `
{
}
`

// UpdateRequest provides the input to as Update request.
const UpdateRequest = `
{
}
`

// UpdateResult provides an update result.
const UpdateResult = `
{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }
// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, ListResult)
    })
}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "POST")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, CreateRequest)

        w.WriteHeader(http.StatusCreated)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {

th.TestMethod(t, r, "DELETE")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.WriteHeader(http.StatusNoContent)
})

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.TestMethod(t, r, "PATCH")
    th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
    th.TestJSONRequest(t, r, UpdateRequest)
    w.WriteHeader(http.StatusOK)
    fmt.Fprintf(w, UpdateResult)
})

package RESOURCE

import {
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
}

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
    ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return
        }
    }

    return
}
return pagination.Pager{Err: err}
}
url += query
return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
})

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
_.r.Err = client.Get(getURL(client, id), &r.Body, nil)
return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
b, err := opts.ToResourceCreateMap()
if err != nil {
   r.Err = err
return
}
_.r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
OkCodes: []int{201},
})
return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
_.r.Err = client.Delete(deleteURL(client, id), nil)
return
}
// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
    // ToUpdateCreateMap formats a UpdateOpts into an update request.
    func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
        return gophercloud.BuildRequestBody(opts, "resource")
    }

    // Update modifies the attributes of a RESOURCE.
    func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
        b, err := opts.ToResourceUpdateMap()
        if err != nil {
            r.Err = err
            return
        }
        _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
            OkCodes: []int{200},
        })
        return
    }
}

1.48 open-iscsi 2.1.2
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* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-
  jar/io/undertow/websockets/jsr/handshake/ExchangeHandshakeRequest.java
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  jar/io/undertow/websockets/jsr/WebSocketDeploymentInfo.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-
  jar/io/undertow/websockets/jsr/handshake/JsrHybi13Handshake.java
* /opt/cola/permits/1102171961_1603488081.15/0/undertow-websockets-jsr-2-0-26-final-sources-
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  jar/io/undertow/websockets/jsr/WebsocketClientSslProvider.java
1.57 log-rotate 3.8.6-17.el7

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Sure. I think there’s a later copy in
~/ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
evil fros in that file.

It should serve as a pretty good example of how to get carried away. :-)
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

``The lyf so short, the craft so long to lerne.'' - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

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 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
 *
 * <h3>Sub-types</h3>
 * <p>
 * [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 */
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events.</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* </p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
* *
* <h3>State management</h3>
* </p>
* A {@link ChannelHandler} often needs to store some stateful information.
The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*   // your methods here
* }
* 
* public class DataServerHandler extends SimpleChannelInboundHandler&lt;Message&gt; {
*   
*   private boolean loggedIn;
*   
*   @code @Override
*   public void channelRead0(@ChannelHandlerContext ctx, Message message) {
*     if (message instanceof LoginMessage) {
*       authenticate((LoginMessage) message);
*       loggedIn = true;
*     } else (message instanceof GetDataMessage) {
*       if (loggedIn) {
*         ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*       } else {
*         fail();
*     }
*   }
* </pre>
* Because the handler instance has a state variable which is dedicated to
  * one connection, you have to create a new handler instance for each new
  * channel to avoid a race condition where a unauthenticated client can get
  * the confidential information:
  * <pre>
  * // Create a new handler instance per channel.
  * // See {@link ChannelInitializer#initChannel(Channel)}.
  * public class DataServerInitializer extends {@link ChannelInitializer}@{Channel}@{&lt;@link Channel}@{&gt;}@{ }
  * {@code @Override}
  * public void initChannel(@link Channel channel) {
  *     channel.pipeline().addLast("handler", @b>new DataServerHandler(@/b>&amp;@/@&gt;);
  * }
  * }
  * </pre>
  *
  * <h4>Using{@link AttributeKey}s</h4>
  *
  * Although it’s recommended to use member variables to store the state of a
  * handler, for some reason you might not want to create many handler instances.
  * In such a case, you can use{@link AttributeKey}s which is provided by
  * {@link ChannelHandlerContext}:
  * <pre>
  * public interface Message {
  *     // your methods here
  * }
  *
  * {@code @Sharable}
  * public class DataServerHandler extends {@link SimpleChannelInboundHandler}@&lt;Message&gt;@{ }
  * {@link AttributeKey}@{&amp;lt}@{AttributeKey}@{&gt;}@{ &amp;link Boolean}@{&amp;gt;}@{ auth =
  *     { AttributeKey.valueOf(String) AttributeKey.valueOf("auth")};
  * }
  * {@code @Override}
  * public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
  *     { Attribute}@{&amp;lt}@{Attribute}@{&amp;gt;}@{ attr = ctx.attr(auth);
  *     if (message instanceof LoginMessage) {
  *         authenticate((LoginMessage) o);
  *         &lt;b&gt;attr.set(true)&lt;/b&gt;;
  *     } else (message instanceof GetDataMessage) {
  *         if (&lt;b&gt;Boolean.TRUE.equals(attr.&gt;&amp;gt();
  *             ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
  *         } else {
  *             fail();
  *     }
  * }
  * </pre>
  *
Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```

The `@Sharable` annotation

In the example above which used an `AttributeKey`, you might have noticed the `@Sharable` annotation. If a `ChannelHandler` is annotated with the `@Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `ChannelPipeline`s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Additional resources worth reading

Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.
jar/io/netty/channel/ChannelHandler.java

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1.76 dash 0.5.10.2 5
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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.79 moby 1.4.2-0.20191219165747-a9416c67da9f

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

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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-->

<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>

<xsl:variable name="isc.copyright.text">
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  LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
  OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
  PERFORMANCE OF THIS SOFTWARE.
</xsl:variable>

<xsl:variable name="isc.copyright"/>

<xsl:variable name="isc.copyright"/>

<xsl:variable name="isc.copyright"/>

<xsl:variable name="isc.copyright"/>

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1.82 mnuralp-fileutils 0.4.0

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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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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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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
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Gocheck - A rich testing framework for Go

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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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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1.112 resourcelocator 1.0.1

1.113 google-api-go-client 0.29.0

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package api

import {
  "bytes"
  "io/ioutil"
  "os"
  "path/filepath"
  "regexp"
  "testing"
}

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC\d The Go Authors)(\(\d\) All rights reserved\(,\)\))*
  (//|#) Use of this source code is governed by a BSD-style
  (//|#) license that can be found in the LICENSE file.

const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
  "tools.go": true, // This file requires another comment above the license.
  "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
  "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if skip[path] {
      return nil
    }
    if err != nil {
      return err
    }
    if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
      return nil
    }
  })
}
package main

import (
    "errors"
    "ioutil"
    "path"
    "testing"
)

var prefix = []byte("Copyright (C) 2015 The Software Foundation, Inc."

func main() {
    src, err := ioutil.ReadFile(path)
    if err != nil {
        return nil
    }

    // Verify that the license is matched.
    if !sentinel.Match(src) {
        t.Errorf("%v: license header not present", path)
        return nil
    }

    // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
    if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix))) {
        t.Errorf("%v: license header not at the top", path)
    }
    return nil
}

1.114 grep 2.20 2.el7
1.114.1 Available under license:

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty: and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the 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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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.

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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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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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That's all there is to it!

1.122 findutils 4.6.0+git+20190209 2
1.122.1 Available under 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.

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### 1.123 sprig 0.1

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

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Gocheck - A rich testing framework for Go

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1.137 pciutils 3.5.1-3.el7
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1.138 debianutils 4.4+b1
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1.139 jaxb-api 2.1

1.140 spring-boot 2.2.6.RELEASE

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 */
/**
 * A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
 * [@link ServletWebServerFactory] bean.
 * <p>
 * This context will create, initialize and run an [@link WebServer] by searching for a
 * single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
 * itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * <p>
* In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.
* *
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
  jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java
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* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
  jar/org/springframework/boot/web/context/ConfigurableWebServerApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/logging/LoggingSystem.java
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* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/env/YamlPropertySourceLoader.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/ansi/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/context/TypeExcludeFilter.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/web/embedded/undertow/FileSessionPersistence.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/context/properties/bind/validation/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/cloud/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/context/event/ApplicationFailedEvent.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/jackson/JsonObjectDeserializer.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/info/GitProperties.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/jta/atomikos/AtomikosConnectionFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/web/reactive/error/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/web/embedded/tomcat/LazySessionIdGenerator.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/web/reactive/context/AnnotationConfigReactiveWebServerApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources.jar/org/springframework/boot/web/servlet/FilterRegistrationBean.java
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* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/diagnostics/analyzer/ValidationExceptionFailureAnalyzer.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/jta/bitronix/PoolingDataSourcePoolMetadata.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/context/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/web/context/properties/bind/validation/ValidationBindHandler.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/web/embedded/undertow/SslBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/web/server/SslConfigurationValidator.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/context/properties/source/InvalidConfigurationPropertyNameException.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/web/servlet/view/MustacheView.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/web/context/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/jdbc/metadata/TomcatDataSourcePoolMetadata.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/diagnostics/analyzer/BeanCurrentlyInCreationFailureAnalyzer.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/web/servlet/filter/OrderedFormContentFilter.java

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* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-jar/org/springframework/boot/jta/bitronix/PoolingDataSourcePoolMetadata.java
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* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
jar/org/springframework/boot/web/embedded/tomcat/TomcatReactiveWebServerFactory.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
jar/org/springframework/boot/web/reactive/error/DefaultErrorAttributes.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
jar/org/springframework/boot/context/properties/bind/DataObjectPropertyName.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
jar/org/springframework/boot/context/properties/bind/NoUnboundElementsBindHandler.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
jar/org/springframework/boot/web/embedded/netty/SslServerCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068412502_1594396012.19/0/spring-boot-2-2-6-release-sources-
jar/org/springframework/boot/system/ApplicationHome.java
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1.141 netty-transport-native-epoll 4.1.45.Final

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 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4.1.45-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/Epoll.java
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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-
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  jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-
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/**
 * Set the {code TCP_MD5SIG} option on the socket. See {code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a> for more details.
 */

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1.142 jackson-module-parameter-names 2.9.9

1.143 libffi 3.2.1 9

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1.144 libxtst 1.2.3-1.el7

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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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1.153 rdma-cm 1.0.21

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1.157 coreutils 8.22-15.el7_2.1

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.163 findutils 4.6.0-20.el8

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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
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operating system on which the executable runs, unless that component
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1.170 procps 3.3.15
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org
for the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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2.2 and above  2.1.1  2001-now  PSF  yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
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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.

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

That's all there is to it!

1.182 jsr305 3.0.2

1.183 gonum-blas 0.1

1.183.1 Available under license:
No license file was found, but licenses were detected in source scan.

From e5a63c34a5c71fca25ae49a326c129fabaab8a3e Mon Sep 17 00:00:00 2001
From: Jan Chaloupka <jchaloup@redhat.com>
Date: Thu, 8 Oct 2015 13:40:35 +0200
Subject: [PATCH] add license

---
LICENSE | 23 ++++++++++++++++++++++++
1 file changed, 23 insertions(+)
create mode 100644 LICENSE

diff --git a/LICENSE b/LICENSE
new file mode 100644
index 0000000..76edf5e
--- /dev/null
+++ b/LICENSE
@@ -0,0 +1,23 @@
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No newline at end of file
--
1.9.3

Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/add-license.patch
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229cccc259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229cccc259b550ae3f755cf79c65a224/cgo/genBlas.pl
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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dca99229cccc259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229cccc259b550ae3f755cf79c65a224/cgo/blas.go
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/single_precision
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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIKm/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNiT3Kz/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/doc.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIKm/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/cgo/doc.go
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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIKm/golang-github-gonum-blas.spec
No license file was found, but licenses were detected in source scan.

From a4d3ca0439cb62fe7110b0923e7f3e5186f38808 Mon Sep 17 00:00:00 2001
From: Jan Chaloupka <jchaloup@redhat.com>
Date: Thu, 8 Oct 2015 13:43:40 +0200
Subject: [PATCH] internal to inteernal

---
native/dgemm.go | 2 +-  
native/general_single.go | 2 +-  
native/internal/math32/math.go | 113 +++++++++++++++++++  
native/internal/math32/math_test.go | 226 +++++++++++++++++++++++++++++++++++  
native/internal/math32/sqrt.go | 25 ++++  
native/internal/math32/sqrt_amd64.go | 20 +++  
native/internal/math32/sqrt_amd64.s | 20 +++  
native/internal/math32/math.go | 113 --------------  
native/internal/math32/math_test.go | 226 ------------------------  
native/internal/math32/sqrt.go | 25 ----  
native/internal/math32/sqrt_amd64.go | 20 ---  
native/internal/math32/sqrt_amd64.s | 20 ---  
native/level1double.go | 2 +-  
native/level1double_ddot.go | 2 +-  
native/level1single.go | 4 +-  
native/level1single_dsdot.go | 2 +-  
native/level1single_sdot.go | 2 +-
Open Source Used In APIC-SE-BATMAN v2.0.1 2246

native/level1single_sdsdot.go | 2 +- 
native/level2double.go | 2 +- 
native/level2single.go | 2 +- 
native/level3double.go | 2 +- 
native/level3single.go | 2 +- 
native/gemm.go | 2 +- 
23 files changed, 418 insertions(+), 418 deletions(-)
create mode 100644 native/inteernal/math32/math.go
create mode 100644 native/inteernal/math32/math_test.go
create mode 100644 native/inteernal/math32/sqrt.go
create mode 100644 native/inteernal/math32/sqrt_amd64.go
create mode 100644 native/inteernal/math32/sqrt_amd64.s
delete mode 100644 native/internal/math32/math.go
delete mode 100644 native/internal/math32/math_test.go
delete mode 100644 native/internal/math32/sqrt.go
delete mode 100644 native/internal/math32/sqrt_amd64.go
delete mode 100644 native/internal/math32/sqrt_amd64.s

diff --git a/native/dgemm.go b/native/dgemm.go
index 850f62c..8dc9920 100644
--- a/native/dgemm.go
+++ b/native/dgemm.go
@@ -10,7 +10,7 @@ import (
    "sync"
    "github.com/gonum/blas"
    "github.com/gonum/internal/asm"
++ "github.com/gonum/inteernal/asm"
)

// Dgemm computes

diff --git a/native/general_single.go b/native/general_single.go
index bf648e5..8406d77 100644
--- a/native/general_single.go
+++ b/native/general_single.go
@@ -9,7 +9,7 @@ package native
import (  "errors"
    "fmt"
    -math "github.com/gonum/blas/native/internal/math32"
+math "github.com/gonum/blas/native/inteernal/math32"
)

func newGeneral32(r, c int) general32 {

diff --git a/native/inteernal/math32/math.go b/native/inteernal/math32/math.go
new file mode 100644
index 0000000..b33401b
--- /dev/null
+++ b/native/inteernal/math32/math.go
@@ -0,0 +1,113 @@
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+
+// Package math32 provides float32 versions of standard library math package
+// routines used by gonum/blas/native.
+package math32
+
+import (  
+    "math"
+)
+
+const (  
+    unan    = 0x7fc00000
+    uinf    = 0x7f800000
+    uneginf = 0xff800000
+    mask    = 0x7f8 >> 3
+    shift   = 32 - 8 - 1
+    bias    = 127
+)
+
+// Abs returns the absolute value of x.
+//
+// Special cases are:
+//
+// Abs(Inf) = +Inf
+// Abs(NaN) = NaN
+//
+func Abs(x float32) float32 {  
+    switch {  
+    case x < 0:  
+        return -x
+    case x == 0:  
+        return 0 // return correctly abs(-0)
+    }  
+    return x  
+}
+
+// Copysign returns a value with the magnitude
+// of x and the sign of y.
+func Copysign(x, y float32) float32 {  
+    const sign = 1 << 31
+    return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
+}
+// Hypot returns Sqrt(p*p + q*q), taking care to avoid
+// unnecessary overflow and underflow.
+//
+// Special cases are:
+// Hypot(Inf, q) = +Inf
+// Hypot(p, Inf) = +Inf
+// Hypot(NaN, q) = NaN
+// Hypot(p, NaN) = NaN
+func Hypot(p, q float32) float32 {
+// special cases
+switch {
+case IsInf(p, 0) || IsInf(q, 0):
+return Inf(1)
+case IsNaN(p) || IsNaN(q):
+return NaN()
+}
+if p < 0 {
+p = -p
+}
+if q < 0 {
+q = -q
+}
+if p < q {
+p, q = q, p
+}
+if p == 0 {
+return 0
+}
+q = q / p
+return p * Sqrt(1+q*q)
+
+// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
+func Inf(sign int) float32 {
+var v uint32
+if sign >= 0 {
+v = uinf
+} else {
+v = uneginf
+}
+return math.Float32frombits(v)
+}
+
+// IsInf reports whether f is an infinity, according to sign.
+// If sign > 0, IsInf reports whether f is positive infinity.
+// If sign < 0, IsInf reports whether f is negative infinity.
+// If sign == 0, IsInf reports whether f is either infinity.
+func IsInf(f float32, sign int) bool {
    +// Test for infinity by comparing against maximum float.
    +// To avoid the floating-point hardware, could use:
    +//x := math.Float32bits(f);
    +//return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
    +return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
    +}
    +
    +// IsNaN reports whether f is an IEEE 754 `not-a-number` value.
    +func IsNaN(f float32) (is bool) {
    +    // IEEE 754 says that only NaNs satisfy f != f.
    +    // To avoid the floating-point hardware, could use:
    +    //x := math.Float32bits(f);
    +    //return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
    +    return f != f
    +}
    +
    +// NaN returns an IEEE 754 `not-a-number` value.
    +func NaN() float32 { return math.Float32frombits(unan) }
}

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// license that can be found in the LICENSE file.
+
+package math32
+
+import (
+    "math"
+    "testing"
+    "testing/quick"
+    "github.com/gonum/floats"
+)
+
+const tol = 1e-7
+
+func TestAbs(t *testing.T) {
+    f := func(x float32) bool {
+        y := Abs(x)
+        return y == float32(math.Abs(float64(x)))
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+func TestCopySign(t *testing.T) {
    +f := func(x struct{ X, Y float32 }) bool {
        +y := Copysign(x.X, x.Y)
        +return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
    +}
    +if err := quick.Check(f, nil); err != nil {
        +t.Error(err)
    +}
    +}
    +}
    +
    +func TestHypot(t *testing.T) {
        +f := func(x struct{ X, Y float32 }) bool {
            +y := Hypot(x.X, x.Y)
            +if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
                +return true
            +}
            +return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
        +}
        +if err := quick.Check(f, nil); err != nil {
            +t.Error(err)
        +}
        +}
        +}
    +
    +func TestInf(t *testing.T) {
        +if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
            +t.Error("float32(inf) not infinite")
        +}
        +}
        +
        +func TestIsInf(t *testing.T) {
            +posInf := float32(math.Inf(1))
            +negInf := float32(math.Inf(-1))
            +if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
                +t.Error("unexpected isInf value")
            +}
            +}
            +
            +func TestPow(t *testing.T) {
                +f := func(x struct{ X, Y float32 }) bool {
                    +y := math.Pow(float64(x.X), float64(x.Y))
                    +return y == float32(math.Pow(float64(x.X), float64(x.Y)))
                +}
                +if err := quick.Check(f, nil); err != nil {
                    +t.Error(err)
                +}
                +}
                +
                +func TestSqrt(t *testing.T) {
                    +f := func(x struct{ X, Y float32 }) bool {
                        +y := math.Sqrt(float64(x.X))
                        +return y == float32(math.Sqrt(float64(x.X)))
                    +}
                    +if err := quick.Check(f, nil); err != nil {
                        +t.Error(err)
                    +}
                    +}
                    +
                    +func TestTan(t *testing.T) {
                        +f := func(x struct{ X, Y float32 }) bool {
                            +y := math.Tan(float64(x.X))
                            +return y == float32(math.Tan(float64(x.X)))
                        +}
                        +if err := quick.Check(f, nil); err != nil {
                            +t.Error(err)
                        +}
                        +}
                        +
                        +}
func TestIsNaN(t *testing.T) {
    f := func(x float32) bool {
        y := IsNaN(x)
        return y == math.IsNaN(float64(x))
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

func TestNaN(t *testing.T) {
    if !math.IsNaN(float64(NaN())) {
        t.Errorf("float32(nan) is a number: %f", NaN())
    }
}

func TestSqrt(t *testing.T) {
    f := func(x float32) bool {
        y := Sqrt(x)
        if IsNaN(y) && IsNaN(sqrt(x)) {
            return true
        }
        return floats.EqualWithinRel(float64(y), float64(sqrt(x)), tol)
    }
    if err := quick.Check(f, nil); err != nil {
        t.Error(err)
    }
}

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// The original C code and the long comment below are
// from FreeBSD's /usr/src/lib/msun/src/e_sqrt.c and
// came with this notice. The go code is a simplified
// version of the original C.

// ====================================================
// Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.
// Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.
// ====================================================
+// __ieee754_sqrt(x)
+// Return correctly rounded sqrt.
+// -----------------------------
+// | Use the hardware sqrt if you have one |
+// -----------------------------
+// Method:
+// Bit by bit method using integer arithmetic. (Slow, but portable)
+// 1. Normalization
+// Scale x to y in [1,4) with even powers of 2:
+// find an integer k such that 1 <= (y=x*2**(2k)) < 4, then
+// sqrt(x) = 2**k * sqrt(y)
+// 2. Bit by bit computation
+// Let q = sqrt(y) truncated to i bit after binary point (q = 1),
+// i  0
+// i+1  2
+// s = 2*q , and  y = 2 * ( y - q ). (1)
+// i  i  i  i
+// To compute q from q, one checks whether
+// i+1  i
+// -(i+1) 2
+// (q + 2 ) <= y. (2)
+// i
+// -(i+1)
+// If (2) is false, then q = q ; otherwise q = q + 2 .
+// i+1  i  i+1  i
+// With some algebraic manipulation, it is not difficult to see
+// that (2) is equivalent to
+// -(i+1)
+// s + 2 <= y (3)
+// i  i
+// The advantage of (3) is that s and y can be computed by
+// i  i
+// the following recurrence formula:
+// if (3) is false
+// s = s , y = y ; (4)
+// i+1  i  i+1  i
+// otherwise,
+// -(i+1)
+// s = s + 2 , y = y - s - 2 (5)
+// i+1  i  i+1  i  i
One may easily use induction to prove (4) and (5).

Note. Since the left hand side of (3) contain only i+2 bits, it does not necessary to do a full (53-bit) comparison in (3).

3. Final rounding

After generating the 53 bits result, we compute one more bit. Together with the remainder, we can decide whether the result is exact, bigger than 1/2ulp, or less than 1/2ulp (it will never equal to 1/2ulp).

The rounding mode can be detected by checking whether huge + tiny is equal to huge, and whether huge - tiny is equal to huge for some floating point number "huge" and "tiny".

```go
func sqrt(x float32) float32 {
    // special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }

    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&1<<shift == 0 {
            ix <<= 1
            exp--
        }
        exp++
    }
    exp -= bias // unbias exponent
    t := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
    for r != 0 {
        t := s + r
        if t <= ix {
            s = t + r
            ix -= t
            q += r
        } else {
            return NaN()
        }
    }

    return q + r
}
```
+ix <<= 1
+r >>= 1
+
+// final rounding
+if ix != 0 { // remainder, result not exact
+q += q & 1 // round according to extra bit
+}
+ix = q>>1 + uint32(exp-1+.bias)<<shift // significand + biased exponent
+return math.Float32frombits(ix)
+
diff --git a/native/inteernal/math32/sqrt.go b/native/inteernal/math32/sqrt.go
new file mode 100644
index 0000000..058b731
--- /dev/null
+++ b/native/inteernal/math32/sqrt.go
@@ -0,0 +1,25 @@
+// Copyright 2015 The gonum Authors. All rights reserved.
+// Use of this source code is governed by a BSD-style
+// license that can be found in the LICENSE file.
+
+//+build !amd64 noasm
+
+package math32
+
+import (
+
+"math"
+
+)+
+
+// Sqrt returns the square root of x.
+//
+// Special cases are:
+// Sqrt(+Inf) = +Inf
+// Sqrt(0) = 0
+// Sqrt(x < 0) = NaN
+// Sqrt(NaN) = NaN
+func Sqrt(x float32) float32 {
+//FIXME(kortschak): Direct translation of the math package
+// asm code for 386 fails to build. No test hardware is available
+// for arm, so using conversion instead.
+return float32(math.Sqrt(float64(x)))
+
}
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+
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// license that can be found in the LICENSE file.
+
//+build !noasm
+
+package math32
+
+// Sqrt returns the square root of x.
+//
+// Special cases are:
+// Sqrt(+Inf) = +Inf
+// Sqrt(0) = 0
+// Sqrt(x < 0) = NaN
+// Sqrt(NaN) = NaN
+func Sqrt(x float32) float32

diff --git a/native/internal/math32/sqrt_amd64.s b/native/internal/math32/sqrt_amd64.s
new file mode 100644
index 0000000..595ce5d
--- /dev/null
+++ b/native/internal/math32/sqrt_amd64.s
@@ -0,0 +1,20 @@
+// Copyright 2009 The Go Authors. All rights reserved.
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+// license that can be found in the LICENSE file.
+
+// Copyright 2015 The gonum Authors. All rights reserved.
+// Use of this source code is governed by a BSD-style
+// license that can be found in the LICENSE file.
+
+//+build !noasm
+
+// TODO(kortschak): use textflag.h after we drop Go 1.3 support
+/#include "textflag.h"
+// Don't insert stack check preamble.
+#define NOSPLIT4
+
+// func Sqrt(x float32) float32
+TEXT Sqrt(SB),NOSPLIT,$0
+SQRΤSS x+0(FP), X0
+MOVSS X0, ret+8(FP)
+RET

diff --git a/native/internal/math32/math.go b/native/internal/math32/math.go
deleted file mode 100644
// Copyright 2009 The Go Authors. All rights reserved.
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// license that can be found in the LICENSE file.
-
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// Use of this source code is governed by a BSD-style
// license that can be found in the LICENSE file.
-
// Package math32 provides float32 versions of standard library math package
// routines used by gonum/blas/native.
package math32
-
-import (  
-"math"
-)
-
-const (  
-unan = 0x7fc00000  
-uinf = 0x7f800000  
-uneginf = 0xff800000  
-mask = 0x7f8 >>> 3  
-shift = 32 - 8 - 1  
-bias = 127  
-)
-
-// Abs returns the absolute value of x.
-// Special cases are:
-// Abs(Inf) = +Inf
-// Abs(NaN) = NaN

func Abs(x float32) float32 {  
-switch {  
-case x < 0:  
-return -x  
-case x == 0:  
-return 0 // return correctly abs(-0)  
-}  
-return x  
-}
-
-// Copysign returns a value with the magnitude
-// of x and the sign of y.

func Copysign(x, y float32) float32 {  
-const sign = 1 << 31
-return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
-
-
-// Hypot returns Sqrt(p*p + q*q), taking care to avoid
-// unnecessary overflow and underflow.
-/
-// Special cases are:
-//Hypot(Inf, q) = +Inf
-//Hypot(p, Inf) = +Inf
-//Hypot(NaN, q) = NaN
-//Hypot(p, NaN) = NaN
-func Hypot(p, q float32) float32 {
-// special cases
-switch {
-\case IsInf(p, 0) || IsInf(q, 0):
-\return Inf(1)
-\case IsNaN(p) || IsNaN(q):
-\return NaN()
-}
-\if p < 0 {
-\p = -p
-}
-\if q < 0 {
-\q = -q
-}
-\if p < q {
-\p, q = q, p
-}
-\if p == 0 {
-\return 0
-}
-\q = q / p
-\return p * Sqrt(1+q*q)
-}
-
-// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
-func Inf(sign int) float32 {
-\var v uint32
-\if sign >= 0 {
-\v = uinf
-} else {
-\v = uneginf
-}
-\return math.Float32frombits(v)
-}
-
-// IsInf reports whether f is an infinity, according to sign.
-// If sign > 0, IsInf reports whether f is positive infinity.
-// If sign < 0, IsInf reports whether f is negative infinity.
-// If sign == 0, IsInf reports whether f is either infinity.
-func IsInf(f float32, sign int) bool {
  -// Test for infinity by comparing against maximum float.
-// To avoid the floating-point hardware, could use:
-//x := math.Float32bits(f);
-//return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
-return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
-}
-// IsNaN reports whether f is an IEEE 754 ``not-a-number'' value.
-func IsNaN(f float32) (is bool) {
  -// IEEE 754 says that only NaNs satisfy f != f.
-// To avoid the floating-point hardware, could use:
-//x := math.Float32bits(f);
-//return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
-return f != f
-}
-// NaN returns an IEEE 754 ``not-a-number'' value.
-func NaN() float32 { return math.Float32frombits(unan) }
diff --git a/native/internal/math32/math_test.go b/native/internal/math32/math_test.go
deleted file mode 100644
index f068927..0000000
--- a/native/internal/math32/math_test.go
+++ /dev/null
@@ -1,226 +0,0 @@
-// Copyright 2015 The gonum Authors. All rights reserved.
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-// license that can be found in the LICENSE file.
-
-package math32
-
-import (     
-"math"
-"testing"
-"testing/quick"
-
-"github.com/gonum/floats"
-)
-
-const tol = 1e-7
-
-func TestAbs(t *testing.T) {
-  -f := func(x float32) bool {
-  -y := Abs(x)
-  -return y == float32(math.Abs(float64(x)))
-  -}
-if err := quick.Check(f, nil); err != nil {
  t.Error(err)
-}
-
-
-func TestCopySign(t *testing.T) {
-  f := func(x struct{ X, Y float32 }) bool {
-    y := Copysign(x.X, x.Y)
-    return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
-  }
-  if err := quick.Check(f, nil); err != nil {
-    t.Error(err)
-  }
-}
-
-
-func TestHypot(t *testing.T) {
-  f := func(x struct{ X, Y float32 }) bool {
-    y := Hypot(x.X, x.Y)
-    if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
-      return true
-    }
-    return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
-  }
-  if err := quick.Check(f, nil); err != nil {
-    t.Error(err)
-  }
-}
-
-
-func TestInf(t *testing.T) {
-  if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
-    t.Error("float32(inf) not infinite")
-  }
-}
-
-
-func TestIsInf(t *testing.T) {
-  posInf := float32(math.Inf(1))
-  negInf := float32(math.Inf(-1))
-  if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
-    t.Error("unexpected isInf value")
-  }
-  }
-}
-
-
...
__ieee754_sqrt(x)

Return correctly rounded sqrt.

| Use the hardware sqrt if you have one |

Method:

Bit by bit method using integer arithmetic. (Slow, but portable)

1. Normalization

find an integer k such that 1 <= (y=x*2**(2k)) < 4, then

```
sqrt(x) = 2**k * sqrt(y)
```

2. Bit by bit computation

Let q = sqrt(y) truncated to i bit after binary point (q = 1),

```
i
i+1
```

```
+2
```

```
i
i
```

```
+2
```

s = 2*q , and  y = 2 * ( y - q ).  (1)

To compute q from q , one checks whether

```
i+1
i
```

```
-(i+1)
```

```
2
```

```
i
```

```
-(i+1)
```

If (2) is false, then q = q ; otherwise q = q + 2 .

```
i+1
i+1
```

With some algebraic manipulation, it is not difficult to see

that (2) is equivalent to

```
-(i+1)
```

```
i
```

```
-(i+1)
```

The advantage of (3) is that s and y can be computed by

```
i
i
```

the following recurrence formula:

if (3) is false

```
i+1
i+1
```

otherwise,

```
i
```

```
-(i+1)
```

```
i+1
```

```
s = s + 2 , y = y - s - 2    (5)
```

---

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One may easily use induction to prove (4) and (5). Note. Since the left hand side of (3) contain only i+2 bits, it does not necessary to do a full (53-bit) comparison in (3).

3. Final rounding

After generating the 53 bits result, we compute one more bit. Together with the remainder, we can decide whether the result is exact, bigger than 1/2ulp, or less than 1/2ulp. The rounding mode can be detected by checking whether huge + tiny is equal to huge, and whether huge - tiny is equal to huge for some floating point number "huge" and "tiny".

```go
func sqrt(x float32) float32 {
    // special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }
    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&1<<shift == 0 {
            ix <<= 1
            exp--
        }
        exp++
    }
    exp -= bias // unbias exponent
    ix &^= mask << shift
    if exp&1 == 1 { // odd exp, double x to make it even
        ix <<= 1
    }
    exp >>= 1 // exp = exp/2, exponent of square root
    // generate sqrt(x) bit by bit
    ix <<= 1
    var q, s uint32 // q = sqrt(x)
    r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
    for r != 0 {
        t := s + r
        if t <= ix {
            s = t + r
        }
    }
    return float32(q)
}
```
```go
-ix -= t
-q += r
-
-ix <<= 1
-r >>= 1
-
-// final rounding
-if ix != 0 { // remainder, result not exact
-  q += q & 1 // round according to extra bit
-
-  ix = q>>1 + uint32(exp-1+.bias)>>shift // significand + biased exponent
-  return math.Float32frombits(ix)
-}
-diff --git a/native/internal/math32/sqrt.go b/native/internal/math32/sqrt.go
-deleted file mode 100644
-index 058b731..0000000
--- a/native/internal/math32/sqrt.go
+++ /dev/null
@@ -1,25 +0,0 @@
-// Copyright 2015 The gonum Authors. All rights reserved.
-// Use of this source code is governed by a BSD-style
-// license that can be found in the LICENSE file.
-
-/+build !amd64 noasm
-
-package math32
-
-import (  
-"math"
-)
-
-// Sqrt returns the square root of x.
-//
-// Special cases are:
-// Sqrt(+Inf) = +Inf
-// Sqrt(0) = 0
-// Sqrt(x < 0) = NaN
-// Sqrt(NaN) = NaN
-func Sqrt(x float32) float32 {
-  // FIXME(kortschak): Direct translation of the math package
-  // asm code for 386 fails to build. No test hardware is available
-  // for arm, so using conversion instead.
-  return float32(math.Sqrt(float64(x)))
-}
-diff --git a/native/internal/math32/sqrt_amd64.go b/native/internal/math32/sqrt_amd64.go
-deleted file mode 100644
-index ca11639..0000000
--- a/native/internal/math32/sqrt_amd64.go
```

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// Sqrt returns the square root of x.
//
// Special cases are:
//-Sqrt(+Inf) = +Inf
//-Sqrt(0) = 0
//-Sqrt(x < 0) = NaN
//-Sqrt(NaN) = NaN
func Sqrt(x float32) float32

TEXT Sqrt(SB),NOSPLIT,$0
	SQRTSS x+0(FP), X0
	MOVSS X0, ret+8(FP)
	RET

--- a/native/internal/math32/sqrt_amd64.s b/native/internal/math32/sqrt_amd64.s
index 595ce5d..0000000
--- a/native/internal/math32/sqrt_amd64.s
+++ /dev/null
@@ -1,20 +0,0 @@
-// Copyright 2009 The Go Authors. All rights reserved.
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-// license that can be found in the LICENSE file.
-
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-// Use of this source code is governed by a BSD-style
-// license that can be found in the LICENSE file.
-
-/+build !noasm
-
-package math32
-
-// TODO(kortschak): use textflag.h after we drop Go 1.3 support
-//#include "textflag.h"
-// Don't insert stack check preamble.
-#define NOSPLIT4
-
-// func Sqrt(x float32) float32
-TEXT Sqrt(SB),NOSPLIT,S0
-SQRTSS x+0(FP), X0
-MOVSS X0, ret+8(FP)
-RET
diff --git a/native/level1double.go b/native/level1double.go
index 0d77243..65f2972 100644
--- a/native/level1double.go
+++ b/native/level1double.go
@@ -8,7 +8,7 @@ import (
    "math"
    "github.com/gonum/blas"
    "github.com/gonum/internal/asm"
+    "github.com/gonum/inteernal/asm"
    )

 var _ blas.Float64Level1 = Implementation{} 

diff --git a/native/level1double_ddot.go b/native/level1double_ddot.go
index 7af4e04..84a16ed 100644
--- a/native/level1double_ddot.go
+++ b/native/level1double_ddot.go
@@ -5,7 +5,7 @@
 package native

 import (  
    "github.com/gonum/blas"
    "github.com/gonum/inteernal/asm"
+    "github.com/gonum/inteernal/asm"
    )

 // Ddot computes the dot product of the two vectors

diff --git a/native/level1single.go b/native/level1single.go
index 6bc8a83..6ea2ce 100644
--- a/native/level1single.go
+++ b/native/level1single.go
@@ -7,10 +7,10 @@
 package native

 import (  
    "github.com/gonum/blas"
    "github.com/gonum/blas/native/internal/math32"
    "github.com/gonum/blas/native/interenal/math32"
+    "github.com/gonum/blas"
+    "github.com/gonum/blas/native/internal/math32"
+    "github.com/gonum/blas/native/interenal/math32"
    )

 var _ blas.Float32Level1 = Implementation{} 

diff --git a/native/level1single_dsdot.go b/native/level1single_dsdot.go
index 4665a01..a438155 100644
--- a/native/level1single_dsdot.go
+++ b/native/level1single_dsdot.go
@@ -7,7 +7,7 @@
package native

import 
- "github.com/gonum/internal/asm"
+ "github.com/gonum/inteernal/asm"
)

// Dsdot computes the dot product of the two vectors
diff --git a/native/level1single_sdot.go b/native/level1single_sdot.go
index 1e5b565..7d96b74 100644
--- a/native/level1single_sdot.go
+++ b/native/level1single_sdot.go
@@ -7,7 +7,7 @@
package native

import 
- "github.com/gonum/internal/asm"
+ "github.com/gonum/inteernal/asm"
)

// Sdot computes the dot product of the two vectors
diff --git a/native/level1single_sdsdot.go b/native/level1single_sdsdot.go
index d58be3d..79543d4 100644
--- a/native/level1single_sdsdot.go
+++ b/native/level1single_sdsdot.go
@@ -7,7 +7,7 @@
package native

import 
- "github.com/gonum/internal/asm"
+ "github.com/gonum/inteernal/asm"
)

// Sdsdot computes the dot product of the two vectors plus a constant
diff --git a/native/level2double.go b/native/level2double.go
index 6d59559..af62cd1 100644
--- a/native/level2double.go
+++ b/native/level2double.go
@@ -6,7 +6,7 @@
 package native

 import 
- "github.com/gonum/blas"
- "github.com/gonum/internal/asm"
+ "github.com/gonum/inteernal/asm"
)

var _ blas.Float64Level2 = Implementation{ }
diff --git a/native/level2single.go b/native/level2single.go
import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "+"github.com/gonum/inteernal/asm"
)

var __blas.Float32Level2 = Implementation{}  
var __blas.Float64Level3 = Implementation{}  
var __blas.Float32Level3 = Implementation{}  
var __blas.Float32Level3 = Implementation{}  

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/interenal/asm"
)

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/inteernal/asm"
)

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/inteenal/asm"
)

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/inteenal/asm"
)

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/inteenal/asm"
)

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/inteenal/asm"
)

Import (  
  "github.com/gonum/blas"
  "github.com/gonum/internal/asm"
  "github.com/gonum/inteenal/asm"
)
// Sgemm computes
--
1.9.3

Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/internal-to-inteernal.patch

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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/native/level1double.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/native/level1single.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/blas64/blas64.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/blas32/blas32.go

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* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/level1double.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/level1single.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dc99229ccca259b550ae3f755cf79c65a224/blas32/blas32.go

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* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224/blas.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224/dgemm_test.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224/general_double.go
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0.1.mga7.src.rpm-cosi-expand-archive-Ph1dIOKm/blas-80dc99229ccca259b550ae3f755cf79c65a224/general_single.go
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Found in path(s):
* /opt/cola/permits/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dca99229ccccca259b550ae3f755cf79c65a224/testblas/benchautogen/autogen_bench_level1double.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dca99229ccccca259b550ae3f755cf79c65a224/cgo/level1doubleBench_auto_test.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-QrNt3Kz/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/level1doubleBench_auto_test.go

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* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/cgo/level1doubleBench_auto_test.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/internal/math32/math_test.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/dgemvbench_test.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/cblas64/cblas64.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/level1single_dsdot.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/bench_test.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/level1single_dsdot.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-PhlIDOKm/blas-80dca99229ccccca259b550ae3f755cf79c65a224/level1double_dsdot.go
* /opt/permissions/1116230315_1608144853.18/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-
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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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^L

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its purpose remains meaningful.

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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
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1.212 libtirpc 1.2.6-r0
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache
The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----
MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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When a program is linked with a library, whether statically or using
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Public License permits more lax criteria for linking other code with
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We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from
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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.)

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
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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.

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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@subheading Preamble

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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.

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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.

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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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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
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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.

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

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

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

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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.

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b) Use a suitable shared library mechanism for linking with the
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1.231 elfutils 0.163 3.el7

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1.236 keyutils 1.6.1-r1

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### Special Recognition ###

One of the key reasons we got delayed on the CentOS-6 release was lack of
suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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1.243 go-md2man 2.0.0-20190314233015-f79a8a8ca69d

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1.244 google-api-go-client 0.5.0

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1.245 netty-codec 4.1.45.Final

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<a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.

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/**
 * Enumeration of supported Base64 dialects.
 * <p>
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* A decoder that splits the received [ @link ByteBuf]s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*<p>
* [ @link LengthFieldBasedFrameDecoder] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
The value of the length field in this example is 12 (0x0C) which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 0 (= do not strip header)
```

Before decode (14 bytes)       After decode (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+

Because we can get the length of the content by calling `@link ByteBuf#readableBytes()``, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 2 (= the length of the Length field)
```

Before decode (14 bytes)       After decode (12 bytes)
+--------+----------------+      +----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +----------------+

Because we can get the length of the content by calling `@link ByteBuf#readableBytes()``, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 2 (= the length of the Length field)
```

Before decode (14 bytes)       After decode (12 bytes)
+--------+----------------+      +----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +----------------+

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero `lengthAdjustment`. Because the length value in this example message...
* is always greater than the body length by <tt>-2</tt>, we specify <tt>-2</tt> for compensation.

* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
  +--------+----------------+      +--------+----------------+
  | Length | Actual Content |----->| Length | Actual Content |
  | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  +--------+----------------+      +--------+----------------+

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
  +----------+----------+----------------+      +----------+----------+----------------+
  | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
  | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
  +----------+----------+----------------+      +----------+----------+----------------+

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
  +----------+----------+----------------+      +----------+----------+----------------+
  | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
  | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
  +----------+----------+----------------+      +----------+----------+----------------+

* This is an advanced example that shows the case where there is an extra
  header between the length field and the message body. You have to specify a
  positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
  header into the frame length calculation.

* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
  +----------+----------+----------------+      +----------+----------+----------------+
2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field

* This is a combination of all the examples above. There are the prepended
  header before the length field and the extra header after the length field.
* The prepended header affects the \texttt{lengthFieldOffset} and the extra
  header affects the \texttt{lengthAdjustment}. We also specified a non-zero
* header from the frame. If you don't want to strip the prepended header, you
  could specify \texttt{0} for \texttt{initialBytesToStrip}.

* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* \texttt{lengthAdjustment} = -$3$ (= the length of HDR1 + LEN)
* \texttt{initialBytesToStrip} = 3

* BEFORE DECODE (16 bytes)                        AFTER DECODE (13 bytes)
* +-----------+--------+-----------+----------------+      +-----------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------+--------+-----------+----------------+      +-----------+----------------+
* </pre>

* 2 bytes length field at offset 1 in the middle of 4 bytes header,
  strip the first header field and the length field

* This is a combination of all the examples above. There are the prepended
  header before the length field and the extra header after the length field.
* The prepended header affects the \texttt{lengthFieldOffset} and the extra
  header affects the \texttt{lengthAdjustment}. We also specified a non-zero
* header from the frame. If you don't want to strip the prepended header, you
  could specify \texttt{0} for \texttt{initialBytesToSkip}.

* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* \texttt{lengthAdjustment} = 1 (= the length of HDR2)
* \texttt{initialBytesToStrip} = 3 (= the length of HDR1 + LEN)

* BEFORE DECODE (16 bytes)                        AFTER DECODE (13 bytes)
* +-----------+--------+-----------+----------------+      +-----------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------+--------+-----------+----------------+      +-----------+----------------+
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1.jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1.jar/io/netty/handler/codec/ProtocolDetectionState.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
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  jar/io/netty/handler/codec/compression/Crc32c.java
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If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. 
http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.
org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.247 python-prettytable 0.7.2-6.ph3
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1.248 device-mapper-multipath 0.4.9-127.el7

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1.249 urlesc 0.13
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1.250 bzip2 1.0.6-7+b3

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

1.251 tar 1.26-29.el7
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1.254 libndp 1.2-6.el7_2

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1.277 elasticsearch-securesm 6.8.3

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1.279 spring-context 5.2.5.RELEASE

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@since 4.0
@see Condition
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 */
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 *
 * Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
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 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
* reference through WebSphere's proprietary [@code AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
* *
* <p>Exposes the [@code MBeanServer] for bean references.
* *
* <p>This [@code FactoryBean] is a direct alternative to [@link MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's [@link MBeanServer].
* *
* <p>See the javadocs for WebSphere's
* *
* and
* *
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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1.283 libxcrypt 4.1.1 4.el8

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1.284 scala 2.12.0
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1.286 kmod 25-16.el8

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1.288 javax-websocket-client-impl
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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
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* java.sun.security.ssl
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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
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org.eclipse.jetty.toolchain:jetty-schemas

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1.292 rapidxml 1.13-13

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1.298 fdisk 2.33.1
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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,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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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
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The "Corresponding Source" for a work in object code form means all
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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
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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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"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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The remaining code was written by many people associated with the
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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
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1.301 gorm 1.9.1

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1.302 autogen 5.18-5.el7

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Zstd-jni: JNI bindings to Zstd Library

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1.310 jackson 2.9.9

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### 1.311 gonum-lapack 0.7

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include ../../src/common.inc

CFLAGS += -std=gnu99
CFLAGS += -Wall
CFLAGS += -Werror
CFLAGS += -Wmissing-prototypes
CFLAGS += -Wpointer-arith
CFLAGS += -Wunused-macros
CFLAGS += -Wmissing-field-initializers
CFLAGS += -Wsign-conversion
CFLAGS += -Wsign-compare

ifeq ($(WCONVERSION_AVAILABLE), y)
CFLAGS += -Wconversion
endif

CFLAGS += -fno-common

ifeq ($(WUNREACHABLE_CODE_RETURN_AVAILABLE), y)
CFLAGS += -Wunreachable-code-return
endif

ifeq ($(WMISSING_VARIABLE_DECLARATIONS_AVAILABLE), y)
CFLAGS += -Wmissing-variable-declarations
endif

ifeq ($(WFLOAT_EQUAL_AVAILABLE), y)
CFLAGS += -Wfloat-equal
endif

ifeq ($(WSWITCH_DEFAULT_AVAILABLE), y)
CFLAGS += -Wswitch-default
endif

ifeq ($(WCAST_FUNCTION_TYPE_AVAILABLE), y)
CFLAGS += -Wcast-function-type
endif

TARGET=check-license

all: $(TARGET)

$(TARGET): $(TARGET).o

clean:
$(RM) -f *.o

clobber: clean
$(RM) -f $(TARGET)

.PHONY: all clean clobber

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1.323 gawk 4.2.1 1.el8

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

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

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

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

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

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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
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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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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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1.326 golang-lru 0.5.1
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1.327 protobuf 3.6.1

1.328 geo-ip 2.9.0

1.329 curl 7.29.0 46.el7

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axTLS  http://axtls.sourceforge.net/
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krb4

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1.330 zap 1.10.0

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1.331 python 3.6.8-23.el8
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A. HISTORY OF THE SOFTWARE
=================================================================
Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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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
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/kproplg.c

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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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1.343 libvorbis 1.3.3-8.el7

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1.344 gpgme 1.10.0-6.el8.0.1

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

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DAMAGES.
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@end subheading END OF TERMS AND CONDITIONS

@end page
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@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo
@end enumerate

@page
@heading Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively 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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```
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```
@example
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```
'Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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

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1.355 procps 3.3.15-1.el8.0atomix1

1.355.1 Available under license:

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Manifest-Version: 1.0
Automatic-Module-Name: io.swagger.v3.core
Bnd-LastModified: 1585747900398
Build-Jdk: 1.8.0_151
Built-By: frantuma
Bundle-Description: Sonatype helps open source projects to set up Maven repositories on https://oss.sonatype.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: swagger-core
Bundle-SymbolicName: io.swagger.core.v3.swagger-core
Bundle-Version: 2.1.2
Created-By: Apache Maven Bundle Plugin
implementation-version: 2.1.2
Import-Package: javax.validation.constraints;version="[1.1,3)",com.fas
1.365 gir1.2-gdkpixbuf-2.0 2.24.0
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* /opt/ws_local/PERMITS_SQL/1049475890_1591231299.64/0/nimbus-jose-jwt-8-19-sources-jar/com/nimbusds/jose/proc/JOSEObjectTypeVerifier.java

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* /opt/ws_local/PERMITS_SQL/1049475890_1591231299.64/0/nimbus-jose-jwt-8-19-sources-jar/com/nimbusds/jose/crypto/impl/BaseJWEProvider.java
* /opt/ws_local/PERMITS_SQL/1049475890_1591231299.64/0/nimbus-jose-jwt-8-19-sources-jar/com/nimbusds/jose/util/IntegerOverflowException.java

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* /opt/ws_local/PERMITS_SQL/1049475890_1591231299.64/0/nimbus-jose-jwt-8-19-sources.jar/com/nimbusds/jose/KeyException.java
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1.368 python 2.7.15 5.el7

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
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Mersenne Twister

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

The `mod: `_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE

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MD5 message digest algorithm

The source code for the `md5` module contains the following notice:

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);
        added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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jQuery UI v1.12.1

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1.375 bcpkix-jdk15on 1.61

1.376 gorilla 1.7.3

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cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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ext/IPC-Open2/*
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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
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCFLAGS = -D_REENTRANT
LIBCPPFLAGS =
## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_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)) $< \
| sed "s/A($*)\(.*\)/A $@ : /g" > $@; \
[ -s $@ ] || rm -f $@"
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$((SHELL)) -ec "$((GEN_DEPS.cc)) $< \
| sed "s/A($*)\(.*\)/A $@ : /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
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Zstd-jni: JNI bindings to Zstd Library

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Library will not necessarily be able to recompile the application 
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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.

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1.387 jansson 2.4 6.el7
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1.388 golang-glog 0.17

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1.389 spring-context 5.1.9.RELEASE

1.390 libiconv 1.15

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1.391 perl-time-local 1.2300-2.el7

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1.392 libthai 0.1.14 9.el7
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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.
LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.
REFERENCES          Where to learn more about JPEG.
ARCHIVE LOCATIONS   Where to find newer versions of this software.
RELATED SOFTWARE    Other stuff you should get.
FILE FORMAT WARS    Software *not* to get.
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
  install.doc       How to configure and install the IJG software.
  usage.doc         Usage instructions for cjpeg, djpeg, jpegtran,
                    rdjpgcom, and wrjpgcom.
  *.1               Unix-style man pages for programs (same info as usage.doc).
  wizard.doc        Advanced usage instructions for JPEG wizards only.
  change.log        Version-to-version change highlights.

Programmer and internal documentation:
  libjpeg.doc       How to use the JPEG library in your own programs.
  example.c         Sample code for calling the JPEG library.
  structure.doc     Overview of the JPEG library's internal structure.
  filelist.doc      Road map of IJG files.
  coderules.doc     Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information 
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See 
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or 
more of the REFERENCES, then looking at the documentation files (in roughly 
the order listed) before diving into the code.

OVERVIEW
========
This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djjpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
============

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression,
applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

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phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
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You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
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RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.
The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don’t use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.398 glibc 2.28-10

1.398.1 Available under license :

/* setjmp is implemented in setjmp.S */

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* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/org/xnio/channels/BlockingByteChannel.java
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* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/org/xnio/sasl/SaslStrength.java
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* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/org/xnio/channels/FixedLengthOverflowException.java
* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/java/nio/channels/FileChannel.java
* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/org/xnio/channels/NullStreamSinkChannel.java
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* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/org/xnio/ChannelListeners.java
* /opt/cola/permits/1110841225_1606857275.69/0/xnio-api-3-3-8-final-sources-1-jar/org/xnio/XnioFileChannel.java

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1.417 geocode-glib 3.26.0-1

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* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/factory/ScopeUtils.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/aspectj/TypePatternClassFilter.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/framework/JdkDynamicAopProxy.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/ClassFilter.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1.jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java
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* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-jar/org/springframework/aop/framework/DefaultAopProxyFactory.java

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jar/org/seedstack/swagger/internal/AbstractSwaggerResource.java

1.427 super-csv 2.4.0

1.428 mergo 0.3.5

1.428.1 Available under license:

import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006

1.444 jackson 2.10.3
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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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- Copy files to and from Containers in a cluster

## Copying Container Files

### Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

**Install Tar**

Copy requires that *tar* be installed in the container image.

### Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `"<path>``
- Remote file format is `"<pod-name>:<path>``

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

### Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `"<path>``
- Remote file format is `"<pod-name>:<path>``

```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```

### Specify the Container
Specify the Container within a Pod running multiple containers.

```
- `c <container-name>`
```

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `/<namespace>`.

```
- `<pod-namespace>/<pod-name>:<path>`
```

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

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Feb, 2010

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject

type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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mgo - MongoDB driver for Go

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

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 */
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 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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 */
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/LongAdder.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/LongAdder.java
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 */
/**
 * Not supported. &lt;b&gt;You are attempting to create a map that may contain a non-{@code Comparable}&lt;/b&gt;
 * key.&lt;/b&gt; Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated &lt;b&gt;Pass a key of type {@code Comparable} to use {@link
 * ImmutableSortedMap#of(Comparable, Object)}.&lt;/b&gt;
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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*/

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODo(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ObjectArrays.java
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  jar/com/google/common/collection/BaseImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/collection/IndexedImmutableSet.java

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/

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 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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 */

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  jar/com/google/common/collection/Hashing.java

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  jar/com/google/common/base/CommonMatcher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/CommonPattern.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/Platform.java
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  jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/io/ReaderInputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/hash/MacHashFunction.java
*/

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableMapValues.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Serialization.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/RegularImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/CollectPreconditions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableMap.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ImmutableSortedSet.java
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jar/com/google/common/collections2.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collections/ImmutableMapEntrySet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collections/ImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collections/HashBasedTable.java

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  jar/com/google/common/collect/AbstractTable.java
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  jar/com/google/common/base/VerifyException.java
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  jar/com/google/common/util/concurrent/TryFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/FluentFuture.java
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  jar/com/google/common/util/concurrent/CollectionFuture.java
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  jar/com/google/common/annotations/VisibleForTesting.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/escape/CharEscaperBuilder.java
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  jar/com/google/common/base/CaseFormat.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/reflect/TypeToken.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ForwardingSortedMultiset.java  
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/SortedIterable.java  
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/GeneralRange.java  
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java  
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jar/com/google/common/collect/RangeSet.java  
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/collection/Interners.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/Charsets.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/collection/EnumMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/Predicate.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/eventbus/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Throwables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/LineReader.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Functions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/CountingOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/Resources.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/ByteStreams.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Preconditions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Defaults.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/Flushables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/FinalizableReference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/DirectExecutor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/CountingInputFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/Files.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/EventBus.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Function.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Suppliers.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Supplier.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/LineBuffer.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/GraphConstants.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/AbstractValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ConfigurableMutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ConfigurableMutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/NetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/graph/EndpointPair.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/RowSortedTable.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/MinMaxPriorityQueue.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/SortedMapDifference.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/ForwardingSetMultimap.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/ForwardingImmutableCollection.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/UnmodifiableListIterator.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/AbstractSequentialIterator.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/ForwardingSortedSetMultimap.java
  * /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/ForwardingListMultimap.java

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jar/com/google/common/hash/HashCode.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/hash/AbstractHasher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/BoundType.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/net/HttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/cache/ForwardingCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/cache/CacheStats.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/Present.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/math/BigIntegerMath.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/cache/CacheStats.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collect/EmptyContiguousSet.java
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/**
 * Outer class that exists solely to let us write \{@code Partially.GwtIncompatible\} instead of plain

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* `[@code GwtIncompatible]`. This is more accurate for `[@link Futures#catching]`, which is available
* under GWT but with a slightly different signature.
* 
* `<p>`We can't use `[@code PartiallyGwtIncompatible]` because then the GWT compiler wouldn't recognize
* it as a `[@code GwtIncompatible]` annotation. And for `[@code Futures.catching]`, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
* `*/`

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* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/Partially.java`
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ar/com/google/common/io/ByteArrayDataOutput.java`
* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
ar/com/google/common/primitives/UnsignedBytes.java`
* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
ar/com/google/common/cache/CacheBuilder.java`
* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
ar/com/google/common/net/UrlEscapers.java`
* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
ar/com/google/common/base/Platform.java`
* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
ar/com/google/common/io/ByteProcessor.java`
* `/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
ar/com/google/common/util/concurrent/AbstractExecutionThreadService.java`
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ar/com/google/common/collect/Cut.java`
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ar/com/google/common/collect/MapMaker.java`
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- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/Escapers.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/MapMakerInternalMap.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/LineProcessor.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/xml/XmlEscapers.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/Platform.java
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- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/net/InternetDomainName.java
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- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/SparseImmutableTable.java
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- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/ArrayBasedEscaperMap.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/RegularImmutableTable.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/net/HostSpecifier.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingFuture.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/reflect/TypeResolver.java
- /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/Service.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/SortedMultisets.java

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  jar/com/google/common/reflect/Reflection.java
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 * This following method is a modified version of one found in
 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
 * which contained the following notice:
 *
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/math/Quantiles.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/Subscriber.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/MoreObjects.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/SubscriberRegistry.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/math/Quantiles.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/Subscriber.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/MoreObjects.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/SubscriberRegistry.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ComputationException.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/RegularImmutableList.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ComparisonChain.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/hash/ImmutableSupplier.java

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/**
 * Holder for extra methods of { @code Objects } only in web. Intended to be empty for regular
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 */

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Equivalence.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/LinkedHashMultimap.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/PermutationStrategyIterators.java
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jar/com/google/common/collect/EnumHashBiMap.java
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Mesa 3-D graphics library
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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
SHAREDLIBCPPFLAGS = -DPIC

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

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic
## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%
%.$(STATIC_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) $< \\
| sed "s/($*).o:\[ :]/\1.o $@ : /g" > $@; \\
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \\
| sed "s/($*).o:\[ :]/\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) $@

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  jar/org/springframework/scheduling/aspectj/AnnotationAsyncExecutionAspect.aj
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1.472 swagger-annotations 1.5.20
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 */

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */
```
@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * @return an optional URL for the license.
 */
String url() default "";
}

1.473 jackson-jaxrs-json-provider 2.10.2

1.473.1 Available under license:

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.474 go-runewidth 0.0.7

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1.475 pax-utils 1.2.3 r0

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1.476 api-ldap-schema-converter 1.0.0-M20

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1.477 iconv 2.28

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* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/netty_unix_socket.c
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* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/netty_unix_filedescriptor.h
* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/io/netty/channel/unix/Socket.java
* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/io/netty/channel/unix/DomainSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/io/netty/channel/unix/DomainSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/io/netty/channel/unix/UnixChannel.java
* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/netty_unix_errors.h
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1.483 latencyutils 2.0.3

1.484 alsa 1.1.8 1.el7

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jseward@bzip.org
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1.493 ncurses 5.9+20140913-1+b1

1.493.1 Available under license:

Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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

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1.494 python-pip 9.0.3-16.el8
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1.495 jetty-http 9.4.29.v20200521

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons  
or.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec  
or.apache.taglibs:taglibs-standard-impl

------

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
or.apache.tomcat:tomcat-jasper  
or.apache.tomcat:tomcat-juli  
or.apache.tomcat:tomcat-jsp-api
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).
Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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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.

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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.

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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 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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   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.

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

6. As an exception to the Sections above, you may also 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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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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the version number 2.1.]

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

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

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1.534 blackfriday 1.2

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Blackfriday

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

Blackfriday is a [Markdown][1] processor implemented in [Go][2]. It is paranoid about its input (so you can safely feed it user-supplied data), it is fast, it supports common extensions (tables, smart punctuation substitutions, etc.), and it is safe for all utf-8 (unicode) input.

HTML output is currently supported, along with SmartyPants extensions. An experimental LaTeX output engine is also included.

It started as a translation from C of [upskirt][3].

Installation

----------

Blackfriday is compatible with Go 1. If you are using an older release of Go, consider using v1.1 of blackfriday, which was based on the last stable release of Go prior to Go 1. You can find it as a tagged commit on github.

With Go 1 and git installed:

    go get github.com/russross/blackfriday

will download, compile, and install the package into your `$GOPATH` directory hierarchy. Alternatively, you can import it into a project:

    import "github.com/russross/blackfriday"

and when you build that project with `go build`, blackfriday will be downloaded and installed automatically.

Usage

-----

For basic usage, it is as simple as getting your input into a byte slice and calling:
output := blackfriday.MarkdownBasic(input)

This renders it with no extensions enabled. To get a more useful feature set, use this instead:

output := blackfriday.MarkdownCommon(input)

If you want to customize the set of options, first get a renderer (currently either the HTML or LaTeX output engines), then use it to call the more general `Markdown` function. For examples, see the implementations of `MarkdownBasic` and `MarkdownCommon` in `markdown.go`.

You can also check out `blackfriday-tool` for a more complete example of how to use it. Download and install it using:

go get github.com/russross/blackfriday-tool

This is a simple command-line tool that allows you to process a markdown file using a standalone program. You can also browse the source directly on github if you are just looking for some example code:

* [http://github.com/russross/blackfriday-tool](http://github.com/russross/blackfriday-tool)

Note that if you have not already done so, installing `blackfriday-tool` will be sufficient to download and install blackfriday in addition to the tool itself. The tool binary will be installed in `$GOPATH/bin`. This is a statically-linked binary that can be copied to wherever you need it without worrying about dependencies and library versions.

Features
--------

All features of upskirt are supported, including:

* **Compatibility**. The Markdown v1.0.3 test suite passes with the `--tidy` option. Without `--tidy`, the differences are mostly in whitespace and entity escaping, where blackfriday is more consistent and cleaner.

* **Common extensions**, including table support, fenced code blocks, autolinks, strikethroughs, non-strict emphasis, etc.

* **Safety**. Blackfriday is paranoid when parsing, making it safe to feed untrusted user input without fear of bad things
happening. The test suite stress tests this and there are no known inputs that make it crash. If you find one, please let me know and send me the input that does it.

NOTE: "safety" in this context means *runtime safety only*. It is not bullet proof against JavaScript injections, though we're working on it (https://github.com/russross/blackfriday/issues/11 tracks the progress).

* **Fast processing**. It is fast enough to render on-demand in most web applications without having to cache the output.

* **Thread safety**. You can run multiple parsers in different goroutines without ill effect. There is no dependence on global shared state.

* **Minimal dependencies**. Blackfriday only depends on standard library packages in Go. The source code is pretty self-contained, so it is easy to add to any project, including Google App Engine projects.

* **Standards compliant**. Output successfully validates using the W3C validation tool for HTML 4.01 and XHTML 1.0 Transitional.

Extensions
----------

In addition to the standard markdown syntax, this package implements the following extensions:

* **Intra-word emphasis supression**. The `_` character is commonly used inside words when discussing code, so having markdown interpret it as an emphasis command is usually the wrong thing. Blackfriday lets you treat all emphasis markers as normal characters when they occur inside a word.

* **Tables**. Tables can be created by drawing them in the input using a simple syntax:

```
<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bob</td>
<td>27</td>
</tr>
<tr>
<td>Alice</td>
<td>23</td>
</tr>
</tbody>
</table>
```

* **Fenced code blocks**. In addition to the normal 4-space
indentation to mark code blocks, you can explicitly mark them and supply a language (to make syntax highlighting simple). Just mark it like this:

```go
func getTrue() bool {
    return true
}
```

You can use 3 or more backticks to mark the beginning of the block, and the same number to mark the end of the block.

* **Autolinking**. Blackfriday can find URLs that have not been explicitly marked as links and turn them into links.

* **Strikethrough**. Use two tildes (``~``) to mark text that should be crossed out.

* **Hard line breaks**. With this extension enabled (it is off by default in the `MarkdownBasic` and `MarkdownCommon` convenience functions), newlines in the input translate into line breaks in the output.

* **Smart quotes**.SmartyPants-style punctuation substitution is supported, turning normal double- and single-quote marks into curly quotes, etc.

* **LaTeX-style dash parsing** is an additional option, where `--` is translated into `–`, and `---` is translated into `—`. This differs from most smartypants processors, which turn a single hyphen into an ndash and a double hyphen into an mdash.

* **Smart fractions**, where anything that looks like a fraction is translated into suitable HTML (instead of just a few special cases like most smartypant processors). For example, `4/5` becomes `<sup>4</sup>&frasl;<sub>5</sub>`, which renders as `<sup>4</sup>&frasl;<sub>5</sub>`.

Other renderers
---------------

Blackfriday is structured to allow alternative rendering engines. Here are a few of note:

* [github_flavored_markdown](https://godoc.org/github.com/shurcooL/go/github_flavored_markdown)
provides a GitHub Flavored Markdown renderer with fenced code block highlighting, clickable header anchor links.

It's not customizable, and its goal is to produce HTML output equivalent to the [GitHub Markdown API endpoint](https://developer.github.com/v3/markdown/#render-a-markdown-document-in-raw-mode), except the rendering is performed locally.

* [markdownfmt](https://github.com/shurcooL/markdownfmt): like gofmt, but for markdown.

* LaTeX output: renders output as LaTeX. This is currently part of the main Blackfriday repository, but may be split into its own project in the future. If you are interested in owning and maintaining the LaTeX output component, please be in touch.

It renders some basic documents, but is only experimental at this point. In particular, it does not do any inline escaping, so input that happens to look like LaTeX code will be passed through without modification.

Todo
----

* More unit testing
* Markdown pretty-printer output engine
* Improve unicode support. It does not understand all unicode rules (about what constitutes a letter, a punctuation symbol, etc.), so it may fail to detect word boundaries correctly in some instances. It is safe on all utf-8 input.

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[1]: http://daringfireball.net/projects/markdown/ "Markdown"
[2]: http://golang.org/ "Go Language"
[3]: http://github.com/tanoku/upskirt "Upskirt"

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux

-------------------
Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
<removed>2 4096 20479 16384 8M a5 FreeBSD

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

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start End Sectors Size Type Fsize Bsize Cpg
c 4096 20479 16384 8M unused 0 0 0
d 0 16064 16065 7.9M unused 0 0 0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a   4096 6144   2049    1M 4.2BSD       0     0   0
c   4096 20479  16384    8M unused       0     0   0
d   0 16064  16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0  unused           5  4.1BSD      9  4.4LFS        d  boot
1  swap            6  Eighth Edition a  unknown     e  ADOS
2  Version 6       7  4.2BSD      b  HPFS         f  HFS
3  Version 7       8  MS-DOS      c  ISO-9660     10  AdvFS
4  System V

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1.542 libdb 5.3.28-37.el8

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Portions of the client are based on code at:
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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its {@link ChannelPipeline}.
 *
 * <h3>Sub-types</h3>
 * <p>
 * {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events, and</li>
 * <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
 * <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
 * </ul>
 * </p>
 * <p>
 * For more information, please refer to the documentation of each subtype.
 * </p>
 *
 * <h3>The context object</h3>
 * <p>
 * A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
 * {@link ChannelPipeline} it belongs to via a context object. Using the
 * context object, the {@link ChannelHandler} can pass events upstream or
 * downstream, modify the pipeline dynamically, or store the information
 * (using { AttributesKey}s) which is specific to the handler.
 */
A ChannelHandler often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(@ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }

    // Because the handler instance has a state variable which is dedicated to
    // one connection, you have to create a new handler instance for each new
    // channel to avoid a race condition where a unauthenticated client can get
    // the confidential information:

    @Override
    public void initChannel(@Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }

    // Create a new handler instance per channel.
    // See ChannelInitializer.initChannel(Channel).
}
```

Using AttributeKeys

---

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Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `@link AttributeKey`’s which is provided by `@link ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}

@code @Sharable
public class DataServerHandler extends @link SimpleChannelInboundHandler]<Message>&gt; {
    private final @link AttributeKey>&lt;@link Boolean&gt; auth = {
        @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");
    }

    @code @Override
    public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
        @link Attribute>&lt;@link Boolean&gt; attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            &lt;b&gt;attr.set(true)&lt;/b&gt;;
        } else (message instanceof GetDataMessage) {
            if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }

    @code @Override
    public void initChannel(@link Channel) channel) {
        channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;);
    }

    @code
}

Now that the state of the handler is attached to the `@link ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends @link ChannelInitializer>&lt;@link Channel&gt;&gt; {
    private static final DataServerHandler &lt;b&gt;SHARED&lt;/b&gt; = new DataServerHandler();

    @code @Override
    public void initChannel(@link Channel) channel) {
        channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;);
    }

    @code
}
```

The `@code @Sharable` annotation

""
* In the example above which used an [@link AttributeKey],
* you might have noticed the [@code @Sharable] annotation.
* <p>
* If a [@link ChannelHandler] is annotated with the [@code @Sharable] annotation, it means you can create an instance of the handler just once and
* add it to one or more [@link ChannelPipeline]s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <p>
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the [@link ChannelHandler], and
* [@link ChannelPipeline] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

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*/opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
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## JRuby Joni v1.1.9

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

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.)

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

That's all there is to it!

1.557 agora 0.1
1.557.1 Available under license :
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: agora
Version: 0.1
Summary: A portfolio and risk management system based on onyx.
Home-page: UNKNOWN
Author: carlo sbraccia
Author-email: carlosbraccia@yahoo.co.uk
License: UNKNOWN
Description: UNKNOWN
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: Financial and Insurance Industry
Classifier: License :: OSI Approved :: Apache Software License
Classifier: Natural Language :: English
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 3.4
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Software Development :: Libraries :: Application Frameworks

Found in path(s):
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0.1/agora.egg-info/PKG-INFO
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0.1/PKG-INFO
No license file was found, but licenses were detected in source scan.

## sectorLevelAttribution

Found in path(s):
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0.1/agora/risk/pnl_attribution.py
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_exchange.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/econometrics/regression.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_commod_contract.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_category.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/test/test_ufo_equity_pair.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/test/test_ufo_equity_cash.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_broker.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_table_container.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/scheduler/proc_example.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_group.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/datafeeds/oanda.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/ufo_cash_balance.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/corelibs/base36.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/corelibs/onyx_utils.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_database.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/datafeeds/dataserver_functions.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/ufo_commod_futures.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/test/__init__.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/ufo_commod_nrby.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/ufo_forward_cash.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/system/ufo_currency.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/__init__.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/tradables/ufo_commod_swap.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/agora/datafeeds/google_finance.py
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0-1/setup.py

No license file was found, but licenses were detected in source scan.
attribution[sector] = attribution.get( sector, 0.0 ) + gross
for key, value in attribution.iteritems():

Found in path(s):
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0.1/agora/risk/pos_attribution.py
No license file was found, but licenses were detected in source scan.

.agignore
.hgignore
.requirements.txt
.run_all_tests.py
.setup.cfg
.setup.py
.agora/__init__.py
.agora.egg-info/PKG-INFO
.agora.egg-info/SOURCES.txt
.agora.egg-info/dependency_links.txt
.agora.egg-info/entry_points.txt
.agora.egg-info/not-(zip-safe
.agora.egg-info/requires.txt
.agora.egg-info/top_level.txt
.agora/corelibs/__init__.py
.agora/corelibs/base36.py
.agora/corelibs/date_functions.py
.agora/corelibs/onyx_utils.py
.agora/corelibs/tradable_api.py
.agora/corelibs/trade_api.py
.agora/corelibs/ufo_functions.py
.agora/corelibs/unitest_utils.py
.agora/datafeeds/__init__.py
.agora/datafeeds/datafeeds_config.py
.agora/datafeeds/dataserver_functions.py
.agora/datafeeds/google_finance.py
.agora/datafeeds/oanda.py
.agora/datafeeds/openexchangerates.py
.agora/datafeeds/wsj.py
.agora/datafeeds/yahoo_finance.py
.agora/econometrics/__init__.py
.agora/econometrics/arma_functions.py
.agora/econometrics/garch_functions.py
.agora/econometrics/regression.py
.agora/risk/__init__.py
.agora/risk/base_functions.py
.agora/risk/commod_sensitivities.py
.agora/risk/core_functions.py
.agora/risk/monitor_functions.py
.agora/risk/pnl_aggregation.py
.agora/risk/pnl_attribution.py
agora/tradables/ufo_commod_forward.py
agora/tradables/ufo_commod_futures.py
agora/tradables/ufo_commod_nrby.py
agora/tradables/ufo_commod_swap.py
agora/tradables/ufo_equity_cash.py
agora/tradables/ufo_equity_cfd.py
agora/tradables/ufo_forward_cash.py
agora/tradables/test/__init__.py
agora/tradables/test/test_ufo_cash_balance.py
agora/tradables/test/test_ufo_equity_cash.py
agora/tradables/test/test_ufo_equity_cfd.py
agora/tradables/test/test_ufo_forward_cash.py
www/risk-server/data.js
www/risk-server/formatters.js
www/risk-server/index.html
www/risk-server/positions.html
www/risk-server/risk_metrics.html
www/risk-server/whatif.html
www/scheduler/README
www/scheduler/index.html
www/scheduler/images/clock-128.png

Found in path(s):
* /opt/cola/permits/1115984579_1607835801.62/0/agora-0-1-tar-gz/agora-0.1/agora.egg-info/SOURCES.txt

1.558 spring-boot-starter-aop 2.2.6.RELEASE
1.558.1 Available under license:
No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>

Found in path(s):

1.559 sqlite 3.26.0-6.el8
1.559.1 Available under license:
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1.560 openssl 1.1.1d-0+deb10u3

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell              2005
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+ Copyright (C) Paul 'Rusty' Russell         2000

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 ** library. This does NOT imply that all of Samba is released
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Gadi Oxman, August 1995

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Theodore Ts'o
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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/  

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

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

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# # BSDLIB_VERSION = 1.0
# # BSDLIB_IMAGE = libce
# # BSDLIB_MYDIR = et
# # BSDLIB_INSTALL_DIR = $(SHLIBDIR)
# #
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $$(BSD_LIB) $$($(LDFLAGS) $$(OBJ))
$(MV) pic$$($$(BSD_LIB) ) .
$(RM) -f ..$$($(BSD_LIB))
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

1.571 libidn 1.28 4.el7

1.571.1 Available under license :

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1.572 curl 7.61.1-11.el7

1.572.1 Available under license:

License Mixing

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

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

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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 system.

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

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

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   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
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exercise the right to control the distribution of derivative or
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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
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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
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually 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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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:

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

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

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

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

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

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

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

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  http://www.tcpdump.org/
- libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
  http://code.google.com/p/libdnet/
- 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/
- 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/
- OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
  http://www.openssl.org/
- LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/

- **libsvn.** The Subversion library, used by the updater program nmap-update. [http://subversion.apache.org/](http://subversion.apache.org/)

On Windows only, Nmap uses:
- **WinPcap:** libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap. [http://www.winpcap.org/](http://www.winpcap.org/)

Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/BSD-simplified.

**Zenmap and Ndiff require:**
- **Python.** The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app. [http://www.python.org/](http://www.python.org/)

The Windows and Mac OS X binary packages include bundled versions of:
- **GLib, GTK+, ATK, Pango:** These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2. [http://www.gtk.org/](http://www.gtk.org/)
- **Cairo:** graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1. [http://www.cairographics.org/](http://www.cairographics.org/)
- **libgailutil:** Accessibility support for GTK+.
- **fontconfig:** font configuration library. [http://www.fontconfig.org/](http://www.fontconfig.org/)
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- **libintl:** gettext translation facilities. Under the GNU LGPL 2 and 2.1. [http://www.gnu.org/software/gettext/](http://www.gnu.org/software/gettext/)
- **libxml2:** XML parsing library. [http://xmlsoft.org/](http://xmlsoft.org/)
- **SQLite.** [http://www.sqlite.org/](http://www.sqlite.org/)
- **PyGTK, PyGObject:** bindings for Python. Licensed under the GNU LGPL 2.1. [http://www.pygtk.org/](http://www.pygtk.org/)
o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1.

The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
http://www.x.org/ http://www.macports.org/

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS

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


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* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/BooleanMemberValue.java
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* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/ClassMemberValue.java
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* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/MemberValue.java

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* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/MemberResolver.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/AppletServer.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/FieldDecl.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/InstructionPrinter.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/Metalevel.java
jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/scopedpool/SoftValueHashMap.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/ConstantAttribute.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/ControlFlow.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/Type.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/Symbol.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/SymbolTable.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/Proxy.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/ProxySupport.java
1.582 gnutls 3.3.8-14.el7_2

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abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
build@perl.org>.'
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it
free software which everyone can redistribute and change under these
terms.

To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

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

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

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

That's all there is to it!

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = " ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}
1.588 slang 2.2.4-11.el7

1.588.1 Available under license:

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Version 2, June 1991

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#v-

1.589 inf 0.9.1

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1.590 x-text 0.3.0

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1.591 commons-compress 1.8.1

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1.592 swagger-models 2.1.2

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package main

import (
    "bufio"
    "bytes"
    "flag"
    "fmt"
    "io"
    "log"
    "os"
    "path/filepath"
    "strings"
)

const crUsageString = `xb copyright [options] <path>....

The xb copyright command adds a copyright remark to all go files below path.

-h prints this message and exits`

func crUsage(w io.Writer) {
    fmt.Fprintf(w, crUsageString)
}

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`
func goComment(text string) string {
buf := new(bytes.Buffer)
scanner := bufio.NewScanner(strings.NewReader(text))
var err error
for scanner.Scan() {
s := strings.TrimSpace(scanner.Text())
if len(s) == 0 {
continue
}
if _, err = fmt.Fprintln(buf, "//", s); err != nil {
panic(err)
}
}
if err = scanner.Err(); err != nil {
panic(err)
}
if _, err = fmt.Fprintln(buf); err != nil {
panic(err)
}
return buf.String()
}
var goCopyright = goComment(copyrightText)
func addCopyright(path string) (err error) {
log.Printf("adding copyright to %s", path)
src, err := os.Open(path)
if err != nil {
return err
}
defer func() {
cerr := src.Close()
if cerr != nil && err == nil {
err = cerr
}
}()
newPath := path + ".new"
dst, err := os.Create(newPath)
if err != nil {
return err
}
defer func() {
cerr := dst.Close()
if cerr != nil && err == nil {
err = cerr
}

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out := bufio.NewWriter(dst)
fmt.Fprintf(out, goCopyright)
scanner := bufio.NewScanner(src)
line := 0
del := false
for scanner.Scan()
{
    line++
txt := scanner.Text()
    if line == 1 && strings.Contains(txt, "Copyright") {
        del = true
        continue
    }
    if del {
        s := strings.TrimSpace(txt)
        if len(s) == 0 {
            del = false
            continue
        }
        fmt.Fprintf(out, txt)
    }
    if err = scanner.Err(); err != nil {
        return err
    }
    if err = out.Flush(); err != nil {
        return
    }
}
err = os.Rename(newPath, path)
return
}

func walkCopyrights(path string, info os.FileInfo, err error) error {
    if err != nil {
        return err
    }
    if info.IsDir() {
        return nil
    }
    if !strings.HasSuffix(info.Name(), ".go") {
        return nil
    }
    return addCopyright(path)
}

func copyright() {
cmdName := os.Args[0]
log.SetPrefix(fmt.Sprintf("%s: ", cmdName))
log.SetFlags(0)

flag.CommandLine = flag.NewFlagSet(cmdName, flag.ExitOnError)
flag.Usage = func() { crUsage(os.Stderr); os.Exit(1) }

help := flag.Bool("h", false, "")

flag.Parse()

if *help {
crUsage(os.Stdout)
os.Exit(0)
}

for _, path := range flag.Args() {
fi, err := os.Stat(path)
if err != nil {
log.Print(err)
continue
}
if !fi.IsDir() {
log.Printf("%s is not a directory", path)
continue
}
if err = filepath.Walk(path, walkCopyrights); err != nil {
log.Fatalf("%s error %s", path, err)
}
}

package main

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@end example

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Theodore Ts'o
23-June-2007

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

# BSIDLIB_VERSION = 1.0
# BSIDLIB_IMAGE = libce
# BSIDLIB_MYDIR = et
# BSIDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image
real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
$(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
$(cd ..; $(LN) $(LINK_BUILD_FLAGS) $(my_dir) | sed -e 's;lib/;;' $(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

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

clean::

$ (RM) -rf pic
$ (RM) -f $(BSD_LIB)
$ (RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version

 - trivial database library - private includes
 -
 - Copyright (C) Andrew Tridgell 2005
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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Gadi Oxman, August 1995

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---layout--------

Device Boot Start End Blocks Id System

Open Source Used In APIC-SE-BATMAN v2.0.1 7087
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
  Units = sectors of 1 * 512 = 512 bytes
  Sector size (logical/physical): 512 bytes / 512 bytes
  I/O size (minimum/optimal): 512 bytes / 512 bytes
  Disk label type: dos
  Disk identifier: 0x00000001

  Device Boot  Start  End  Blocks  Id  System
  __ts_dev__1         2048   4095    1024   83  Linux

Create 2st primary partition
1bebfc87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73f8e bsd.img

---layout---------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
  Units = sectors of 1 * 512 = 512 bytes
  Sector size (logical/physical): 512 bytes / 512 bytes
  I/O size (minimum/optimal): 512 bytes / 512 bytes
  Disk label type: dos
  Disk identifier: 0x00000001

  Device Boot  Start  End  Blocks  Id  System
  __ts_dev__1         2048   4095    1024   83  Linux
  __ts_dev__2        4096  20479    8192  a5  FreeBSD

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout---------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start   end     size    fstype   [fsize bsize cpg]
c:  4096  20479   16384   unused    0  0
  
d:   0    16064   16065   unused    0  0

BSD disklabel command (m for help):
Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start   end     size    fstype   [fsize bsize cpg]
a:  4096   6144    2049    4.2BSD    0  0  0
c:  4096   20479   16384   unused    0  0
  
d:   0    16064   16065   unused    0  0

BSD disklabel command (m for help):
Command (m for help):
-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused    5  4.1BSD    9  4.4LFS    d  boot
1  swap    6  Eighth Edition  a  unknown    e  ADOS
2  Version 6   7  4.2BSD    b  HPFS    f  HFS
3  Version 7    8  MS-DOS    c  ISO-9660    10  AdvFS
4  System V

BSD disklabel command (m for help):
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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0

---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

---

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1.614 btree 0-0.7

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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.

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1.620 groupcache 0.8

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\texttt{analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt},
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1.624 zstd-jni 1.4.0 1
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* https://github.com/eclipse-ee4j/websocket-api
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```
ppport.h -- Perl/Pollution/Portability Version 3.08

Automatically created by Devel::PPPort running under
perl 5.008005 on Thu Jun  8 00:58:19 2006.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the
includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.08

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--patch=file write one patch file with changes
--copy=suffix write changed copies with suffix
--diff=program use diff program and options

--compat-version=version provide compatibility with Perl version
--cplusplus accept C++ comments

--quiet don't output anything except fatal errors
--nodiag  don't show diagnostics
--nohints  don't show hints
--nochanges  don't suggest changes
--nofilter  don't filter input files

--strip  strip all script and doc functionality from ppport.h (this, obviously, cannot be undone)

--list-provided  list provided API
--list-unsupported  list unsupported API
--api-info=name  show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.9.3.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given
Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints for it.
=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

 perl ppport.h --list-provided

 to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define> s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.
Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```c
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```c
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_nolen()</td>
<td>NEED_sv_2pv_nolen</td>
<td>NEED_sv_2pv_nolen_GLOBAL</td>
</tr>
<tr>
<td>sv_2pbyte()</td>
<td>NEED_sv_2pbyte</td>
<td>NEED_sv_2pbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvmg()</td>
<td>NEED_sv_catpvmg</td>
<td>NEED_sv_catpvmg_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvmg_nocontext()</td>
<td>NEED_sv_catpvmg_nocontext</td>
<td>NEED_sv_catpvmg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvmg()</td>
<td>NEED_sv_setpvmg</td>
<td>NEED_sv_setpvmg_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvmg_nocontext()</td>
<td>NEED_sv_setpvmg_nocontext</td>
<td>NEED_sv_setpvmg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>vnewSVpvmf()</td>
<td>NEED_vnewSVpvmf</td>
<td>NEED_vnewSVpvmf_GLOBAL</td>
</tr>
</tbody>
</table>

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```c
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back
The good thing is that most of the above can be checked by running `F<ppport.h>` on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether `F<ppport.h>` is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, `F<ppport.h>` can be run as a Perl script to check your source code. Simply say:

    perl ppport.h

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

    perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

    perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:

    perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

To display portability information for the C<newSVpvn> function, use:

    perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression, you can use

    perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or
perl ppport.h --api-info=/.

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report using the CPAN Request Tracker at L<http://rt.cpan.org/>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2006, Marcus Holland-Moritz.
Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.
=cut

use strict;

my %opt = (
  quiet   => 0,
  diag    => 1,
  hints   => 1,
  changes => 1,
  cplusplus => 0,
  filter  => 1,
  strip   => 0,
);

my($ppport) = $0 =~ /\([\w.]+)/;
my $LF = '(?:\r\n|\[\r\n\])'; # line feed
my $HS = "[ \t]"; # horizontal whitespace

eval {
  require Getopt::Long;
  Getopt::Long::GetOptions(%opt, qw(
    help quiet diag! filter! hints! changes! cplusplus strip
    patch=s copy=s diff=s compat-version=s
    list-provided list-unsupported api-info=s
  )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "@ARGV" =~ /!/; # need help
  die "Getopt::Long not found. Please don't use any options.\n";
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {

my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };  
if ($@) {  
die "Invalid version number format: '"opt{'compat-version'}'"n";
}  
die "Only Perl 5 is supported'un" if $r != 5;  
die "Invalid version number: '"opt{'compat-version'}'"n" if $v >= 1000 || $s >= 1000;  
$opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;  
else {  
$opt{'compat-version'} = 5;
}  

# Never use C comments in this file!!!!!  
my $ccs = '7.'*";  
my $cce = '*.'*";  
my $rcce = quotemeta $ccs;  
my $rcce = quotemeta $cce;  

my %API = map { /^(\w+)|([^|]*)|([^|]*)|([^|]*)$/  
? ( $1 => {  
($2 ? ( base => $2 ) : ()),  
($3 ? ( todo => $3 ) : ()),  
(index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),  
(index($4, 'p') >= 0 ? ( provided => 1 ) : ()),  
(index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),  
) )  
: die "invalid spec: $_" } qw(  
AvFILLp|5.004050||p  
AvFILL||  
CLASS||n  
CX_CURPAD_SAVE||  
CX_CURPAD_SV||  
CopFILEAV|5.006000||p  
CopFILEGV_set|5.006000||p  
CopFILEGV|5.006000||p  
CopFILE_set|5.006000||p  
CopFILE|5.006000||p  
CopSTASHPV_set|5.006000||p  
CopSTASHPV|5.006000||p  
CopSTASH_eq|5.006000||p  
CopSTASH_set|5.006000||p  
CopSTASH|5.006000||p  
CopyD|5.009002||p  
Copy||  
CvPADLIST||  
CvSTASH||  
CvWEAKOUTSIDE||  

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ENTER|||
ERRSV|5.004050||p
EXTEND|||
EXTERN_C|5.005000||p
F0convert|||n
FREETMPS|||
GIMME_V|5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002||p
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G_DISCARD|||
G_EVAL|||
G_NOARGS|||
G_SCALAR|||
G_VOID|5.004000|
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Gv_AMupdate|||
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HeSVKEY|5.004000|
HeVAL|5.004000|
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IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
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IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
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IVTYPE|5.006000||p
IVdf|5.006000||p
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SvNOKp||
SvNOK||
SvNVX||
SvNV_set||
SvNVx||
SvNV||
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SvOOK||
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SvPOK_only_UTF8||5.006000|
SvPOK_only||
SvPOK_on||
SvPOKp||
SvPOK||
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SvPVX_mutable||5.009003||p
SvPVX||
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SvPV_force||
SvPV_nolen||5.006000||p
SvPV_nomg||5.007002||p
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SvPVbyte_force||5.009002|
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SvPVbyte_force_nomg||5.006000|
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SvPVutf8x_force_nomg||5.006000|
SvPVutf8x_force||5.006000|
SvPVutf8x||5.006000|
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SvPV||
SvREFCNT_dec||
SvREFCNT_inc||
SvREFCNT||
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SvROK_on||
SvROK||
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SvSHARE||5.007003|
SvSTASH_set||5.009003|5.009003|p
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call_list[5.004000]
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call_sv[5.006000]|p
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ck_bitop|||
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ck_return||
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ck_select||
ck_shift||
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cl_isanything||
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csighandler||[5.009003]

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is_handle_constructor
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is_uni_alpha
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is_uni_cntrl
is_uni_digit_lc
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is_uni_idfirst_lc
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my_memset
my_ntohl
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<td>sv_pvn</td>
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warn_nocontext|||vn
warner_nocontext|||vn
warner||5.006000|v
warn|||v
watch|||
whichsig|||
write_no_mem|||
write_to_stderr|||
yyerror|||
yylex|||
yyparse|||
yywarn|||
);
if (exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}
# Scan for possible replacement candidates
my(%replace, %need, %hints, %depends);
my $replace = 0;
my $hint = '';
while (<DATA>) {
if ($hint) {
if (m{^\s*\*\s(.*?)\s*$}) {
$hints{$hint} ||= ''; # suppress warning with older perls
$hints{$hint} .= "$1\n";
}
else {
$hint = '';
}
}
$hint = $1 if m{^\s*$rccs\sHint:\s+(\w+)\s*$};
$replace = $1 if m{^\s*$rccs\s+Replace:\s+(\d+)\s+$rcce\s*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(\w+).*$rccs\s+Replace\s+$rcce};
$replace{$1} = $2 if m{^\s*$rccs\s+Replace (\w+) with (\w+)\s+$rcce\s*$};
if (m{^\s*$rccs\s+(\w+)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcce\s*$}) {
push @{$depends{$1}}, map { s/\s+//g; $_ } split /,/, $2;

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$need{$1} = 1 if m{^\s*#if\s+defined\(NEED_\w+(\?\w+_GLOBAL)?\)\$};

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^/(.*)/$! ? $1 : "^Q$opt{'api-info'}\E\$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n=== $f ===\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base\n";
            $info++;
        }
        if ($API{$f}{provided}) {
            my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo\n";
            print "Support needs to be explicitly requested by NEED_$f\n" if exists $need{$f};
            print "Depends on: ", join(’, ’, @$depends{$f} ), ",\n" if exists $depends{$f};
            print "Hints\$f" if exists $hints{$f};
            $info++;
        }
        unless ($info) {
            print "No portability information available\n";
        }
        $count++;
    }
    if ($count > 0) {
        print "\n";
    } else {
        print "Found no API matching \$opt\{\'api-info\'}\n";
    }
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend'   if exists $depends{$f};
        push @flags, 'hint'     if exists $hints{$f};
        unless ($info) {
            print "No portability information available\n";
        }
        $count++;
    }
}
my $flags = @flags ? ' ['.join(', ', @flags).']' : '';
print "$f$flags\n";
}
exit 0;
}
my @files;
my @srcext = qw( xs c h cc cpp );
my $srcext = join '|', @srcext;
if (@ARGV) {
my %seen;
@files = grep { -f && !exists $seen{$_} } map { glob $_ } @ARGV;
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /\.($srcext)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($@) {
@files = map { glob "*.$_" } @srcext;
}
}
if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/\.($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
unless (@files) {
die "No input files given!\n";
}
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

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for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# temporarily remove C comments from the code
my @ccom;
$c =~ s{
(
[^"'/]+
|
(?:"[^"\\]*(?:\\.[^"\\]*)*" [^"'/]*)+
|
(?:'[^'\\]*(?:\\.[^'\\]*)*' [^"'/]*)+
)
|
(/ (?:
\*[^*]*\*+(?:[^$ccs][^*]*\*+)* /
|
/[^\r\n]*
))
}{
defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce";
}egsx;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = ($c =~ /#.*include.*\Q$ppport\E/);
my $func;
for $func (keys %API) {
my $match = $func;
$match .= "|$revreplace{$func}" if exists $revreplace{$func};
if ($c =~ /\b(?:Perl_)?($match)\b/) {
$file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
$file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
if (exists $API{$func}{provided}) {

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if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
$file{uses}{$func}++;
my @deps = rec_depend($func);
if (@deps) {
$file{uses_deps}{$func} = \@deps;
for (@deps) {
$file{uses}{$_} = 0 unless exists $file{uses}{$_};
}
}
for ($func, @deps) {
if (exists $need{$_}) {
$file{needs}{$_} = 'static';
}
}
}
}
if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
if ($c =~ /\b$func\b/) {
$file{uses_todo}{$func}++;
}
}
}
}
while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
if (exists $need{$2}) {
$file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
}
else {
warning("Possibly wrong #define $1 in $filename");
}
}
for (qw(uses needs uses_todo needed_global needed_static)) {
for $func (keys %{$file{$_}}) {
push @{$global{$_}{$func}}, $filename;
}
}
$files{$filename} = \%file;
}
# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
if (@{$global{needs}{$need}} > 1) {
my @targets = @{$global{needs}{$need}};
my @t = grep $files{$_}{needed_global}{$need}, @targets;

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@targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
$files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}
for $filename (@files) {
exists $files{$filename} or next;
info("=== Analyzing $filename ===");
my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
for $func (sort keys %{$file{uses_Perl}}) {
if ($API{$func}{varargs}) {
my $changes = ($c =~ s{\b(Perl_$func\s*\(\s*)(?!aTHX_?)(\)|[^\s)]*\))}
{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ') . $2 }ge);
if ($changes) {
warning("Doesn't pass interpreter argument aTHX to Perl_$func");
$file{changes} += $changes;
}
}
else {
warning("Uses Perl_$func instead of $func");
$file{changes} += ($c =~ s{\bPerl_$func(\s*)\((\s*aTHX_?)?\s*}
{$func$1(}g);
}
}
for $func (sort keys %{$file{uses_replace}}) {
warning("Uses $func instead of $replace{$func}");
$file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}
for $func (sort keys %{$file{uses}}) {
next unless $file{uses}{$func}; # if it's only a dependency
if (exists $file{uses_deps}{$func}) {
diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
}
elsif (exists $replace{$func}) {
warning("Uses $func instead of $replace{$func}");

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$file{changes} += ($c =~ s/$func/$replace{$func}/g);
}
else {
    diag("Uses $func");
}
hint($func);

for $func (sort keys %{$file{uses_todo}}) {
    warning("Uses $func, which may not be portable below perl ",
        format_version(API{$func}{todo}));
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}{$func}) {
        $message = "No need to define NEED_$func if $func is never used";
    }
    elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*define$HS+NEED_$func$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $file{uses}{$func}) {
        $message = "No need to define NEED_$func_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_$func_GLOBAL when already needed globally";
        }
        elsif ($file{needs}{$func} eq 'static') {
            $message = "No need to define NEED_$func_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*define$HS+NEED_$funcGLOBAL$LF//mg);
    }
}

$file{needs_inc_ppport} = keys %{$file{uses}};
if ($file{needs_inc_ppport}) {
  my $pp = "",

  for $func (sort keys %{$file{needs}}) {
    my $type = $file{needs}[$func];
    next if $type eq 'extern';
    my $suffix = $type eq 'global' ? '_GLOBAL' : '';
    unless (exists $file{'needed_$type'}[$func]) {
      if ($type eq 'global') {
        diag("Files [@ {$global{needs}[$func]}] need $func, adding global request");
      } else {
        diag("File needs $func, adding static request");
      }
      $pp .= "#define NEED_$func$suffix\n";
    }
  }

  if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
    $pp = "",
    $file{changes}++;
  }

  unless ($file{has_inc_ppport}) {
    diag("Needs to include \'$ppport'");
    $pp .= "#include "$ppport\n"
  } else {
    if ($file{has_inc_ppport}) {
      diag("No need to include \'$ppport'");
      $file{changes} += ($c =~ s/^\(\$/\$/Spp/th) || ($c =~ s/^(?=$HS*?#$HS*include.*?\Q$ppport\E.*)$/Spp/m)
    }
  } else {
    if ($file{has_inc_ppport}) {
      diag("No need to include \'$ppport'");
      $file{changes} += ($c =~ s/\(^\$/\$/Spp/th) || ($c =~ s/^(?=$HS*?#$HS*include.*XSUB.*?\s*?)$/Spp/m)
    } else {
      my $ix;
      my $cppc = 0;
      my @ccom = @{$file{ccom}};
      for $ix (0 .. $#ccom) {
        if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
          if (!opt{cplusplus} && $ccom[$ix] =~ s!^//!!!) {
            # put back in our C comments
            my $ixs;
            my $cppcs = 0;
            for $ixs (0 .. $#ccom) {
              if (!opt{cplusplus} && $ccom[$ixs] =~ s!^//!!!) {
                "$cpps = "$cpps,"$cppc = "$cppc;
              }
            }
          }
        }
      }
    }
  }
}
$cppc++;  
$file{changes} += $c =~ s/$rcc$six$rccce/$cc$scom[$ix] $cce/;
}
else {
$c =~ s/$rcc$six$rccce/$ccom[$ix]/;
}

if ($cppc) {
my $s = $cppc != 1 ? 's' : ';
warning("Uses $cppc C++ style comment$s, which is not portable");
}

if ($file{changes}) {
if (exists $opt{copy}) {
my $newfile = "$filename$opt{copy}";
if (-e $newfile) {
error("$newfile' already exists, refusing to write copy of '$filename'");
}
else {
local *F;
if (open F, ">$newfile") {
info("Writing copy of '$filename' with changes to '$newfile'");
print F $c;
close F;
}
else {
error("Cannot open '$newfile' for writing: $!");
}
}
else {
elsif (exists $opt{patch} || $opt{changes}) {
if (exists $opt{patch}) {
unless ($patch_opened) {
if (open PATCH, ">$opt{patch}") {
$patch_opened = 1;
}
else {
error("Cannot open '$opt{patch}' for writing: $!");
delete $opt{patch};
$opt{changes} = 1;
goto fallback;
}
mydiff($PATH, $filename, $c);
}
else {
mydiff($PATH, $filename, $c);
}
else {
fallback:
info("Suggested changes:");
mydiff(*STDOUT, $filename, $c);
}
}
else {
  my $s = $file{changes} == 1 ? ":'s; info("$file{changes} potentially required change$s detected");
}
}
else {
  info("Looks good");
}
}

close PATCH if $patch_opened;

exit 0;

sub mydiff {
  local *F = shift;
  my($file, $str) = @_;
  my $diff;

  if (exists $opt{diff}) {
    $diff = run_diff($opt{diff}, $file, $str);
  }

  if (!defined $diff and can_use('Text::Diff')) {
    $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
    $diff = <<HEADER . $diff;
    --- $file
    +++ $file.patched
    HEADER
  }

  if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
  }

  if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
  }

  if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
  }

  if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
  }

  info("Looks good");
}


sub run_diff
{
    my($prog, $file, $str) = @_; 
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = ";
    local *F;

    while (-e "$tmp.$suf") { $suf++; }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/$tmp/$file.patched/;
                $diff .= $_;
            }
            close F;
            unlink $tmp;
        }
        return $diff;
    }
    else {
        error("Cannot open '$tmp' for writing: $!");
    }
    return undef;
}

sub can_use
{
    eval "use @_;";
    return $@ eq ""
}

sub rec_depend
{
my $func = shift;
my %seen;
return () unless exists $depends{$func};
grep !$seen{$_}++, map { ($_, rec_depend($_,)) } @{$depends{$func}};
}

sub parse_version
{
my $ver = shift;

if ($ver =~ /^\d+(\d+)(\d+)$/) {
    return ($1, $2, $3);
}
elsif ($ver !~ /^\d+\(\d_\)+$/) {
    die "cannot parse version '$ver'
};

$ver =~ s/\_//g;
$ver =~ s/\$/000000/;
my($r,$v,$s) = $ver =~ /\d+:(\d{3})(\d{3})/;
$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "cannot parse version '$ver'
};
}

return ($r, $v, $s);
}

sub format_version
{
my $ver = shift;

$ver =~ s/$/000000/;
my($r,$v,$s) = $ver =~ /\d+:(\d{3})(\d{3})/;
$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "invalid version '$ver'
};
}
$s /= 10;

$ver = sprintf "%.03d", $r, $v;
$s > 0 and $ver .= sprintf "_.%02d", $s;

return $ver;
}

return sprintf "%.d.%d.%d", $r, $v, $s;
}

sub info
{
$opt{quiet} and return;
print @_; "n";
}

sub diag
{
$opt{quiet} and return;
$opt{diag} and print @_; "n";
}

sub warning
{
$opt{quiet} and return;
print "*** ", @_; "n";
}

sub error
{
print "*** ERROR: ", @_; "n";
}

my %given_hints;
sub hint
{
$opt{quiet} and return;
$opt{hints} or return;
my $func = shift;
exists $hints{$func} or return;
$given_hints{$func}++ and return;
my $hint = $hints{$func};
$hint =~ s/^/   /mg;
print "   --- hint for $func ---
", $hint;
Sys::Syslog::Win32 - Win32 support for Sys::Syslog

This module is a back-end plugin for C<Sys::Syslog>, for supporting the Win32 event log. It is not expected to be directly used by any module other than C<Sys::Syslog> therefore it's API may change at any time and no warranty is made with regards to backward compatibility. You Have Been Warned.

SEE ALSO
L<Sys::Syslog>

AUTHORS
SE<eacute>bastien Aperghis-Tramoni and Yves Orton

LICENSE
This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

---
abstract: 'Perl interface to the UNIX syslog(3) calls'
author:
  - 'Sebastien Aperghis-Tramoni <sebastien@aperghis.net>'
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.120921'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Sys-Syslog
no_index:
directory:
  - t
  - inc
requires:
  Carp: 0
  Fcntl: 0
  File::Basename: 0
  File::Spec: 0
  POSIX: 0
  Socket: 0
  Test::More: 0
  XSLoader: 0
resources:
  repository: https://github.com/maddingue/Sys-Syslog.git
  version: 0.33

Found in path(s):
  */opt/cola/permits/1116478724_1608180934.23/0/perl-Sys-Syslog-0.33-3.el7.src.rpm-cosi-expand-archive-u0Ab9Cqr/Sys-Syslog-0.33.tar.gz-cosi-expand-archive-qHKC2kJx/Sys-Syslog-0.33/META.yml
No license file was found, but licenses were detected in source scan.

=head1 NAME
Sys::Syslog - Perl interface to the UNIX syslog(3) calls

=head1 VERSION
This is the documentation of version 0.33

=head1 SYNOPSIS

use Sys::Syslog;          # all except setlogsock()
use Sys::Syslog qw(:standard :macros);  # standard functions & macros

openlog($ident, $logopt, $facility);  # don't forget this
syslog($priority, $format, @args);
$oldmask = setlogmask($mask_priority);
closelog();

=head1 DESCRIPTION

C<Sys::Syslog> is an interface to the UNIX C<syslog(3)> program. Call C<syslog()> with a string priority and a list of C<printf()> args just like C<syslog(3)>.

=head1 EXPORTS

C<Sys::Syslog> exports the following C<Exporter> tags:

=over 4
=item *
C<:standard> exports the standard C<syslog(3)> functions:

    openlog closelog setlogmask syslog

=item *
C<:extended> exports the Perl specific functions for C<syslog(3)>:

    setlogsock

=item *
C<:macros> exports the symbols corresponding to most of your C<syslog(3)> macros and the C<LOG_UPTO()> and C<LOG_MASK()> functions. See L<"CONSTANTS"> for the supported constants and their meaning.

=back

By default, C<Sys::Syslog> exports the symbols from the C<:standard> tag.

=head1 FUNCTIONS

=over 4

=item B<openlog($ident, $logopt, $facility)>

Opens the syslog.
C<$ident> is prepended to every message. C<$logopt> contains zero or
more of the options detailed below. \texttt{C<$facility> \textvisiblespace} specifies the part of the system to report about, for example \texttt{C<LOG_USER> \textvisiblespace} or \texttt{C<LOG_LOCAL0>}: see \texttt{L<"Facilities"> \textvisiblespace} for a list of well-known facilities, and your \texttt{C<syslog(3) \textvisiblespace} documentation for the facilities available in your system. Check \texttt{L<"SEE ALSO" \textvisiblespace} for useful links. Facility can be given as a string or a numeric macro.

This function will croak if it can't connect to the syslog daemon.

Note that \texttt{C<openlog()> \textvisiblespace} now takes three arguments, just like \texttt{C<openlog(3)>}.

\textbf{You should use} \texttt{C<openlog()> \textvisiblespace} before calling \texttt{C<syslog()>}.

\textbf{Options}

\texttt{=over 4}

\item \texttt{*}

\texttt{C<cons> \textvisiblespace} - This option is ignored, since the failover mechanism will drop down to the console automatically if all other media fail.

\item \texttt{*}

\texttt{C<ndelay> \textvisiblespace} - Open the connection immediately (normally, the connection is opened when the first message is logged).

\item \texttt{*}

\texttt{C<noeol> \textvisiblespace} - When set to true, no end of line character (\texttt{C<\n> \textvisiblespace}) will be appended to the message. This can be useful for some buggy syslog daemons.

\item \texttt{*}

\texttt{C<nofatal> \textvisiblespace} - When set to true, \texttt{C<openlog()> \textvisiblespace} and \texttt{C<syslog()> \textvisiblespace} will only emit warnings instead of dying if the connection to the syslog can't be established.

\item \texttt{*}

\texttt{C<nonul> \textvisiblespace} - When set to true, no \texttt{C<NUL> \textvisiblespace} character (\texttt{C<\0> \textvisiblespace}) will be appended to the message. This can be useful for some buggy syslog daemons.

\item \texttt{*}

\texttt{C<nowait> \textvisiblespace} - Don't wait for child processes that may have been created while logging the message. (The GNU C library does not create a child process, so this option has no effect on Linux.)
C<perror> - Write the message to standard error output as well to the system log (added in C<Sys::Syslog> 0.22).

C<pid> - Include PID with each message.

B<Examples>

Open the syslog with options C<ndelay> and C<pid>, and with facility C<LOCAL0>:

    openlog($name, "ndelay,pid", "local0");

Same thing, but this time using the macro corresponding to C<LOCAL0>:

    openlog($name, "ndelay,pid", LOG_LOCAL0);

=item B<syslog($priority, $message)>

=item B<syslog($priority, $format, @args)>

If C<$priority> permits, logs C<$message> or C<sprintf($format, @args)> with the addition that C<%m> in $message or C<$format> is replaced with C<"$!"> (the latest error message).

C<$priority> can specify a level, or a level and a facility. Levels and facilities can be given as strings or as macros. When using the C<eventlog> mechanism, priorities C<DEBUG> and C/INFO> are mapped to event type C<informational>, C<NOTICE> and C<WARNING> to C<warning> and C<ERR> to C<EMERG> to C<error>.

If you didn't use C<openlog()> before using C<syslog()>, C<syslog()> will try to guess the C<$ident> by extracting the shortest prefix of C<$format> that ends in a C<":">.

B<Examples>

    # informational level
    syslog("info", $message);
    syslog(LOG_INFO, $message);

    # information level, Local0 facility
syslog("info|local0", $message);
syslog(LOG_INFO|LOG_LOCAL0, $message);

=item B<Note>

C<Sys::Syslog> version v0.07 and older passed the C<$message> as the formatting string to C<sprintf()> even when no formatting arguments were provided. If the code calling C<syslog()> might execute with older versions of this module, make sure to call the function as C<syslog($priority, "%s", $message)> instead of C<syslog($priority, $message)>). This protects against hostile formatting sequences that might show up if $message contains tainted data.

=back

=item B<setlogmask($mask_priority)>

Sets the log mask for the current process to C<$mask_priority> and returns the old mask. If the mask argument is 0, the current log mask is not modified. See L<"Levels"> for the list of available levels. You can use the C<LOG_UPTO()> function to allow all levels up to a given priority (but it only accept the numeric macros as arguments).

B<Examples>

Only log errors:

setlogmask( LOG_MASK(LOG_ERR) );

Log everything except informational messages:

setlogmask( ~(LOG_MASK(LOG_INFO)) );

Log critical messages, errors and warnings:

setlogmask( LOG_MASK(LOG_CRIT)
             | LOG_MASK(LOG_ERR)
             | LOG_MASK(LOG_WARNING) );

Log all messages up to debug:

setlogmask( LOG_UPTO(LOG_DEBUG) );

=item B<setlogsock()>
Sets the socket type and options to be used for the next call to C<openlog()> or C<syslog()>. Returns true on success, C<undef> on failure.

Being Perl-specific, this function has evolved along time. It can currently be called as follow:

=over

=item *
C<setlogsock($sock_type)>

=item *
C<setlogsock($sock_type, $stream_location)> (added in Perl 5.004_02)

=item *
C<setlogsock($sock_type, $stream_location, $sock_timeout)> (added in C<Sys::Syslog> 0.25)

=item *
C<setlogsock(%options)> (added in C<Sys::Syslog> 0.28)

=back

The available options are:

=over

=item *
C<type> - equivalent to C<$sock_type>, selects the socket type (or "mechanism"). An array reference can be passed to specify several mechanisms to try, in the given order.

=item *
C<path> - equivalent to C<$stream_location>, sets the stream location. Defaults to standard Unix location, or C<_PATH_LOG>.

=item *
C<timeout> - equivalent to C<$sock_timeout>, sets the socket timeout in seconds. Defaults to 0 on all systems except S<Mac OS X> where it is set to 0.25 sec.
C<host> - sets the hostname to send the messages to. Defaults to the local host.

C<port> - sets the TCP or UDP port to connect to. Defaults to the first standard syslog port available on the system.

The available mechanisms are:

C<native> - use the native C functions from your C<syslog(3)> library (added in C<Sys::Syslog> 0.15).

C<eventlog> - send messages to the Win32 events logger (Win32 only; added in C<Sys::Syslog> 0.19).

C<tcp> - connect to a TCP socket, on the C<syslog/tcp> or C<syslogng/tcp> service. See also the C<host>, C<port> and C<timeout> options.

C<udp> - connect to a UDP socket, on the C<syslog/udp> service. See also the C<host>, C<port> and C<timeout> options.

C<inet> - connect to an INET socket, either TCP or UDP, tried in that order. See also the C<host>, C<port> and C<timeout> options.

C<unix> - connect to a UNIX domain socket (in some systems a character special device). The name of that socket is given by the C<path> option or, if omitted, the value returned by the C<_PATH_LOG> macro (if your
system defines it), F</dev/log> or F</dev/conslog>, whichever is writable.

=item *

C"stream" - connect to the stream indicated by the C<path> option, or, if omitted, the value returned by the C_PATH_LOG macro (if your system defines it), F</dev/log> or F</dev/conslog>, whichever is writable. For example Solaris and IRIX system may prefer C"stream" instead of C"unix".

=item *

C"pipe" - connect to the named pipe indicated by the C<path> option, or, if omitted, to the value returned by the C_PATH_LOG macro (if your system defines it), or F</dev/log> (added in C<Sys::Syslog> 0.21). HP-UX is a system which uses such a named pipe.

=item *

C"console" - send messages directly to the console, as for the C"cons" option of C<openlog()>.

=back

The default is to try C<native>, C<tcp>, C<udp>, C<unix>, C<pipe>, C<stream>, C<console>.

Under systems with the Win32 API, C<eventlog> will be added as the first mechanism to try if C<Win32::EventLog> is available.

Giving an invalid value for C<$sock_type> will C<croak>.

B<Examples>

Select the UDP socket mechanism:

    setlogsock("udp");

Send messages using the TCP socket mechanism on a custom port:

    setlogsock({ type => "tcp", port => 2486 });

Send messages to a remote host using the TCP socket mechanism:

    setlogsock({ type => "tcp", host => $loghost });

Try the native, UDP socket then UNIX domain socket mechanisms:

    setlogsock(["native", "udp", "unix"]);
Now that the "native" mechanism is supported by `Sys::Syslog` and selected by default, the use of the `setlogsock()` function is discouraged because other mechanisms are less portable across operating systems. Authors of modules and programs that use this function, especially its cargo-cult form `setlogsock("unix")`, are advised to remove any occurrence of it unless they specifically want to use a given mechanism (like TCP or UDP to connect to a remote host).

Closes the log file and returns true on success.

**THE RULES OF SYS::SYSLOG**

**The First Rule of Sys::Syslog is:**
You do not call `setlogsock`.

**The Second Rule of Sys::Syslog is:**
You **do not** call `setlogsock`.

**The Third Rule of Sys::Syslog is:**
The program crashes, `die`'s, calls `closelog`, the log is over.

**The Fourth Rule of Sys::Syslog is:**
One facility, one priority.

**The Fifth Rule of Sys::Syslog is:**
One log at a time.

**The Sixth Rule of Sys::Syslog is:**
No `syslog` before `openlog`.

**The Seventh Rule of Sys::Syslog is:**
Logs will go on as long as they have to.

**The Eighth, and Final Rule of Sys::Syslog is:**
If this is your first use of Sys::Syslog, you must read the doc.
=head1 EXAMPLES

An example:

    openlog($program, 'cons,pid', 'user');
    syslog('info', '%s', 'this is another test');
    syslog('mail|warning', 'this is a better test: %d', time);
    closelog();

    syslog('debug', 'this is the last test');

Another example:

    openlog("$program $$", 'ndelay', 'user');
    syslog('notice', 'fooprogram: this is really done');

Example of use of C<%m>:

    $! = 55;
    syslog('info', 'problem was %m');  # %m == $! in syslog(3)

Log to UDP port on C<$remotehost> instead of logging locally:

    setlogsock("udp", $remotehost);
    openlog($program, 'ndelay', 'user');
    syslog('info', 'something happened over here');

=head1 CONSTANTS

=head2 Facilities

=over 4

=item *

C<LOG_AUDIT> - audit daemon (IRIX); falls back to C<LOG_AUTH>

=item *

C<LOG_AUTH> - security/authorization messages

=item *

C<LOG_AUTHPRIV> - security/authorization messages (private)
C<LOG_CONSOLE> - C</dev/console> output (FreeBSD); falls back to C<LOG_USER>

=item *

C<LOG_CRON> - clock daemons (B<cron> and B<at>)

=item *

C<LOG_DAEMON> - system daemons without separate facility value

=item *

C<LOG_FTP> - FTP daemon

=item *

C<LOG_KERN> - kernel messages

=item *

C<LOG_INSTALL> - installer subsystem (Mac OS X); falls back to C<LOG_USER>

=item *

C<LOG_LAUNCHD> - launchd - general bootstrap daemon (Mac OS X); falls back to C<LOG_DAEMON>

=item *

C<LOG_LFMT> - logalert facility; falls back to C<LOG_USER>

=item *

C<LOG_LOCAL0> through C<LOG_LOCAL7> - reserved for local use

=item *

C<LOG_LPR> - line printer subsystem

=item *

C<LOG_MAIL> - mail subsystem

=item *

C<LOG_NETINFO> - NetInfo subsystem (Mac OS X); falls back to C<LOG_DAEMON>

=item *
C<LOG_NEWS> - USENET news subsystem

=C<LOG_NTP> - NTP subsystem (FreeBSD, NetBSD); falls back to C<LOG_DAEMON>

=C<LOG_RAS> - Remote Access Service (VPN / PPP) (Mac OS X);
falls back to C<LOG_AUTH>

=C<LOG_REMOTEAUTH> - remote authentication/authorization (Mac OS X);
falls back to C<LOG_AUTH>

=C<LOG_SECURITY> - security subsystems (firewalling, etc.) (FreeBSD);
falls back to C<LOG_AUTH>

=C<LOG_SYSLOG> - messages generated internally by B<syslogd>

=C<LOG_USER> (default) - generic user-level messages

=C<LOG_UUCP> - UUCP subsystem

=head2 Levels

=over 4

=C<LOG_EMERG> - system is unusable

=C<LOG_ALERT> - action must be taken immediately
=item *

C<LOG_CRIT> - critical conditions

=item *

C<LOG_ERR> - error conditions

=item *

C<LOG_WARNING> - warning conditions

=item *

C<LOG_NOTICE> - normal, but significant, condition

=item *

C<LOG_INFO> - informational message

=item *

C<LOG_DEBUG> - debug-level message

=back

=head1 DIAGNOSTICS

=over

=item C<Invalid argument passed to setlogsock>

B<(F)> You gave C<setlogsock()> an invalid value for C<$sock_type>.

=item C<eventlog passed to setlogsock, but no Win32 API available>

B<(W)> You asked C<setlogsock()> to use the Win32 event logger but the operating system running the program isn't Win32 or does not provides Win32 compatible facilities.

=item C<no connection to syslog available>

B<(F)> C<syslog()> failed to connect to the specified socket.

=item C<stream passed to setlogsock, but %s is not writable>
B<(W)> You asked C<setlogsock>() to use a stream socket, but the given path is not writable.

=item C<stream passed to setlogsock, but could not find any device>

B<(W)> You asked C<setlogsock>() to use a stream socket, but didn't provide a path, and C<Sys::Syslog> was unable to find an appropriate one.

=item C<tcp passed to setlogsock, but tcp service unavailable>

B<(W)> You asked C<setlogsock>() to use a TCP socket, but the service is not available on the system.

=item C<syslog: expecting argument %s>

B<(F)> You forgot to give C<syslog()> the indicated argument.

=item C<syslog: invalid level/facility: %s>

B<(F)> You specified an invalid level or facility.

=item C<syslog: too many levels given: %s>

B<(F)> You specified too many levels.

=item C<syslog: too many facilities given: %s>

B<(F)> You specified too many facilities.

=item C<syslog: level must be given>

B<(F)> You forgot to specify a level.

=item C<udp passed to setlogsock, but udp service unavailable>

B<(W)> You asked C<setlogsock>() to use a UDP socket, but the service is not available on the system.

=item C<unix passed to setlogsock, but path not available>

B<(W)> You asked C<setlogsock>() to use a UNIX socket, but C<Sys::Syslog> was unable to find an appropriate an appropriate device.

=back

=head1 HISTORY
C\texttt{Sys::Syslog} is a core module, part of the standard Perl distribution since 1990. At this time, modules as we know them didn't exist, the Perl library was a collection of \texttt{.pl} files, and the one for sending syslog messages was simply \texttt{lib/syslog.pl}, included with Perl 3.0. It was converted as a module with Perl 5.0, but had a version number only starting with Perl 5.6. Here is a small table with the matching Perl and C\texttt{Sys::Syslog} versions.

<table>
<thead>
<tr>
<th>Sys::Syslog</th>
<th>Perl</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>------------</td>
</tr>
<tr>
<td>undef</td>
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<td>5.6.*</td>
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<td>0.27</td>
<td>5.8.9, 5.10.1 ~ 5.14.2</td>
</tr>
<tr>
<td>0.29</td>
<td>5.16.0, 5.16.1</td>
</tr>
</tbody>
</table>

=head1 SEE ALSO

=head2 Other modules

L\texttt{Log::Log4perl} - Perl implementation of the Log4j API

L\texttt{Log::Dispatch} - Dispatches messages to one or more outputs

L\texttt{Log::Report} - Report a problem, with exceptions and language support

=head2 Manual Pages

L\texttt{syslog(3)}

SUSv3 issue 6, IEEE Std 1003.1, 2004 edition,
L\texttt{http://www.opengroup.org/onlinepubs/000095399/basedefs/syslog.h.html}

GNU C Library documentation on syslog,
L\texttt{http://www.gnu.org/software/libc/manual/html_node/Syslog.html}

Solaris 10 documentation on syslog,
L\texttt{http://docs.sun.com/app/docs/doc/816-5168/syslog-3c?a=view}

Mac OS X documentation on syslog,
IRIX 6.5 documentation on syslog,  
L<http://techpubs.sgi.com/library/tpl/cgi-bin/getdoc.cgi?coll=0650&db=man&fname=3c+syslog>

AIX 5L 5.3 documentation on syslog,  

HP-UX 11i documentation on syslog,  
L<http://docs.hp.com/en/B2355-60130/syslog.3C.html>

Tru64 5.1 documentation on syslog,  

Stratus VOS 15.1,  

=head2 RFCs

-- Please note that this is an informational RFC, and therefore does not specify a standard of any kind.

I<RFC 3195 - Reliable Delivery for syslog>, L<http://www.faqs.org/rfcs/rfc3195.html>

=head2 Articles

I<Syslogging with Perl>, L<http://lexington.pm.org/meetings/022001.html>

=head2 Event Log

Windows Event Log,  

=head1 AUTHORS & ACKNOWLEDGEMENTS

Tom Christiansen E<lt>F<tchrist (at) perl.com>E<gt> and Larry Wall  
E<lt>F<larry (at) wall.org>E<gt>.

UNIX domain sockets added by Sean Robinson  
E<lt>F<robinson_s (at) sc.maricopa.edu>E<gt> with support from Tim Bunce  
E<lt>F<Tim.Bunce (at) ig.co.uk>E<gt> and the C<perl5-porters> mailing list.

Dependency on F<syslog.ph> replaced with XS code by Tom Hughes  
E<lt>F<tom (at) compton.nu>E<gt>.

Code for C<constant()>s regenerated by Nicholas Clark E<lt>F<nick (at) ccl4.org>E<gt>.
Failover to different communication modes by Nick Williams
E<lt>F<Nick.Williams (at) morganstanley.com>E<gt>.

Extracted from core distribution for publishing on the CPAN by
SE<acute>bastien Aperghis-Tramoni E<lt>sebastien (at) aperghis.netE<gt>.

XS code for using native C functions borrowed from C<L<Unix::Syslog>>,
written by Marcus Harnisch E<lt>F<marcus.harnisch (at) gmx.net>E<gt>.

Yves Orton suggested and helped for making C<Sys::Syslog> use the native
event logger under Win32 systems.

Jerry D. Hedden and Reini Urban provided greatly appreciated help to
debug and polish C<Sys::Syslog> under Cygwin.

=head1 BUGS

Please report any bugs or feature requests to
C<bug-sys-syslog (at) rt.cpan.org>, or through the web interface at
I will be notified, and then you'll automatically be notified of progress on
your bug as I make changes.

=head1 SUPPORT

You can find documentation for this module with the perldoc command.

    perldoc Sys::Syslog

You can also look for information at:

=over 4

=item * AnnoCPAN: Annotated CPAN documentation
L<http://annocpan.org/dist/Sys-Syslog>

=item * CPAN Ratings
L<http://cpanratings.perl.org/d/Sys-Syslog>

=item * RT: CPAN's request tracker
=item * Search CPAN

L<http://search.cpan.org/dist/Sys-Syslog/>

=item * MetaCPAN

L<https://metacpan.org/module/Sys::Syslog>

=item * Perl Documentation

L<http://perldoc.perl.org/Sys/Syslog.html>

=back

=head1 COPYRIGHT

Copyright (C) 1990-2012 by Larry Wall and others.

=head1 LICENSE

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

=begin comment

Notes for the future maintainer (even if it's still me..)

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

Using Google Code Search, I search who on Earth was relying on $host being public. It found 5 hits:

* First was inside Indigo Star Perl2exe documentation. Just an old version of Sys::Syslog.

* One real hit was inside DalWeatherDB, a weather related program. It simply does a

  $Sys::Syslog::host = '127.0.0.1';

  - L<http://www.gallistel.net/nparker/weather/code/>

* Two hits were in TPC, a fax server thingy. It does a
$Sys::Syslog::host = $TPC::LOGHOST;

but also has this strange piece of code:

    # work around perl5.003 bug
    sub Sys::Syslog::hostname {}

I don’t know what bug the author referred to.

- L<http://www.tpc.int/>

* Last hit was in Filefix, which seems to be a FIDOnet mail program (!). This one does not use $host, but has the following piece of code:

    sub Sys::Syslog::hostname
    {
        use Sys::Hostname;
        return hostname;
    }

I guess this was a more elaborate form of the previous bit, maybe because of a bug in Sys::Syslog back then?


Links
-----
Linux Fast-STREAMS
- L<http://www.openss7.org/streams.html>

II12021: SYSLOGD HOWTO TCP/IPINFO (z/OS, OS/390, MVS)

Getting the most out of the Event Viewer

Log events to the Windows NT Event Log with JNI

=end comment

Found in path(s):
* /opt/cola/permits/1116478724_1608180934.23/0/perl-Sys-Syslog-0.33-3.el7.src.rpm-cosi-expand-archive-u0Ab9Cqr/Sys-Syslog-0.33.tar.gz-cosi-expand-archive-qHKC2kJx/Sys-Syslog-0.33/Syslog.pm
No license file was found, but licenses were detected in source scan.

NAME

Sys::Syslog - Perl interface to the UNIX syslog(3) calls

DESCRIPTION

Sys::Syslog is an interface to the UNIX syslog(3) program. Call syslog() with a string priority and a list of printf() args just like syslog(3).

INSTALLATION

To install this module, run the following commands:

$ perl Makefile.PL
$ make
$ make test
$ make install

An ANSI-compliant compiler is required to compile the extension.

Sys::Syslog should work on any Perl since 5.6.0. This module is regularly compiled and tested by the CPAN Testers on various combinations of Perl and operating systems.

See also the corresponding CPAN Testers page:
http://testers.cpan.org/show/Sys-Syslog.html

SUPPORT AND DOCUMENTATION

After installing, you can find documentation for this module with the perldoc command.

perldoc Sys::Syslog

You can also look for information at:

Search CPAN
http://search.cpan.org/dist/Sys-Syslog/

MetaCPAN
https://metacpan.org/module/Sys::Syslog
CPAN Request Tracker:
http://rt.cpan.org/NoAuth/Bugs.html?Dist=Sys-Syslog

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1.632 orm-core 5.4.12.Final
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1.633 trousers 0.3.13-1.el7

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1.634 go-sockaddr 1.0.2

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1.635 libnetfilter-conntrack 1.0.7 1

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1.639 cpp 4.9.2-10
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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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(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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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
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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
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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
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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
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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.

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

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossler provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn’t
made it into the released version of the collector, yet.)
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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1.648 curl 7.69.1-1.el7_7.0atomix1

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

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

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(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

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### golcs - https://github.com/yudai/golcs

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## cli.go - https://github.com/codegangsta/cli

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## ginkgo - https://github.com/onsi/ginkgo

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

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If your license has expired most of Grafana keeps working as normal. Some enterprise functionality stops or runs with reduced functionality and Grafana displays a banner informing the users that Grafana is running on an expired license. Your Grafana admin needs to upload a new license file to restore full functionality.

> Replace your license as soon as possible. Running Grafana Enterprise with an expired license is unsupported and can lead to unexpected consequences.

## Update your license

1. Locate your current `license.jwt` file. In a standard installation it is stored inside Grafana's data directory, which on a typical Linux installation is in `/var/lib/grafana/data`. This location might be overridden in the ini file [Configuration](https://grafana.com/docs/grafana/latest/installation/configuration/)

```
[enterprise]
license_path = /path/to/your/license.jwt
```

The configuration file's location may also be overridden by the `GF_ENTERPRISE_LICENSE_PATH` environment variable.

2. Log in to your [Grafana.com](https://grafana.com/login) user and make sure you're in the correct organization in the dropdown at the top of the page.

3. Under the **Grafana Enterprise** section in the menu bar to the left, choose licenses and download the currently valid license with which you want to run Grafana. If you cannot see a valid license on Grafana.com, please contact your account manager at Grafana Labs to renew your subscription.

4. Replace the current `license.jwt`-file with the one you've just downloaded.

5. Restart Grafana.

## Data source permissions
Your current data source permissions will keep working as expected, but you'll be unable to add new data source permissions until the license has been renewed.

## LDAP authentication

* LDAP synchronization is not affected by an expired license.
* Enhanced LDAP debugging is unavailable.

## SAML authentication

SAML authentication is not affected by an expired license.

## Reporting

* You're unable to configure new reports or generate previews.
* Scheduled reports are not generated or sent.

## Enterprise plugins

Enterprise plugins might stop working.

## White labeling

The white labeling feature is turned off, meaning that any white labeling options will not have any effect.

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1.660 zlib 1.2.5
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/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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

*/

1.661 snappy-java 1.1.4

1.662 spring-boot-starter-validation

2.2.6.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068412425_1594388307.18/0/spring-boot-starter-validation-2-2-6-release-
    sources-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-validation/pom.xml

1.663 masterminds-semver 1.1.1

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1.664 gophercloud 0.1.0

1.664.1 Available under license :

/*
   Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

   Example to List RESOURCE

   Example to Create a RESOURCE

   Example to Update a RESOURCE

   Example to Delete a RESOURCE

*/
package RESOURCE
package testing

import (  
  "testing"
  "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
  "github.com/gophercloud/gophercloud/pagination"
  th "github.com/gophercloud/gophercloud/testhelper"
  "github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
  th.SetupHTTP()
  defer th.TeardownHTTP()
  HandleListResourcesSuccessfully(t)
  count := 0
}
    count++

    actual, err := resources.ExtractResources(page)
    th.AssertNoErr(t, err)

    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
    return true, nil
})

th.AssertNoErr(t, err)
th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)

    createOpts := resources.CreateOpts{
        Name: "resource two",
    }

    actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
    th.AssertNoErr(t, err)
func TestDeleteResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleDeleteResourceSuccessfully(t)

    res := resources.Delete(client.ServiceClient(), "9fe1d3")
    th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleUpdateResourceSuccessfully(t)

    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

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Step 7: Congratulations!

At this point your code is merged and you've either fixed a bug or added a new
feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your
patience as well as the time you have taken for working on this. You've made
Gophercloud a better project with your work.

package testing

import (  
"fmt"  
"net/http"  
"testing"

"github.com/gophercloud/gophercloud/openstack/service/vN/resources"  
th "github.com/gophercloud/gophercloud/testhelper"  
"github.com/gophercloud/gophercloud/testhelper/client"
)

// ListResult provides a single page of RESOURCE results.
const ListResult = `  
{  
}`
// GetResult provides a Get result.
const GetResult = {
}

// CreateRequest provides the input to a Create request.
const CreateRequest = {
}

// UpdateRequest provides the input to as Update request.
const UpdateRequest = {
}

// UpdateResult provides an update result.
const UpdateResult = {
}

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{}

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{}

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{}

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
    })
}
// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "GET")
th.TestHeader(t, r, "Accept", "application/json")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
w.Header().Set("Content-Type", "application/json")
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, GetResult)
})

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "POST")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
th.TestJSONRequest(t, r, CreateRequest)
w.WriteHeader(http.StatusCreated)
fmt.Fprintf(w, GetResult)
})

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "DELETE")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
w.WriteHeader(http.StatusNoContent)
})

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "PATCH")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
th.TestJSONRequest(t, r, UpdateRequest)

w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, UpdateResult)
}
}

Step 4: Acceptance Testing
==========================

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

Step 2: Create an Issue
========================

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug
--------------

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:
* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request
---------------

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is start a discussion about whether or not the feature should be included in Gophercloud. We don't want to want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* [https://github.com/gophercloud/gophercloud/issues/715](https://github.com/gophercloud/gophercloud/issues/715)
* [https://github.com/gophercloud/gophercloud/issues/719](https://github.com/gophercloud/gophercloud/issues/719)

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* [https://github.com/gophercloud/gophercloud/issues/539](https://github.com/gophercloud/gophercloud/issues/539)
* [https://github.com/gophercloud/gophercloud/issues/555](https://github.com/gophercloud/gophercloud/issues/555)
* [https://github.com/gophercloud/gophercloud/issues/571](https://github.com/gophercloud/gophercloud/issues/571)
* [https://github.com/gophercloud/gophercloud/issues/583](https://github.com/gophercloud/gophercloud/issues/583)
* [https://github.com/gophercloud/gophercloud/issues/605](https://github.com/gophercloud/gophercloud/issues/605)

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for
an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

Step 1: Read Our Guides
-------------------------------

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/.github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

```go
package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}
```
func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

Step 6: Code Review

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

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `[wip]` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.
There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you’ve run them yourself (See [Step 4](step-04.md)).

Request a Code Review
---------------------

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used).

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes
-------------------

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal
-------------------

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.
import (  
  "github.com/gophercloud/gophercloud"  
  "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to  
// the List request  
type ListOptsBuilder interface {  
  ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.  
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.  
func (opts ListOpts) ToResourceListQuery() (string, error) {  
  q, err := gophercloud.BuildQueryString(opts)  
  return q.String(), err
}

// List retrieves a list of RESOURCES.  
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {  
  url := listURL(client)  
  if opts != nil {  
    query, err := opts.ToResourceListQuery()  
    if err != nil {  
      return pagination.Pager{Err: err}
    }
    url += query
  }
    return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
  })
}

// Get retrieves details of a RESOURCE.  
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {  
  _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
  return
}

// CreateOptsBuilder allows extensions to add additional parameters to  
// the Create request.  
type CreateOptsBuilder interface {
ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
    b, err := opts.ToResourceCreateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{201},
    })
    return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
b, err := opts.ToResourceUpdateMap()
if err != nil {
    r.Err = err
    return
}
_, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
    OkCodes: []int{200},
})
return

Step 5: Writing the Code

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project’s service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it’s time to write the actual code! We recommend reading over the
[CONTRIBUTING](https://github.com/gophercloud/gophercloud/pull/662) guide again as a refresh. Notably
the [Getting Started](https://github.com/gophercloud/gophercloud/pull/662) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples
of similar implementations. It would be a _very_ rare occurrence for you
to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

#### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

#### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See
[#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.
If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722][https://github.com/gophercloud/gophercloud/pull/722] as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723][https://github.com/gophercloud/gophercloud/issues/723].

What to Include in a Pull Request
----------------------------------

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple
commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're testing with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests
----------------------------------

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
```

```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"
```
$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```shell
Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```shell

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child Pull Requests based off of the parent.
The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

Contributor Tutorial

This tutorial is to help new contributors become familiar with the processes used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to determine if the request succeeded or failed.
```
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"`
            Previous string `json:"previous"`
        } `json:"links"`
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"`
    }
    err := r.(ResourcePage).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```go
type Network struct {
    ID           string   `json:"id"`
    Name         string   `json:"name"`
    AdminStateUp bool     `json:"admin_state_up"`
    Status       string   `json:"status"`
    Subnets      []string `json:"subnets"`
    TenantID     string   `json:"tenant_id"`
    Shared       bool     `json:"shared"`
}
```

...to look like

```go
type Network struct {
    ID                    string   `json:"id"`
    Name                  string   `json:"name"`
    AdminStateUp          bool     `json:"admin_state_up"`
    Status                string   `json:"status"`
    Subnets               []string `json:"subnets"`
    TenantID              string   `json:"tenant_id"`
    Shared                bool     `json:"shared"`
    AvailabilityZoneHints []string `json:"availability_zone_hints"`
}
```

We need to be sure that `availability_zone_hints` is a field which really does
exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying
> that the API docs aren't useful or that the contributors who work on the API
docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update
documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

**Code Hunting Tips**

OpenStack projects differ from one to another. Code is organized in different
ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

### 1.665 tzdata 2019a-1.el7

**1.665.1 Available under license:**

Unless specified below, all files in the tz code and data (including this LICENSE file) are in the public domain.

If the files date.c, newstrftime.3, and strftime.c are present, they contain material derived from BSD and use the BSD 3-clause license.

### 1.666 vfsgen 0-0.2.2019

**1.666.1 Available under license:**

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1.668 snowball-stemmer 1.2.1
1.668.1 Available under license :
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1111463316_1606927819.08/0/snowballstemmer-1-2-1-1-tar-gz/snowballstemmer-1.2.1/LICENSE.rst
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'License :: OSI Approved :: BSD License',

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Snowball stemming library collection for Python

This document pertains to the Python version of the stemmer library distribution, available for download from:

* https://github.com/shibukawa/snowball/

This repository includes Python source code generator

* https://github.com/shibukawa/snowball_python/

This repository includes generated Python source codes

Original program is maintained at following place:

* http://snowball.tartarus.org/
Original Snowball product created by Dr Martin Porter and Richard Boulton (Java porting). Original Snowball and my products are released under BSD license.

How to use library
------------------

The ``snowballstemmer`` module has two functions.

The ``snowballstemmer.algorithms`` function returns a list of available algorithm name string.

The ``snowballstemmer.stemmer`` function accepts algorithm name and returns ``Stemmer`` objects.

``Stemmer`` objects have ``Stemmer.stemWord(word)`` method and ``Stemmer.stemWords(word[])`` method.

.. code-block:: python

    import snowballstemmer
    stemmer = snowballstemmer.stemmer('english');
    print(stemmer.stemWords("We are the world".split()));

``Stemmer`` objects have ``Stemmer.maxCacheSize`` property. They cache result within the value. Default is `10000`.

Accelerates Stemming
----------------------

if **PyStemmer** is installed, ``snowballstemmer.stemmer`` returns **PyStemmer``'s ``Stemmer`` objects. This ``Stemmer`` object has same methods (``Stemmer.stemWord()`` , ``Stemmer.stemWords()``).

**PyStemmer** is a Snowball's ``libstemmer_c`` wrapper module and it returns 100% compatible result with **snowballstemmer**.

**PyStemmer** has faster speed because it uses C-lang module, and **snowballstemmer** has higher usability because it is pure Python module.

* `PyStemmer <http://pypi.python.org/pypi/PyStemmer/>`

Benchmark
~~~~~~~~~~

Test Case: Snowball stemmer check data (16 algorithms, total 582560 words, cache hit 0%)
Computer: MacBook Pro 3rd Gen Corei7 2.3GHz

* Python 2.7 + **snowballstemmer** : 2m 30s
* PyPy 1.9 + **snowballstemmer** : 45s
* Python 2.7 + **PyStemmer** : 5s
This test case is much harder than usual usecases!

The TestApp example
---------------------

The ``testapp.py`` example program allows you to run any of the stemmers on a sample vocabulary.

Usage::

testapp.py <algorithm> "sentences ... "

.. code-block:: bash

   $ python testapp.py English "sentences... "

Thanks
------

* Original Snowball authors
* Emil Stenström

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------

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Metadata-Version: 1.1
Name: snowballstemmer
Version: 1.2.1
Summary: This package provides 16 stemmer algorithms (15 + Poerter English stemmer) generated from Snowball algorithms.
Home-page: https://github.com/shibukawa/snowball_py
Author: Yoshiki Shibukawa
Author-email: yoshiki at shibu.jp
License: BSD
Description:

It includes following language algorithms:

* Danish
* Dutch
* English (Standard, Porter)
* Finnish
* French
* German
* Hungarian
* Italian
* Norwegian
* Portuguese
* Romanian
* Russian
* Spanish
* Swedish
* Turkish

This is a pure Python stemming library. If `PyStemmer <http://pypi.python.org/pypi/PyStemmer>`_ is available, this module uses it to accelerate.

Keywords: stemmer
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/ Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Programming Language :: Python
Classifier: Natural Language :: Danish
Classifier: Natural Language :: Dutch
Classifier: Natural Language :: English
Classifier: Natural Language :: Finnish
Classifier: Natural Language :: French
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1.669 jakarta xml bind api 2.3.3
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* Project home: https://projects.eclipse.org/projects/ee4j.jaxb

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* https://github.com/eclipse-ee4j/jaxb-api
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* Project: https://wiki.openjdk.java.net/display/CodeTools/JT+Harness
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1.670 unzip 6.0 21.el7

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-----

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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
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],
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Gnomovision version 69, Copyright (C) year  name of author
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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

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1.677 vim 8.0.1763-13.el8
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SUMMARY

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- 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.

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If the number of changes is small (e.g., a modified Makefile) e-mailing a
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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
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- 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.

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  further distribution to the GNU GPL. Also when you didn't actually change
  anything in Vim.

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- 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.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any
country, mostly from the post office. Use this name (which is
in my passport): "Abraham Moolenaar". Use Euro for the
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift
code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
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1.678 kafka-clients 2.6.0

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Name: badpalettefile
Columns: 4
#
 0 0 0   Index 3
0123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
79 73 72   Index 7
103 62 49   Index 6
114 101 97   Index 8
208 127 100   Index 9
151 144 142   Index 10
221 207 199   Index 11

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GIMP Palette
Name: Test
Columns: 0
#
GIMP Palette
Name: badpaletteentry
Columns: 4
#
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GIMP Palette
Name: custompalette
Columns: 4
#
0 0 0  Index 3
65 38 30  Index 4
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11
from http://www.color.org/srgbprofiles.xalter
1.681 checker-compat-qual 2.5.5

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 * $Date: 2003/04/06 20:37:31 $
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Version 2, June 1991

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1.689 nettle 3.4.1 1.el8

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 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */
/
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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.703 curl 7.29.0-25.el7.centos

1.703.1 Available under license:

License Mixing with apps, libcurl and Third Party Libraries

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

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html

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GnuTLS http://www.gnutls.org/
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**yassl**  http://www.yassl.com/

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**c-ares**  http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

**zlib**  http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

**krb4**

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

**MIT Kerberos**  http://web.mit.edu/kerberos/www/dist/

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

libidn http://josefsson.org/libidn/

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OpenLDAP http://www.openldap.org/software/release/license.html

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2 http://www.libssh2.org/

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

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1.704 jaxb-core 2.1.12
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* 

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
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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
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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
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c) Accompany the work with a written offer, valid for at least
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For an executable, the required form of the "work that uses the
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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
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entire whole, and thus to each and every part regardless of who wrote
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Thus, it is not the intent of this section to claim rights or contest
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4. You may copy and distribute the Library (or a portion or
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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.

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
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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.

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.

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

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

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* /opt/cola/permits/1116426984_1607975665.66/0/minio-6-0-4-sources-jar/io/minio/messages/S3Key.java
* /opt/cola/permits/1116426984_1607975665.66/0/minio-6-0-4-sources-jar/io/minio/messages/TopicConfiguration.java
* /opt/cola/permits/1116426984_1607975665.66/0/minio-6-0-4-sources-jar/io/minio/messages/DeleteResult.java

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* /opt/cola/permits/1116426984_1607975665.66/0/minio-6-0-4-sources-jar/io/minio/notification/NotificationEvent.java
* /opt/cola/permits/1116426984_1607975665.66/0/minio-6-0-4-sources-jar/io/minio/notification/ObjectMeta.java
* /opt/cola/permits/1116426984_1607975665.66/0/minio-6-0-4-sources-jar/io/minio/notification/Identity.java
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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.714 pkg-config 0.27.1 4.el7

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* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-
  jar/io.netty.buffer/DuplicatedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-
  jar/io.netty.buffer/ByteBufInputStream.java
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  jar/io.netty.buffer/SlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-
  jar/io.netty.buffer/UnpooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-
  jar/io.netty.buffer/SwappedByteBuf.java
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  jar/io.netty.buffer/package-info.java
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  jar/io.netty.buffer/PooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-
  jar/io.netty.buffer/PoolSubpage.java
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  jar/io.netty.buffer/AbstractByteBufAllocator.java
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  jar/io.netty.buffer/Unpooled.java
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* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/AbstractDerivedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/ByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/ByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/EmptyByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/FixedCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/WrappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/UnreleasableByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4-1-45-final-sources-1-jar/io/netty/buffer/PoolChunkListMetric.java
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/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
* @param executable The executable of interest.
* 
* @return A list with parameter meta data for the given executable.
*/

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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/metadata/provider/ProgrammaticMetaDataProvider.java
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-mapping-1.0.xsd
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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-configuration-1.1.xsd

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/*
 * Hibernate Validator, declare and validate application constraints
 *
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 */
/**
 * <p>
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> JSR 223 can be found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * [@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
 * will be used as parameter names.
 * </p>
 * <p>
 * The following listing shows an example using the JavaScript engine which
* comes with the JDK:

```java
{@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
  public void createEvent(Date start, Date end) { ... }
  }

Can be specified on any method or constructor.
```

* @author Gunnar Morling

/*

Found in path(s):
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
  jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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*/

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* Expert Group and released to the public domain, as explained at
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Found in path(s):
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
  jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

---

**1.719 benbjohnson-clock 1.0.0**

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1.720 lz4 1.8.1.2-4.el8

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1.722 perl-storable 2.45-3.el7

1.723 apache 2.4.41-r0

1.723.1 Available under license:

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<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</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.min.js" type="text/javascript"></script>
</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.png" /></div>
<div class="up"><a href="./"><img title="<" alt="<" src="./images/left.gif" /></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a href="./">Documentation</a> &gt; <a href="./">Version 2.4</a></div><div id="page-content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>

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</div>
</div>
</body></html>
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```c
/************************************************************************
* NCSA HTTPd Server
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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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* ************************************************************************
*
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* 
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* java.servlet:javax.servlet-api
* java.annotation:javax.annotation-api
* java.transaction:javax.transaction-api
* java.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
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1.731 util-linux 2.23.2-59.el7_6.1

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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645db14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2d055067c18f26ef bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot  Start  End  Blocks  Id  System
----------  ------  ------  ------  --  -----

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot  Start  End  Blocks  Id  System
Create 2nd primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
__ts_dev__2 4096 20479 8192 a5 FreeBSD

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#  start   end    size  fstype    [fsiz bsize  cpg]
a: 4096    6144   2049  4.2BSD  0  0  0
c: 4096    20479  16384 unused 0  0
b: 0       16064  16065 unused 0  0

BSD disklabel command (m for help):
Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused   5  4.1BSD   9  4.4LFS   d  boot
1  swap     6  Eighth Edition a  unknown  e  ADOS
2  Version 6 7  4.2BSD    b  HPFS    f  HFS
3  Version 7 8  MS-DOS    c  ISO-9660 10  AdvFS
4  System V

BSD disklabel command (m for help):

1.732 etcd-raft 2.0.9

1.732.1 Available under license:

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1.734 jakarta-validation-api 2.0.2

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1.735 expat 2.1.0-8.el7

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1.736 spring-expression 5.1.9.RELEASE

1.737 libcap-ng 0.7.9-2

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm
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org.apache.taglibs:taglibs-standard-impl

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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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1.744 spring-boot-starter-actuator

2.1.8.RELEASE

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1.750 perl-parent 0.225-244.el7
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
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

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 SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
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==

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<iframe src="contents.html"></iframe>

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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 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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Version 3, 29 June 2007

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 */

/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is 12 (0x0C) which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *
 * <pre>
 * <b>lengthFieldOffset</b>   = <b>0</b>
 * <b>lengthFieldLength</b>   = <b>2</b>
 * lengthAdjustment    = 0
 * initialBytesToStrip = 0 (= do not strip header)
 */
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* [@link ByteBuf#readableBytes()]. you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>/h> = <b>-2</b>/h> (= the length of the Length field)
* initialBytesToStrip = 0
* </pre>
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
The following message is a simple variation of the first example. An extra header value is prepended to the message. The decoder always takes the length of the prepended data into account during frame length calculation.

```
<table>
<thead>
<tr>
<th>lengthFieldOffset</th>
<th>lengthFieldLength</th>
<th>lengthAdjustment</th>
<th>initialBytesToStrip</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
```

BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
```
<table>
<thead>
<tr>
<th>Header 1</th>
<th>Length</th>
<th>Actual Content</th>
<th>Header 1</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCAFE</td>
<td>0x00000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xCAFE</td>
<td>0x00000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.

```
lengthFieldOffset = 0
lengthFieldLength = 3
lengthAdjustment = 2
initialBytesToStrip = 0
```

BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
```
<table>
<thead>
<tr>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.

```
lengthFieldOffset = 2
lengthFieldLength = 3
lengthAdjustment = 2
initialBytesToStrip = 0
```

BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
```
<table>
<thead>
<tr>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
<th>Length</th>
<th>Header 1</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x00000C</td>
<td>0xCAFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.
* `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.
* `<pre>`
* `lengthFieldOffset   = 1 (= the length of HDR1)`
* `lengthFieldLength   = 2`
* `<b>` lengthAdjustment` <b>` = `<b>`1` <b>` (= the length of HDR2)`
* `<b>` initialBytesToStrip` <b>` = `<b>`3` <b>` (= the length of HDR1 + LEN)`
* `<pre>`
* `lengthFieldOffset   = 1 (= the length of HDR1)`
* `lengthFieldLength   = 2`
* `lengthAdjustment` = `-3` (= the length of HDR1 + LEN, negative)
* `initialBytesToStrip` = `<b>`3` <b>`
* `<pre>`
* `lengthFieldOffset   = 1`
* `lengthFieldLength   = 2`
* `lengthAdjustment` = `-3` (= the length of HDR1 + LEN, negative)
* `initialBytesToStrip` = `<b>`3` <b>`
* `<pre>`
* `lengthFieldOffset   = 1 (= the length of HDR1)`
* `lengthFieldLength   = 2`
* `lengthAdjustment` = `-3` (= the length of HDR1 + LEN, negative)
* `initialBytesToStrip` = `<b>`3` <b>`
* `<pre>`
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/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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jar/io/netty/handler/codec/DefaultHeaders.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/CharSequenceValueConverter.java

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 */
/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * The encoding and decoding algorithm in this class has been derived from
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/DecoderResultProvider.java
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1.757 klauspost-compress 1.4.1

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1.759 goproto buf 1.3.5

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1.760 grpc-go 1.28.0

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1.761 commons-beanutils 1.8.3

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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
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b) Use a suitable shared library mechanism for linking with the
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1.767 classmate 1.5.1

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Other developers who have contributed code are:

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 */
/**
 * Encodes and decodes to and from Base64 notation.
 */


Example:

```java
String encoded = Base64.encode( myByteArray );
byte[] myByteArray = Base64.decode( encoded );
```

* The <tt>options</tt> parameter, which appears in a few places, is used to pass several pieces of information to the encoder.
* In the "higher level" methods such as encodeBytes( bytes, options ) the options parameter can be used to indicate such things
  * as first gzipping the bytes before encoding them, not inserting linefeeds, and encoding using the URL-safe and Ordered
  * dialects.

Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>, Section 2.1, implementations should not add line feeds unless explicitly told to do so. I've got Base64 set to this behavior now, although earlier versions broke lines by default.

The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:

```java
String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DO_BREAK_LINES );
```

to compress the data before encoding it and then making the output have newline characters.

Also...

```java
String encoded = Base64.encodeBytes( crazyString.getBytes() );
```

Change Log:

- v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base 64 character but should not throw an ArrayIndexOutOfBoundsException either. Led to discovery of mishandling (or potential for better handling) of other bad input characters. You should now get an IOException if you try decoding something that has bad characters in it.
- v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the buffer was not properly shrunk and contained an extra (null) byte that made it into the string.
- v2.3.5 - Fixed bug in <code>@link #encodeFromFile</code> where estimated buffer size was wrong for files of size 31, 34, and 37 bytes.
- v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the Base64.OutputStream closed the Base64 encoding (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped streams. Also added experimental support for specifying a class loader when using the <code>@link #decodeToObject(String, int, ClassLoader) </code> method.
- v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its CharEncoders and so forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException...
explicitly
* inline.</li>
* <li>v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be so that the
* code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win when using
* the {@link #encodeBytesToBytes(byte[])} family of methods (and not using the gzip options which uses a different mechanism
* with streams and stuff).</li>
* <li>v2.3.1 - Added some similar helper methods to be more efficient
* with memory by not returning a String but just a byte array.</li>
* <li>v2.3 - This is not a drop-in replacement!</li>
* This is two years of comments and bug fixes queued up and
* finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone
* else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null values or
* something similar. Here are some changes that may affect you:
* <ul>
* <li>Does not break lines, by default. This is to keep in compliance with RFC3548.</li>
* <li>Throws exceptions instead of returning null values. Because some operations (especially those that may permit
* the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some discussion and
* thought, I've changed the behavior of the methods to throw java.io.IOExceptions rather than return null if ever there's an
* error. I think this is more appropriate, though it will require some changes to your code. Sorry, it should have been done
* this way to begin with.</li>
* <li>Removed all references to System.out, System.err, and the like. Shame on me. All I can say is sorry they were
* ever there.</li>
* <li>Throws NullPointerExceptions and IllegalArgumentExceptions as needed such as when passed
* offsets are invalid.</li>
* <li>Cleaned up as much javadoc as I could to avoid any javadoc warnings. This was especially annoying before
* for people who were thorough in their own projects and then had gobs of javadoc warnings on this file.</li>
* </ul>
* <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files
* (~&lt; 40 bytes).</li>
* <li>v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a
* main() method to
* support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
* </ol>
* The default is RFC3548 format.
* Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in
* Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates URL and file name friendly format that preserves
  * lexical ordering as described in http://www.faqs.org/qa/rfcc-1940.html
* Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a> for contributing the new
  * Base64 dialects.</li>

* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and
  * writing to and from files.
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
* v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner.
  * The code
  * now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are
  * cleaner. You'll probably have to change some method calls that you were making to support the new options
  * format (int that you "OR" together).
* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode(String s, boolean gzipCompressed).
  * Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed
  * base64 data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added
  * the ability to GZip-compress objects before encoding them.
* v1.4 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not
  * completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* v1.3.3 - Fixed I/O streams which were totally messed up.
* v1.3.2 - Changed I/O streams that used booleans to set options. Now everything is more consolidated and cleaner.
  * You'll probably have to change some method calls that you were making to support the new options
  * format (int that you "OR" together).

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  * with plenty of well-wishing instead! Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a> periodically to check for updates or to contribute improvements.
* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
*/

Found in path(s):
* /opt/ cola/ permits/ 1102171875_1603488130.24/0/ undertow-core-2-0-26-final-sources-
jar/io/undertow/websockets/core/protocol/version07/Base64.java
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#
io.undertow.protocols.alpn.JDK8HackAlpnProvider
io.undertow.protocols.alpn.JettyAlpnProvider
io.undertow.protocols.alpn.JDK9AlpnProvider
io.undertow.protocols.alpn.OpenSSLAlpnProvider

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#
# io.undertow.protocols.ssl.SNIAlpnEngineManager
# io.undertow.protocols.alpn.DefaultAlpnEngineManager

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 */
/**
 * Returns an array containing all of the elements in this deque, in
 * proper sequence (from first to last element).
 *
 * <p>The returned array will be "safe" in that no references to it are
 * maintained by this deque. (In other words, this method must allocate
 * a new array). The caller is thus free to modify the returned array.
 *
 * <p>This method acts as bridge between array-based and collection-based
 * APIs.
 *
 * @return an array containing all of the elements in this deque
 */
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/FastConcurrentDirectDeque.java

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 */

/**
 * An extension to {@link AbstractConfidentialityHandler} that uses the Host header from the incoming message
 * and specifies the
 * confidential address by just switching the port.
 *
 * @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
 */

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jar/io/undertow/server/handlers/StuckThreadDetectionHandler.java
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jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
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jar/io/undertow/protocols/ssl/SNISSLExplorer.java
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jar/io/undertow/protocols/ssl/SNISSLContextSpi.java
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jar/io/undertow/protocols/ssl/SNISSLContext.java
* /opt/ cola/ permits/ 1102171875 _1603488130 .24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/protocols/alpn/ALPNEngineManager.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/ResponseCookieAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/attribute/RequestPathAttribute.java
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jar/io/undertow/util/HeaderTokenParser.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/builder/RewriteHandlerBuilder.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/attribute/ResolvedPathAttribute.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/error/FileErrorPageHandler.java
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jar/io/undertow/server/handlers/SetAttributeHandler.java
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jar/io/undertow/server/handlers/sse/ServerSentEventConnectionCallback.java
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jar/io/undertow/server/handlers/encoding/GzipEncodingProvider.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/ImmediatePooledByteBuffer.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/PooledObject.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/URLUtils.java
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/HttpString.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/HttpClientUtils.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-jar/io/undertow/util/HttpURLConnection.java
jar/io/undertow/attribute/ReadOnlyAttributeException.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/protocol/ajp/AjpServerConnection.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/protocols/http2/Http2SettingsParser.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
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* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/session/SessionListener.java
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jar/io/undertow/predicate/Predicates.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
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*/
jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPPHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/NodeHealthChecker.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterContainer.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPPreManager.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPPConstats.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/ConnectionPoolErrorHandler.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/Node.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/NodeConfig.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPIInfoUtil.java
* /opt/cola/permits/1102171875_1603488130.24/0/undertow-core-2-0-26-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/VirtualHost.java

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 * Handler responsible for checking of confidentiality is required for the requested resource and if so rejecting the
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 */
/**
* Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
* Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual SSLSession.
* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return true if the request is 'sufficiently' confidential, false otherwise.
*/
/**
* Use the HttpServerExchange to identify if confidentiality is required.
* This method currently returns true for all requests, sub-classes can override this to provide a custom check.
* TODO: we should deprecate this and just use a predicate to decide to execute the handler instead
* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return true if the request requires confidentiality, false otherwise.
*/
/**
* All sub-classes are required to provide an implementation of this method, using the HttpServerExchange for the current request return the address to use for a redirect should confidentiality be required and the request not be confidential.
* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return The {@link URI} to redirect to.
*/

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1.772 libsemanage 2.8-2

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1.774 go-dockerclient 1.5.0

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1.776 joda-time 2.10.1

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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/ByteBufAllocatorMetric.java

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1.798 glib 2.56.1 2.el7

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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
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End

1.799 linux-kernel 4.14.128

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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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1.802 libusb 1.0.22-1.el8

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(common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Zstd-jni: JNI bindings to Zstd Library

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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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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.

**GNU LIBRARY GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

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

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

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

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

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

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays 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) 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.

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

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

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

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

<signature of Ty Coon>, 1 April 1990
That's all there is to it!

1.821 vim 7.4.160-5.el7

1.821.1 Available under license:
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

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
will be distributed is negotiable. If there has been no negotiation
then this license, or a later version, also applies to your changes.
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
mentioned under a) you are allowed to further distribute it
unmodified, as mentioned at I). If you make additional changes the
text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of
the modified Vim you distribute. This may be done in the form of a
context diff. You can choose what license to use for new code you
add. The changes and their license must not restrict others from
making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned
under c), you can distribute it without the source code for the
changes if the following three conditions are met:
- 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.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is 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:*iccdf-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
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.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

The e-mail address for sending the money to is:
Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

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  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.831 e2fsprogs 1.42.9 16.el7
1.831.1 Available under license:
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Gadi Oxman, August 1995

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Theodore Ts'o
23-June-2007

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1.836 metrics 3.2.2

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1.842 pax-utils 1.2.6-r1
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A simple way to add an admin nag, that can be dismissed via AJAX.

### Example

Show a warning if current version of PHP is less than 5.3.

```php
```
```php
add_action( 'plugins_loaded', 'caeq_bootstrap' );

function caeq_bootstrap(){

    if ( ! version_compare( PHP_VERSION, '5.3.0', '>=' ) ) {
        if ( is_admin() || defined( 'DOING_AJAX' ) && DOING_AJAX ) {
            include_once CAEQ Path . 'vendor/calderawp/dismissible-notice/src/callback_hook.php';
        }
    }
```
if ( is_admin() ) {

    //BIG nope nope nope!

    $message = sprintf( __( 'Caldera Easy Queries requires PHP version %1$s or later. We strongly recommend PHP 5.4 or later for security and performance reasons. Current version is %2$s.', 'caldera-text-domain' ), PHP_VERSION );
    echo caldera_warnings_dismissible_notice( $message, true, 'activate_plugins' );

} else{

    //bootstrap plugin
    require_once( CAEQ_PATH . 'bootstrap.php' );

}

***

### Backwards Compat and such
This library was written with PHP 5.2 backwards-compat in mind. Hence the prefixed, instead of namespaced class name. You will also need to manually include the class.

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File_Iterator

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6.8.3

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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
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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
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#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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

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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.

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
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copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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1.881 activation 1.2.1

1.882 ncurses 5.9 13.20130511.el7

1.882.1 Available under license:
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

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Files: install-sh
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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS’s install programs.

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1.883 libssh 0.7.1-7.el7
1.883.1 Available under license :

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

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

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

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

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

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

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   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.

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
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1.884 logback-core 1.2.3

1.885 python-markupsafe 0.11-10.el7

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1.886 libnsl2 1.2.0 2.20180605git4a062cf.el8

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 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

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*/
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*/
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Open-vm-tools v10.3.0

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 * The implementation was written so as to conform with Netscapes SSL.
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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.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/servlet/error/ErrorController.java
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* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/embedded/tomcat/LazySessionIdGenerator.java
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* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/convert/CollectionToDelimitedStringConverter.java
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- /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/context/properties/bind/handler/IgnoreErrorsBindHandler.java
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- /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/embedded/tomcat/SslConnectorCustomizer.java
- /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/servlet/error/DefaultErrorAttributes.java
- /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/diagnostics/analyzer/BeanDefinitionOverrideFailureAnalyzer.java
- /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/servlet/context/AnnotationConfigServletWebServerApplicationContext.java
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* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/context/properties/ConfigurationPropertiesBindingPostProcessorRegistrar.java
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 */
/**
 * A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
 * [@link ServletWebServerFactory] bean.
 * <p>
 * This context will create, initialize and run an [@link WebServer] by searching for a
 * single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
 * itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * <p>
 * In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.
* 
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

Found in path(s):
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jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.
Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.
The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you’ve contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren’t intentionally leaving anyone out.

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1.913 opensaml-security-impl 3.3.0

1.914 gopacket 1.5

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1.919 dns 1.1.30
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* Create a transactional EntityManager proxy for the given EntityManagerFactory.
* @param emf the EntityManagerFactory to obtain EntityManagers from as needed
* @param properties the properties to be passed into the
*   [@code createEntityManager] call (may be [@code null])
* @param entityManagerInterfaces the interfaces to be implemented by the
* EntityManager. Allows the addition or specification of proprietary interfaces.
* @return a shareable transactional EntityManager proxy
*/

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/hibernate5/SessionFactoryUtils.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/jpa/EntityManagerFactoryUtils.java
* /opt/ws_local/PERMITS_SQL/1068412384_1594388478.68/0/spring-orm-5-2-5-release-sources-jar/org/springframework/orm/jpa/JpaTransactionManager.java

No license file was found, but licenses were detected in source scan.
1.925 libdevmapper 1.0.2

1.925.1 Available under license:

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1.926 sysv-init 2.88dsf-59

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
*
1.927 pb 1.0.28

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

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

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

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

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

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

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

d) Verify that the user has already received a copy of these materials or 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
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which the executable runs, unless that component itself accompanies
the executable.

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END OF TERMS AND CONDITIONS

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<signature of Ty Coon>, 1 April 1990
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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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1.931 python 3.7.6-1.el7.0atomix1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.933 websocket-common 9.4.27.v20200227

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  * org.eclipse.jetty.orbit:org.eclipse.jdt.core

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  * org.eclipse.jetty.orbit:javax.security.auth.message

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
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http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.934 pongo 1.42.4

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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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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.

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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:

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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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entire whole, and thus to each and every part regardless of who wrote
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Thus, it is not the intent of this section to claim rights or contest
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exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not 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
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it with the complete corresponding machine-readable source code, which
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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
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therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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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
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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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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
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modification of the work for the customer's own use and reverse
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with the Library, with the complete machine-readable "work that
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user can modify the Library and then relink to produce a modified
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to use the modified definitions.)

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

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

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

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distributed (in either source or binary form) with the major
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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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END OF TERMS AND CONDITIONS

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1.937 cdebconf 0.192

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1.938 uclibc 0.9.33.2
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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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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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On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:
> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite
to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --
> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2
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1.939 giflib 5.1.4
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1.940 libpsl 0.20.2-5.el8

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1.941 asm 5.0.4
1.942 go-grpc-prometheus 1.2.0

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

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language
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1.947 binutils 2.27-41.base.el7_7.1

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Version 2.1, February 1999

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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.

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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.

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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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@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:
(This file is under construction.).*- text -*.-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.
Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated “know” assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn’t been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.
John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.
Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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@end example

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Ty Coon, President of Vice
@end example

That's all there is to it!

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.949 cyrus-sasl 2.1.26 20.el7_2

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1.952 ulikunitz-xz 0.5.6

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1.954 jetty-security 9.4.27.v20200227

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* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.957 os-prober 1.58-9.el7
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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

/*
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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) (_W_INT(w) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) (_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef COMPAT_POLL_H
#define COMPAT_POLL_H

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned intnfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#endif

/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNORMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1)/* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* HAVE_POLL_H */

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[Tatu continues]
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these restrictively licenced software components which he talks about
have been removed from OpenSSH, i.e.,

- RSA is no longer included, found in the OpenSSL library
- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library

Open Source Used In APIC-SE-BATMAN v2.0.1 10433
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

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* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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That's all there is to it!
Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
Original author of libsensor, sensors-detect, sensors and isadump.
* Merlin Hughes

Original author of sensord.
* Bob Schlaermann

Dynamic chip feature detection (a.k.a. generic chip support) in
libsensor and sensors.
* Mark M. Hoffman

Many improvements to the libsensor configuration file scanner.
* Jean Delvare

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

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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mecab-ipadic-2.7.0-20070801

which can be obtained from

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http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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mecab-ko-dic-2.0.3-20170922

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.
* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jettyschemas

Assorted

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### 1.970 pcre 8.35-3.3+deb8u4

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1.971 opensaml-storage-api 3.3.0

1.972 guava 19.0
1.973 tar 1.30-4.el8

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### 1.974 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.976 slf4j-log4j 1.7.30

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1.977 owasp-java-html-sanitizer r239

1.978 gjson 1.3.5

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1.979 streadway-amqp 0-0.3

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1.980 javax-websocket-server-impl

9.4.27.v20200227

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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This license, the Lesser General Public License, applies to some
specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
* View technologies that support this contract can obtain an instance to delegate to via \{link RequestContext#getRequestDataValueProcessor()\}.

* @author Rossen Stoyanchev
* @since 3.1
*/

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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/view/ResourceBundleViewResolver.java
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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/tags/EditorAwareTag.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/support/AbstractAnnotationConfigDispatcherServletInitializer.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/support/AbstractDispatcherServletInitializer.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistry.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/config/annotation/CorsRegistration.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/view/feed/AbstractFeedView.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/tags/UrlTag.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/config/annotation/ResourcesBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/support/RequestContextUtils.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/tags/form/OptionsTag.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/config/ViewResolversBeanDefinitionParser.java
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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* { @link #locateSource detected } during response rendering. Users can either specify
* a specific entry in the model via the { @link #setSourceKey sourceKey } property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See { @link #getSourceTypes() here }
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure { @link #setOutputProperties output properties }
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-
jar/org/springframework/web/servlet/view/xslt/XsltView.java
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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/annotation/PathVariableMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
1.991 shadow 4.6-8.el8

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1.993 cyrus-sasl 2.1.26 23.el7

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1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays 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) 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.

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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Appendix: How to Apply These Terms to Your New Libraries

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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:

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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

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@subheading Preamble

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it too, but we suggest you first think carefully about whether this 
license or the ordinary General Public License is the better strategy to 
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To protect your rights, we need to make restrictions that forbid 
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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 other code with the library, you must provide 
complete object files to the recipients, so that they can relink them 
with the library after making changes to the library and recompiling 
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the 
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introduced by others.

Finally, software patents pose a constant threat to the existence of 
any free program. We wish to make sure that a company cannot 
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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 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.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0
@item
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ```this License```). Each licensee is addressed as ```you``).

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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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:

@enumerate a
@item
The modified work must itself be a software library.

@item
You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item
You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

@item
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.)
@end enumerate

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.

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

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

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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.

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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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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:

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.)

@item
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.

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

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If distribution of the work is made by offering access to copy
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@end enumerate

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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
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commit ef7344f09e5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are: update paths in sysdeps/mach/hurd/Implies and sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files, with the removal of syscalls that were in sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory by .c files there.

Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from sysdeps/unix/bsd/bsd4.4/syscalls.list.
  (fchflags): Likewise.
  (revoke): Likewise.
  (setlogin): Likewise.
  (sigaltstack): Likewise.
  (wait4): Likewise.
  (sigblock): Remove.
  (sigsetmask): Likewise.
  (wait3): Likewise.
  (waitpid): Likewise.
* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
diff --git a/sysdeps/unix/bsd4.4/syscalls.list b/sysdeps/unix/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File name caller syscall name # args Strong name Weak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstacksigtallstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dec1f9d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ b/sysdeps/unix/bsd/syscalls.list
@@ -1,14 +1,16 @@
# File name caller syscall name # args Strong name Weak names
+
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
-flock-flock2__flockflock
-getdents-getdirententries4__getdirententriesgetdirententries
-getdtsz-getdtablesiz0__getdtablesizegetdtablesiz
-getpagesize-getpagesize0__getpagesizegetpagesize
-killpg-killpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+setlogin-setlogin2setlogin
+sigaltstack-sigaltstack2__sigaltstacksigtallstack
sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmasksigsetmask
sigstack-sigstack2sigstack
sigvec-sigvec3__sigvecsигvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4
diff --git a/sysdeps/unix/bsd/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c
diff --git a/sysdeps/unix/bsd/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcsetattr.c
rename to sysdeps/unix/bsd/tcsetattr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/wait.c b/sysdeps/unix/bsd/wait.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/wait.c
rename to sysdeps/unix/bsd/wait.c
diff --git a/sysdeps/unix/bsd/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
index 0b3bdee771782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jaxb-ri
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* Source: https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations

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maven-resolver-api (1.1.1)
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* Project: https://testng.org/doc/index.html
* Source: https://github.com/cbeust/testng

wagon-http-lightweight (3.0.0)

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* Project: https://maven.apache.org/wagon/
* Source: https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0

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1.998 perl-scalar-list-utils 1.27-248.el7

1.999 librsvg 2.39.0-1.el7

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

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

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

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1.1003 xz 5.2.4 1
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BSON library for Go

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

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<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
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</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters
- `- dc` `(string: "")` - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request
```
$ curl http://127.0.0.1:8500/v1/operator/license
```

### Sample Response
```
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments"
    ]
  }
}
```
## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: `"")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```
$ curl \
   --request "PUT" \
   --data @consul.license \
   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response
```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "8",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  },
  "Warnings": []
}
```

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mgo - MongoDB driver for Go

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 */

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 */

package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
  Entity

  // no documentation yet
  Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

  // no documentation yet
  AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

  // no documentation yet
  EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

  // no documentation yet
  Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

  // no documentation yet
  Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

  // no documentation yet
  WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

// no documentation yet

type Legal_RegulatedWorkload_Type struct {
  Entity

  // no documentation yet
  Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

  // no documentation yet
  KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

  // no documentation yet
  Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"

  // no documentation yet
  KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

  // no documentation yet
  Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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>>> golang_glog-23def4e6c14b4da8ac2ed8007337bc5eb5007998

Go support for leveled logs, analogous to https://code.google.com/google-glog

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>>> maruel_panicparse_stack-25bcac0d793cf4109483505a0d66e066a3a90a80

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>>> boltdb_bolt-b514920f8f2e0a68f857e5a12c774f385a59ae9

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>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282ef1771b0fe2f65ef3

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>>> client9_misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f

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>>> codegangsta/inject-33e0a1cb7c019ccc3fbe049a8262a6403d30504
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>>> codegangsta_cli-master

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa

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>>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> gizak_termui-798fb9cbbe4073ef1f88e6069ca4a2c6aa6676b

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Gocheck - A rich testing framework for Go

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Go-nfs-client version 0.1

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>>> godbus_dbus-230e4b23db2fd81c53eaa0073f76659d4849ce51

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>>> gogo_protobuf_gogoprotoc-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> graylog2_go-gelf_gelf-master

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>>> jessevdk_go-flags-97448c91aac742cbca3d020b3e769013a420a06f

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>>> julienschmidt/httprouter-975b5c4c7c21c0e3d2764200bf2aa8e34657ae6e

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>>> matryer_resync-d39c09a11215c84aab0b65e323fc47dd6e276af1

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>>> mattn_go-runewidth-14207d285c6c197daabb5e9793d63e7af9ab2d50

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>>> mreiferson_go-httpclient-31f0106b4474f14bc441575c19d3a5fa21aa1f6c

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tomb - support for clean goroutine termination in Go.

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>>> x_crypto_curve25519-728b753d0135da6801d45a38e6f43ff55779c5e2

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>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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>>> x_crypto_salsa20_salsa-728b753d0135da6801d45a38e6f43ff55779c5c2

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```bash
>>> x_crypto_ssh-728b753d0135da6801d45a38e6f43ff55779c5c2
```

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+build appengine

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package short

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Re-implemented by Vincent Sanders <vince@kyllikki.org> with extensive reference to original curl example code

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g dsp_name.c
lib/gssapi/mechglue/g dsp_status.c
lib/gssapi/mechglue/g dup_name.c
lib/gssapi/mechglue/g exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g rel_buffer.c
lib/gssapi/mechglue/g rel_cred.c
lib/gssapi/mechglue/g rel_name.c
lib/gssapi/mechglue/g rel_oid_set.c
lib/gssapi/mechglue/g seal.c
lib/gssapi/mechglue/g sign.c
lib/gssapi/mechglue/g store_cred.c
lib/gssapi/mechglue/g unseal.c
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lib/gssapi/mechglue/g verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/prop.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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ASM: a very small and fast Java bytecode manipulation framework

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@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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Bison implementation for Yacc-like parsers in C


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@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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chkconfig: 2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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SYN signatures. Those signatures work for SYN packets only (duh!).

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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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2.32\text-utils\ul.c

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2.32\text-utils\line.c

line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c

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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.
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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but /use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn, chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let those who say nay be forever silent and think about how getpwnam (and family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to stderr, this is a library function and should not print on the screen, but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondřej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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>>> bash-4.4.12-3.ph2

error.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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/ Bison implementation for Yacc-like parsers in C


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coreutils-8.27.tar.xz\coreutils-8.27.tar\coreutils-8.27\lib\alloca.c
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

>>> elfutils-0.169-3.ph2

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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kmmod-insert - insert a module into the kernel.

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DRBG: Deterministic Random Bits Generator

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- Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
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estream.c - Extended Stream I/O Library

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"aggregate" if the compilation and its resulting copyright are not

used to limit the access or legal rights of the compilation's users

beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by the
   Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by a
   written offer, valid for at least three years and valid for as
   long as you offer spare parts or customer support for that product
   model, to give anyone who possesses the object code either (1) a
   copy of the Corresponding Source for all the software in the
   product that is covered by this License, on a durable physical
   medium customarily used for software interchange, for a price no
   more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the

Corresponding Source from a network server at no charge.

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

written offer to provide the Corresponding Source. This

alternative is allowed only occasionally and noncommercially, and

only if you received the object code with such an offer, in accord

with subsection 6b.

d) Convey the object code by offering access from a designated

place (gratis or for a charge), and offer equivalent access to the

Corresponding Source in the same way through the same place at no

further charge. You need not require recipients to copy the

Corresponding Source along with the object code. If the place to

copy the object code is a network server, the Corresponding Source

may be on a different server (operated by you or a third party)

that supports equivalent copying facilities, provided you maintain

clear directions next to the object code saying where to find the

Corresponding Source. Regardless of what server hosts the

Corresponding Source, you remain obligated to ensure that it is

available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided

you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

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procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

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Version 2, June 1991

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

Preamble

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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.

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

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

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

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

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the 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
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

d) Verify that the user has already received a copy of these materials or 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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Version 2.1, February 1999

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
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   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.

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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.

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

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That's all there is to it!

-------------- SECTION 6: GNU Lesser General Public License, V3.0 ------------

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Version 3, 29 June 2007

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other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.

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

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

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

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

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

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version:

a) under this License, provided that you make a good faith effort to
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----------------- SECTION 21: SIL Open Font License, V1.1 ----------------

SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007
PREAMBLE

The goals of the Open Font License (OFL) are to stimulate worldwide
development of collaborative font projects, to support the font creation efforts of academic and linguistic communities, and to provide a free and open framework in which fonts may be shared and improved in partnership with others.

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LPPL Version 1.3c 2008-05-04
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============
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=======================
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the Current Maintainer to acknowledge or act upon these error reports.
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You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take
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If the Work is unmaintained, you can become the Current Maintainer of the Work through the following steps:
1. Make a reasonable attempt to trace the Current Maintainer (and the Copyright Holder, if the two differ) through
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2. If this search is successful, then enquire whether the Work is still maintained.
   a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
   b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then
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      this could be done, for example, by posting to comp.text.tex.)
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```
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This work has the LPPL maintenance status "maintained".

The Current Maintainer of this work is M. Y. Name.

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

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Important Recommendations
-------------------------

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1.1018 lib-pq 1.2.0

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1.1019 rpm 4.11.3 35.el7

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1.1021 opensaml-messaging-api 3.3.0

1.1022 slf4j-log4j 1.6.1

1.1023 dmidecode 3.10.13-11.el7
1.1023.1 Available under license :

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Gocheck - A rich testing framework for Go

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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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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.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a982da308228d796d35f98d787c5cfff2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

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* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.1037 augeas 1.4.0 2.el7

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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The following artifacts are CDDL + GPLv2 with classpath exception.
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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jersey

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One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks: but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.6 1.5.2 2000 CNRI no
2.0 1.6 2000 BeOpen.com no
1.6             1.5.2       2000        CNRI        no
2.0             1.6         2000        BeOpen.com  no
1.6.1           1.6         2001        CNRI        yes (2)
2.1             2.0+1.6.1   2001        PSF         no
2.0.1           2.0+1.6.1   2001        PSF         yes
2.1.1           2.1+2.0.1   2001        PSF         yes
2.1.2           2.1.1       2002        PSF         yes
2.1.3           2.1.2       2002        PSF         yes
2.2 and above   2.1.1       2001-now    PSF         yes

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1.1063 netty-handler 4.1.45.Final

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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1.jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1.jar/io/netty/handler/traffic/package-info.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1.jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1.jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/ExtendedOpenSslSessions.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/ExtendedOpenSslSessions.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslSessions.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java

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  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
  jar/io/netty/handler/ssl/ClientAuth.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-
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1.1064 python-backports-ssl-match-hostname 3.5.0.1-1.ph3
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org.springframework.core.ReactiveAdapterRegistry$SpringCoreBlockHoundIntegration

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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.

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
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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.

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1.1074 jackson-dataformat-yaml 2.8.11
1.1074.1 Available under license:

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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Thanks go to the following people for patches and contributions:

Michael Hunold <m.hunold@gmx.de>
for the initial saa7146 driver and its recent overhaul

Christian Theiss
for his work on the initial Linux DVB driver

Marcus Metzler <mocm@metzlerbros.de>
Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>
for various fixes regarding tuning, OSD and CI stuff and his work on VDR

Steve Brown <sbrown@cortland.com>
for his AFC kernel thread

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

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Wolfram Joost <dbo2@frokaschiwei.de>
...and all the other dbo2 people
for many bugfixes in the generic DVB Core, frontend drivers and their work on the dbo2 port of the DVB driver

Oliver Endriss <o.endriss@gmx.de>
for many bugfixes

Andrew de Quincey <adq_dvb@lidskialf.net>
for the tda1004x frontend driver, and various bugfixes

Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
Augusto Cardoso <augusto@carhil.net>
for all the work for the FlexCopII chipset by B2C2,Inc.

Davor Emard <emard@softhome.net>
for his work on the budget drivers, the demux code, the module unloading problems, ...

Hans-Frieder Vogt <hfvogt@arcor.de>
for his work on calculating and checking the crc's for the TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

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

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.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

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)

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{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

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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)

/* 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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1.1085 passlib 1.7.1
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Special thanks to Darin Gordon for testing and
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Passlib contains some code derived from the following sources:

MD5-Crypt
---------
The source file `passlib/handlers/md5_crypt.py` contains code derived from the original
`FreeBSD md5-crypt implementation <http://www.freebsd.org/cgi/cvsweb.cgi/~checkout~/src/lib/libcrypt/crypt.c?rev=1.2>`_,
which is available under the following license::
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converted to python May 2008
by Eli Collins

DES
---
The source file `passlib/crypto/des.py` contains code derived from
`UnixCrypt.java <http://www.dynamic.net.au/christos/crypt/UnixCrypt2.txt>`_,
a pure-java implementation of the historic unix-crypt password hash algorithm.
It is available under the following license::

UnixCrypt.java 0.9 96/11/25
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all copies.

modified April 2001
by Iris Van den Broeke, Daniel Deville

modified Aug 2005
by Greg Wilkins (gregw)

converted to python Jun 2009
by Eli Collins

jBCrypt
-------
The source file `passlib/crypto/_blowfish/base.py` contains code derived
from `jBcrypt 0.2 <http://www.mindrot.org/projects/jBCrypt>`_, a Java
implementation of the BCrypt password hash algorithm. It is available under
a BSD/ISC license::

Copyright (c) 2006 Damien Miller <djm@mindrot.org>

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--------
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1.1086 mxj 8.0
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JUnit is Open Source Software, released under the IBM Public License and hosted on SourceForge. JUnit is Open Source Software, released under the IBM Public License and hosted on SourceForge.
name="librt.so.1()(64bit)"/>
<rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/>
<rpm:entry name="libz.so.1()(64bit)"/>
<rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/>
<rpm:entry name="libgcc_s.so.1(GCC_3.0)(64bit)"/>
<rpm:entry name="libthread.so.0()(64bit)"/>
<rpm:entry name="rtld(GNU_HASH)"/>
<rpm:entry name="java-gcj-compat" pre="1"/>
<rpm:entry name="libgcj.bc.so.1(64bit)"/>
<rpm:entry name="libc.so.6()(64bit)"/>
<rpm:entry name="/bin/sh" pre="1"/>
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</rpm:requires>
</format>
</package>

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<name>struts-manual</name>
<arch>x86_64</arch>
<version epoch="0" ver="1.2.9" rel="4jpp.5"/>
<checksum type="sha" pkgid="YES">40ba7ba2a45fd1fa8cf111d6f67686bf1d4d9ab</checksum>
<summary>Manual for struts</summary>
<description>Documentation for struts</description>
</package>

<package type="rpm">
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<arch>x86_64</arch>
<version epoch="0" ver="3.8.2" rel="3jpp.1"/>
<checksum type="sha" pkgid="YES">e85b530c25707a8d2f88610a7a0a66093423a66</checksum>
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<description>Documentation for junit</description>
</package>

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<arch>x86_64</arch>
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<checksum type="sha" pkgid="YES">b433c070041d0b31b81e2913c175942ad9980911</checksum>
<summary>The Vorbis General Audio Compression Codec.</summary>
<description>Ogg Vorbis is a fully open, non-proprietary, patent-and royalty-free, Javadoc for struts</description>
</package>

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<arch>x86_64</arch>
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<checksum type="sha" pkgid="YES">40ba7ba2a45fd1fa8cf111d6f67686bf1d4d9ab</checksum>
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<description>Documentation for struts</description>
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<package type="rpm">
<name>junit-manual</name>
<arch>x86_64</arch>
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<summary>Manual for junit</summary>
<description>Documentation for junit</description>
</package>

<package type="rpm">
<name>libvorbis</name>
<arch>x86_64</arch>
<version epoch="1" ver="1.1.2" rel="3.el5_7.6"/>
<checksum type="sha" pkgid="YES">b433c070041d0b31b81e2913c175942ad9980911</checksum>
<summary>The Vorbis General Audio Compression Codec.</summary>
<description>Ogg Vorbis is a fully open, non-proprietary, patent-and royalty-free, Javadoc for struts</description>
</package>

<package type="rpm">
<name>struts-javadoc</name>
<arch>x86_64</arch>
<version epoch="0" ver="1.2.9" rel="4jpp.5"/>
<checksum type="sha" pkgid="YES">227d5cee5013a0606990e5b379e0c7576f56c376</checksum>
<summary>Javadoc for struts</summary>
</package>

<package type="rpm">
<name>struts-manual</name>
<arch>x86_64</arch>
<version epoch="0" ver="1.2.9" rel="4jpp.5"/>
<checksum type="sha" pkgid="YES">40ba7ba2a45fd1fa8cf111d6f67686bf1d4d9ab</checksum>
<summary>Manual for struts</summary>
<description>Documentation for struts</description>
</package>

<package type="rpm">
<name>junit-manual</name>
<arch>x86_64</arch>
<version epoch="0" ver="3.8.2" rel="3jpp.1"/>
<checksum type="sha" pkgid="YES">e85b530c25707a8d2f88610a7a0a66093423a66</checksum>
<summary>Manual for junit</summary>
<description>Documentation for junit</description>
</package>
Linux. Usage of the firmware is subject to the terms and conditions contained needed for developing SELinux applications. 
<description><packager><url>http://www.nsa.gov/selinux</url><time file="1295060747" build="1294976512"
<size package="147109" installed="290805" archive="308912"/><location href="getPackage/libselinux-devel-1.33.4-5.7.el5.i386.rpm"/></format><rpm:license>Public domain (uncopyrighted)</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>libselinux-1.33.4-5.7.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="49899"/><rpm:provides><rpm:entry name="libselinux-devel" flags="EQ" epoch="0" ver="1.33.4" rel="5.7.el5"/></rpm:provides><rpm:requires><rpm:entry name="/usr/bin/python"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/></rpm:requires><file>/usr/bin/dtrace</file></format></package> .d files into tracing-macro-laden .h headers. 
<description><packager><url>http://sourceware.org/systemtap/</url><time file="1357852123" build="1357726127"
<size package="71014" installed="180725" archive="182680"/><location href="getPackage/systemtap-sdt-devel-1.8-6.el5.x86_64.rpm"/></format><rpm:license>GPLv2+ and Public Domain (uncopyrighted)</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/System</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm>systemtap-1.8-6.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="10587"/><rpm:provides><rpm:entry name="systemtap-sdt-devel" flags="EQ" epoch="0" ver="1.8" rel="6.el5"/></rpm:provides><rpm:requires><rpm:entry name="/usr/bin/python"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/></rpm:requires><file>/usr/bin/dtrace</file></format></package> static libraries and header files necessary to build Motif applications. 
<description><packager><url>http://www.motifzone.net/</url><time file="1380614986" build="1380614946"
<size package="3083411" installed="6895685" archive="7040604"/><location href="getPackage/openmotif-devel-2.3.1-7.2.el5.i386.rpm"/></format><rpm:license>Open Group Public License</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/Motif</rpm:group><rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>openmotif-2.3.1-7.2.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="94411"/><rpm:provides><rpm:entry name="struts-javadoc" flags="EQ" epoch="0" ver="1.2.9" rel="4jpp.5"/></rpm:provides><rpm:requires><rpm:entry name="/bin/ln" pre="1"/><rpm:entry name="/bin/rm" pre="1"/><rpm:entry name="/bin/sh" pre="1"/><rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/></rpm:requires></rpm:provides>
This package contains expect and some scripts that use it.

Description: This package contains expect and some scripts that use it.
replacement for proprietary PXE ROMs, with many extra features such as later when equivalent functionality is implemented elsewhere. <description></description><packager/></package> Required for any applications that use the SELinux API. <description></description><packager/></package> decisions. Required for any applications that use the SELinux API. <description></description><packager/></package> documentation. <description></description><packager/></package> documentation. The OpenJDK API <summary>OpenJDK API Documentation</summary><description>The OpenJDK API documentation.</description><packager/></package> replacement for proprietary PXE ROMs, with many extra features such as later when equivalent functionality is implemented elsewhere.
sm3840.so.1"/><rpm:entry name="libsane-stv680.so.1"/><rpm:entry name="libsane-mustek_pp.so.1"/><rpm:entry name="libsane-htpsj5s.so.1"/><rpm:entry name="pkgconfig"/><rpm:entry name="libsane-nect.so.1"/><rpm:entry name="gphoto2-devel"/></rpm:requires><file>/usr/bin/sane-config</file></format></package> should never be removed. <description><packager/><url><time file="1181263757" build="1181021680"/><size package="3018" installed="0" archive="124"/></time><location href="getPackage/basesystem-8.0-5.1.1.0.1.noarch.rpm"/></location><format><rpm:license>public domain</rpm:license><rpm:vendor>Oracle USA</rpm:vendor><rpm:group>System Environment/Base</rpm:group><rpm:buildhost>ca-build14</rpm:buildhost><rpm:requires><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="setup" pre="1"/><rpm:entry name="filesystem" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/></rpm:requires><rpm:provides><rpm:entry name="basesystem" flags="EQ" epoch="0" ver="8.0" rel="5.1.1.0.1"/></rpm:provides></format></package> which enhance Python's usability in many areas.  &lt;description&gt;&lt;packager&gt;&lt;url&gt;http://www.lemburg.com/files/python/eGenix-mx-Extensions.html&lt;/url&gt;&lt;time file="1181261876" build="1181125881"/><size package="577668" installed="2191719" archive="2244340"/></size><location href="getPackage/mx-2.0.6-2.2.2.2.x86_64.rpm"/></location><format><rpm:license>eGenix.com Public License (Python)</rpm:license><rpm:vendor>Oracle USA</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build14</rpm:buildhost><rpm:requires><rpm:entry name="libc.so.6(GLIBC_2.2.5)"(64bit)"/><rpm:entry name="libgcj_bc.so.1()(64bit)"/></rpm:requires><rpm:provides><rpm:entry name="mxProxy.so()(64bit)"/><rpm:entry name="mxDateTime.so()(64bit)"/><rpm:entry name="mxStack.so()(64bit)"/><rpm:entry name="mx" flags="EQ" epoch="0" ver="3.8.2.2" rel="3jpp.1"/></rpm:provides></format></package>

Open Source Used In APIC-SE-BATMAN v2.0.1 12456
name="libnss_winbind.so.2()(64bit)"/>

rpm:entry name="libnss_wins.so.2()(64bit)"/>

rpm:entry name="libncurses.so.5()(64bit)"/>

rpm:entry name="libnsl.so.1(GLIBC_2.2.5)(64bit)"/>

rpm:entry name="libnss_winbind.so.2()(64bit)"/>

rpm:entry name="libncurses.so.5()(64bit)"/>

rpm:entry name="libnsl.so.1()(64bit)"/>

rpm:entry name="cf_file.write"/>

rpm:entry name="cf_file.read"/>

rpm:entry name="cf_file.open"/>

rpm:entry name="cf_file.close"/>

rpm:entry name="cf_file.seek"/>

rpm:entry name="cf_file.tell"/>

rpm:entry name="cf_file.lock"/>

rpm:entry name="cf_file.unlock"/>

rpm:entry name="cf_file.truncate"/>

rpm:entry name="cf_file.lseek"/>

rpm:entry name="cf_file.writev"/>

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rpm:entry name="cf_file.writev"/>

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name="libdl.so.2(GLIBC_2.0)"/><rpm:entry name="libgphoto2.so.2"/><rpm:entry name="libsane-teco3.so.1"/><rpm:entry name="libsane.so.1"/><rpm:entry name="libsane-snapscan.so.1"/><rpm:entry name="libsane-artec.so.1"/><rpm:entry name="libsane-hp4200.so.1"/><rpm:entry name="libsane-mustek.so.1"/><rpm:entry name="libsane-mustek_usb2.so.1"/><rpm:entry name="libc.so.6(GLIBC_2.1.1)"/><rpm:entry name="libsane-bh.so.1"/><rpm:entry name="rtld(GNU_HASH)"/></rpm:requires></format></package> the programs mentioned above. </description><packager/></url>http://search.cpan.org/dist/String-CRC32/</url><time file="1181261902" build="1181145827"/><size package="13390" installed="14016" archive="15740"/><location href="getPackage/perl-String-CRC32-1.4-2.fc6.x86_64.rpm"/><format><rpm:license>Public Domain</rpm:license><rpm:vendor>Oracle</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build14</rpm:buildhost><rpm:source rpm>perl-String-CRC32-1.4-2.fc6.src.rpm</rpm:source rpm><rpm:header-range start="440" end="4809"/><rpm:provides><rpm:entry name="perl-String-CRC32" flags="EQ" epoch="0" ver="1.4" rel="2.fc6"/><rpm:entry name="CRC32.so()(64bit)"/><rpm:entry name="perl(String::CRC32)" flags="EQ" epoch="0" ver="1.4" rel="1"/><rpm:entry name="libc.so.6(GLIBC_2.4)(64bit)"/><rpm:entry name="perl(Exporter)"/><rpm:entry name="rtld(GNU_HASH)"/><rpm:entry name="perl(DynaLoader)"/><rpm:entry name="libc.so.6()(64bit)"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="rpmlib(VersionedDependencies)" flags="LE" epoch="0" ver="3.0.3" rel="1" pre="1"/><rpm:entry name="libc.so.6(GLIBC_2.2.5)(64bit)"/></rpm:provides><rpm:requires><rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/><rpm:entry name="libgphoto2.so.2"/><rpm:entry name="libsane-teco3.so.1"/><rpm:entry name="libsane-so.1"/><rpm:entry name="libsane-snapscan.so.1"/><rpm:entry name="libsane-artec.so.1"/><rpm:entry name="libsane-hp4200.so.1"/><rpm:entry name="libsane-mustek.so.1"/><rpm:entry name="libsane-mustek_usb2.so.1"/><rpm:entry name="libc.so.6(GLIBC_2.2)"/><rpm:entry name="libsane-st400.so.1"/><rpm:entry name="libusb-0.1.so.4"/><rpm:entry name="rtld(GNU_HASH)"/></rpm:requires></format></package> Usage of the firmware is subject to the terms and conditions contained <package type="rpm"><name>jakarta-oro-javadoc</name><arch>x86_64</arch><version epoch="0" ver="2.0.8" rel="3jpp.1"/><checksum type="sha" pkgid="YES">dff01ad4b1548c4d8a8b7a761dce8296be7fa75</checksum><summary>Javadoc for jakarta-oro</summary><description>Javadoc for jakarta-oro.</description><packager/></url>http://jakarta.apache.org/oro/</url><time file="1181088421" build="121629" installed="1197857" archive="1213744"/><location href="getPackage/jakarta-oro-javadoc-2.0.8-3jpp.1.x86_64.rpm"/><format><rpm:license>Apache License</rpm:license><rpm:vendor>Oracle</rpm:vendor><rpm:group>Development/Java</rpm:group><rpm:buildhost>ca-build14</rpm:buildhost><rpm:source rpm=Jakarta-oro-2.0.8-3jpp.1.src.rpm</rpm:source rpm><rpm:header-range start="440" end="14506"/><rpm:provides><rpm:entry name="Jakarta-oro-javadoc" flags="EQ" epoch="0" ver="2.0.8" rel="3jpp.1"/><rpm:entry name="oro-javadoc" flags="EQ" epoch="0" ver="2.0.8" rel="3jpp.1"/><rpm:entry name="Jakarta-oro-javadoc" flags="EQ" epoch="0" ver="2.0.8" rel="3jpp.1"/></rpm:provides><rpm:obsoletes><rpm:entry name="Jakarta-oro-javadoc" flags="LE" epoch="0" ver="2.0.8" rel="3jpp.1"/></rpm:obsoletes><rpm:requires><rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="bin/rm" pre="1"/><rpm:entry name="bin/ln" pre="1"/><rpm:entry name="bin/sh" pre="1"/><rpm:entry name="rpmlib(VersionedDependencies)" flags="LE" epoch="0" ver="3.0.3" rel="1" pre="1"/></rpm:requires></format></package> netpbm-progs. You'll also need to install the netpbm package. 

Usage of the firmware is subject to the terms and conditions contained in the firmware. 

 netpbm-progs. You'll also need to install the netpbm package.
build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>netpbm-10.35.58-10.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="98070"/><rpm:provides><rpm:entry name="netpbm-progs" flags="EQ" epoch="0" ver="10.35.58" rel="10.el5"/></rpm:provides><rpm:obsoletes><rpm:entry name="libgr-progs"/></rpm:obsoletes><rpm:requires><rpm:entry name="perl(Fcntl)"/><rpm:entry name="libc.so.6(GLIBC_2.3.4)(64bit)"/><rpm:entry name="ghostscript"/><rpm:entry name="libc.so.6(GLIBC_2.4)(64bit)"/><rpm:entry name="libz.so.1()(64bit)"/><rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="perl(strict)"/><rpm:entry name="libX11.so.6()(64bit)"/><rpm:entry name="perl(English)"/><rpm:entry name="perl(Errno)"/><rpm:entry name="netpbm" flags="EQ" epoch="0" ver="10.35.58" rel="10.el5"/><rpm:entry name="libjpeg.so.62()(64bit)"/><rpm:entry name="perl(Basename)"/><rpm:entry name="libtiff.so.3()(64bit)"/><rpm:entry name="libpng12.so.0()(64bit)"/><rpm:entry name="libm.so.6(GLIBC_2.3.4)(64bit)"/><rpm:entry name="perl RTLHASH"/>
<summary>The OpenJDK development tools.</summary> The OpenJDK development tools.

<description>The OpenJDK development tools.</description> The OpenJDK development tools.

<packager/></description>

<url>http://icedtea.classpath.org/</url> <time file="1372877582" build="1372876167"/>

<size package="12474548" installed="26700089" archive="26716788"/>

<location href="getPackage/java-1.6.0-openjdk-devel-1.6.0.0-1.41.1.11.11.90.0.1.el5_9_x86_64.rpm"/>

<format><rpm:license>ASL 1.1, ASL 2.0, GPL+, GPLv2, GPLv2 with exceptions, LGPL+, LGPLv2, MPLv1.0, MPLv1.1, Public Domain, W3C</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/Tools</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm>java-1.6.0-openjdk-1.6.0.0-1.41.1.11.11.90.0.1.el5_9.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="31881"/>

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<rpm:entry name="java-sdk-1.6.0-openjdk-devel" flags="EQ" epoch="1" rel="1.41.1.11.11.90.0.1.el5_9"/>

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<rpm:entry name="java-sdk-1.6.0-openjdk-devel" flags="EQ" epoch="1" rel="1.41.1.11.11.90.0.1.el5_9"/>

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<rpm:entry name="java-1.6.0-devel" flags="EQ" epoch="1" ver="1.6.0.0"/>

<rpm:provides><rpm:entry name="java-sdk-1.6.0-openjdk" flags="EQ" epoch="1" ver="1.6.0.0"/>

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<rpm:entry name="java-sdk-1.6.0" flags="EQ" epoch="1" ver="1.6.0.0"/>

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<rpm:entry name="libunpack.so()" flags="EQ" epoch="1" ver="1.6.0.0" rel="0.999"/>

<rpm:entry name="java-1.6.0-devel" flags="EQ" epoch="1" ver="1.6.0.0"/>
Open Source Used In APIC-SE-BATMAN v2.0.1

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1.6.0.0.x86_64/bin/policytool
1.6.0.0.x86_64/bin/unpack200
1.6.0.0.x86_64/bin/orbd
1.6.0.0.x86_64/bin/jstat
1.6.0.0.x86_64/bin/jrunscript
1.6.0.0.x86_64/bin/wsimport
1.6.0.0.x86_64/bin/jmap
1.6.0.0.x86_64/bin/serialver
1.6.0.0.x86_64/bin/jdb
1.6.0.0.x86_64/bin/jhat
1.6.0.0.x86_64/bin/apt
1.6.0.0.x86_64/bin/jsadebugd
1.6.0.0.x86_64/bin/native2ascii
1.6.0.0.x86_64/bin/xjc
1.6.0.0.x86_64/bin/idlj
1.6.0.0.x86_64/bin/java
1.6.0.0.x86_64/bin/jrunscript
1.6.0.0.x86_64/bin/wsimport
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1.6.0.0.x86_64/bin/serialver
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1.6.0.0.x86_64/bin/jhat
1.6.0.0.x86_64/bin/apt
1.6.0.0.x86_64/bin/jsadebugd
1.6.0.0.x86_64/bin/native2ascii
1.6.0.0.x86_64/bin/xjc
1.6.0.0.x86_64/bin/idlj
1.6.0.0.x86_64/bin/java

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1.6.0.0.x86_64/bin/native2ascii
1.6.0.0.x86_64/bin/xjc
1.6.0.0.x86_64/bin/idlj
1.6.0.0.x86_64/bin/java

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1.6.0.0.x86_64/bin/appletviewer
1.6.0.0.x86_64/bin/policytool
1.6.0.0.x86_64/bin/unpack200
1.6.0.0.x86_64/bin/orbd
1.6.0.0.x86_64/bin/jstat
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1.6.0.0.x86_64/bin/native2ascii
1.6.0.0.x86_64/bin/xjc
1.6.0.0.x86_64/bin/idlj
1.6.0.0.x86_64/bin/java

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1.6.0.0.x86_64/bin/xjc
1.6.0.0.x86_64/bin/idlj
1.6.0.0.x86_64/bin/java

The license can be found in the file "LICENSE" in the source distribution.

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license file "LICENSE", which is part of this distribution.
Open Source Used In APIC-SE-BATMAN v2.0.1

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mx4j.</description><packager/>
$url>http://mx4j.sourceforge.net/</url><time file="118126797" build="1181126797"/><size package="701590" installed="8525689" archive="8721768"/>
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$rpm:entry name="rpmdb(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/>
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Usage of the firmware is subject to the terms and conditions contained Usage of the firmware is subject to the terms and conditions contained applications.</description><packager/>
$url>http://www.nsa.gov/selinux</url><time file="1295060792" build="1294976524"/><size package="75829" installed="149286" archive="150240"/>
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Open Source Used in APIC-SE-BATMAN v2.0.1
Open Source Used In APIC-SE-BATMAN v2.0.1

build14</rpm:buildhost><rpm:sourcerpm>latex2html-2002.2.1-6.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="83867"/><rpm:provides><rpm:entry name="perl(cfsgcache)"/><rpm:entry name="perl(L2hos::Unix)"/><rpm:entry name="perl(prefs)"/><rpm:entry name="latex2html" flags="EQ" epoch="0" rel="6"/><rpm:entry name="perl(L2hos)"/><rpm:entry name="perl(Fcntl)"/><rpm:entry name="perl(L2hos)"/><rpm:entry name="rpmdb(PayloadFilesHavePrefix)" flags="LE" epoch="0" rel="1" pre="1"/><rpm:entry name="perl(Sys::Hostname)"/><rpm:entry name="rpmdb(CompressedFileNames)" flags="LE" epoch="0" rel="3.0.4" pre="1"/><rpm:entry name="perl(Getopt::Long)"/><rpm:entry name="perl(Cwd)"/><rpm:entry name="perl(Carp)"/><rpm:entry name="tetex-dvips"/><rpm:entry name="tetex-latex"/><rpm:entry name="/usr/bin/perl"/><rpm:entry name="perl(Exporter)"/><rpm:entry name="perl(strict)"/><rpm:entry name="perl(AnyDBM_File)"/><rpm:entry name="perl(vars)"/><rpm:entry name="perl(File::Copy)"/><rpm:entry name="/bin/sh" pre="1"/><rpm:entry name="perl" flags="GE" epoch="0" ver="5.003"/> <rpm:requires><file>/usr/bin/jtexexpand</file><file>/usr/bin/jpstoimg</file><file>/usr/bin/texexpand</file><file>/usr/bin/jpstoimg</file><file>/usr/bin/texexpand</file><file>/usr/bin/jpstoimg</file><file>/usr/bin/texexpand</file><file>/usr/bin/jpstoimg</file></rpm:requires></format></package> is subject to the terms and conditions contained inside the provided Linux. Usage of the firmware is subject to the terms and conditions contained (instance) pooling package to be distributed under the ASF license. <package type="rpm"><name>pdksh</name><arch>src</arch><version epoch="0" ver="5.2.14" rel="37.el5_8.1"/><checksum type="sha" pkgid="YES">32bed84bf97de9e7df7f43c66efa230b5798e1</checksum> <summary>A public domain shell implementing ksh-88</summary><description>The pdksh package contains public domain implementation of ksh-88. Pdksh is unmaintained since 1998 and is obsoleted by ksh package. </description><packager/></rpm:buildhost><rpm:sourcerpm/><rpm:header-range start="456" end="7933"/><rpm:requires><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" rel="3.0.4" pre="1"/><rpm:entry name="ncurses-devel"/></rpm:requires></format></package> are named to permit each to be installed on a single host. <description>The description is subject to the terms and conditions contained (instance) pooling package to be distributed under the ASF license. <package type="rpm"><name>sqlite</name><arch>src</arch><version epoch="0" ver="3.3.6" rel="7"/><checksum type="sha" pkgid="YES">32bed84bf97de9e7df7f43c66efa230b5798e1</checksum> <summary>A public domain shell implementing ksh-88</summary><description>The sqlite package contains public domain implementation of SQLite. SQLite is a software library that provides an SQL database system. </description><packager/></rpm:buildhost><rpm:sourcerpm/><rpm:header-range start="440" end="4798"/><rpm:requires><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" rel="3.0.4" pre="1"/><rpm:entry name="ncurses-devel"/><rpm:entry name="readline-devel"/></rpm:requires></format></package> are named to permit each to be installed on a single host. <description>The description is subject to the terms and conditions contained (instance) pooling package to be distributed under the ASF license. <package type="rpm"><name>libselinux</name><arch>src</arch><version epoch="0" ver="1.15.2" rel="1"/><checksum type="sha" pkgid="YES">32bed84bf97de9e7df7f43c66efa230b5798e1</checksum> <summary>A public domain shell implementing ksh-88</summary><description>The libselinux package contains public domain implementation of SELinux. SELinux is a security kernel module that provides mandatory access control capabilities of the Linux 2.4.x and 2.6.x
JUnit is Open Source Software, released under the IBM Public License and hosted on SourceForge. jars.

ANTLR is Open Source Software, released under the Public Domain License and hosted on SourceForge. A

Moby is Open Source Software, released under the Public Domain License and hosted on SourceForge. A

Postfix is Open Source Software, released under the IBM Public License and hosted on SourceForge. A

Oro is Open Source Software, released under the Apache License and hosted on SourceForge. A
name="tomcat5-jsp-2.0-api"/>

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<rpm:requires>
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freely available under the terms of the GNU General Public Licence. In

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JUnit is Open Source Software, released under the IBM Public License and hosted on

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general availability under the terms of the GNU General Public Licence. In

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  <summary>Manual for struts</summary>
  <description>Documentation for struts.</description>
</package>

USA</rpm:vendor>

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<package type="rpm">
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  <version epoch="0" ver="1.2.9" rel="4jpp.5"/>
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  </checksum>
  <summary>Manual for struts</summary>
  <description>Documentation for struts.</description>
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Open Source Used In APIC-SE-BATMAN v2.0.1  12508

USA</rpm:vendor> <rpm:group>Development/Documentation</rpm:group> <rpm:buildhost>ca-build14</rpm:buildhost> <rpm:sourcerpm>struts-1.2.9-4jpp.5.src.rpm</rpm:sourcerpm> <rpm:header-range start="440" end="19721"/> <rpm:provides> <rpm:entry name="struts-manual" flags="EQ" epoch="0" ver="1.2.9" rel="4jpp.5"/> </rpm:provides> <rpm:requires> <rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/> <rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/> </rpm:requires> </package> <package type="rpm"><name>junit-manual</name> <arch>x86_64</arch> <version epoch="0" ver="3.8.2" rel="3jpp.1"/> <checksum type="sha" pkgid="YES">e85b530c25707a8d2f88610a7a0a66093423a66</checksum> <summary>Manual for junit</summary> <description>Documentation for junit</description> <packager/> <url>http://www.junit.org/</url> <time file="1181090054"/> <size package="115636" installed="242283" archive="246560"/> <format> <rpm:license>Common Public License</rpm:license> <rpm:vendor>Oracle</rpm:vendor> <rpm:group>Development/Testing</rpm:group> <rpm:buildhost>ca-build14</rpm:buildhost> <rpm:sourcerpm>junit-3.8.2-3jpp.1.src.rpm</rpm:sourcerpm> <rpm:header-range start="440" end="7101"/> <rpm:provides> <rpm:entry name="junit-manual" flags="EQ" epoch="0" ver="3.8.2" rel="3jpp.1"/> </rpm:provides> <rpm:requires> <rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/> <rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/> </rpm:requires> </package> <package type="rpm"><name>libvorbis</name> <arch>x86_64</arch> <version epoch="1" ver="1.1.2" rel="3.el5_7.6"/> <checksum type="sha" pkgid="YES">b433c070041d0b31b81e2913c175942ad9980911</checksum> <summary>The Vorbis General Audio Compression Codec.</summary> <description>Ogg Vorbis is a fully open, non-proprietary, patent-and royalty-free, open source audio compression codec.</description> <packager/> <url>http://www.vorbis.com/</url> <time file="1181168594"/> <size package="1312354" installed="11455967" archive="11602608"/> <location href="getPackage/libvorbis-1.1.2-3jpp.1.x86_64.rpm"/> <format> <rpm:license>Public Domain</rpm:license> <rpm:vendor>Oracle</rpm:vendor> <rpm:group>Development/Testing</rpm:group> <rpm:buildhost>ca-build14</rpm:buildhost> <rpm:sourcerpm>libvorbis-1.1.2-3jpp.1.src.rpm</rpm:sourcerpm> <rpm:header-range start="440" end="94411"/> <rpm:provides> <rpm:entry name="libvorbis" flags="EQ" epoch="0" ver="1.1.2" rel="3jpp.1"/> </rpm:provides> <rpm:requires> <rpm:entry name="/bin/ln" pre="1"/> <rpm:entry name="/bin/rm" pre="1"/> <rpm:entry name="/bin/sh" pre="1"/> <rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/> <rpm:entry name="rpmlib(PayloadFilesHavePrefix)" flags="LE" epoch="0" ver="4.0" rel="1" pre="1"/> </rpm:requires> </package> <package type="rpm"><name>antlr-javadoc</name> 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Usage of the firmware is subject to the terms and conditions contained needed for developing SELinux applications. <description>packager/><url>http://www.nsa.gov/selinux</url><time file="1295060747" build="1294976512"><size packages="147109" installed="290805" archive="308912"/></size><location href="getPackage/libselinux-devel-1.33.4-5.7.el5.i386.rpm"/><format><rpm:license>Public domain (uncopyrighted)</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>libselinux-1.33.4-5.7.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="49899"/><rpm:provides><rpm:entry name="libselinux-devel" flags="EQ" epoch="0" ver="1.33.4" rel="5.7.el5"/></rpm:provides><rpm:requires><rpm:entry name="/usr/bin/python"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/></rpm:requirements></format></package> .d files into tracing-macro-laden .h headers. <description>packager/><url>http://sourceware.org/systemtap/</url><time file="1357852123" build="1357726127"><size packages="71014" installed="180725" archive="182680"/></size><location href="getPackage/systemtap-sdt-devel-1.8-6.el5.x86_64.rpm"/><format><rpm:license>GPLv2+ and Public Domain</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/System</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm>systemtap-1.8-6.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="10587"/><rpm:provides><rpm:entry name="systemtap-sdt-devel" flags="EQ" epoch="0" ver="1.8" rel="6.el5"/></rpm:provides><rpm:requires><rpm:entry name="/usr/bin/python"/></rpm:requirements></format></package> static libraries and header files necessary to build Motif applications. <description>packager/><url>http://www.motifzone.net/</url><time file="1380614986" build="1380614946"><size packages="3083411" installed="6895685" archive="7040604"/></size><location href="getPackage/openmotif-devel-2.3.1-7.2.el5.i386.rpm"/><format><rpm:license>Open Group Public License</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm>openmotif-2.3.1-7.2.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="122269"/><rpm:provides><rpm:entry name="openmotif-devel" flags="EQ" epoch="0" ver="2.3.1" rel="7.2.el5"/></rpm:provides><rpm:conflicts><rpm:entry name="lesstif-devel" flags="LE" epoch="0" ver="0.92.32" rel="6"/></rpm:conflicts><rpm:requires><rpm:entry name="libSM.so.6"/><rpm:entry name="libXext-devel"/><rpm:entry name="libpng-devel"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/></rpm:requires></rpm:conflicts></format></package>
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warnings, errors and
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linked against Motif, and the Motif Window Manager "mwm". This description packager/>
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name="libXm.so.4"/><rpm:entry name="libpng12.so.0"/><rpm:entry name="libjpeg-devel"/>
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you will need to install sqlite-devel.</description>
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</package> Linux. Usage of
the firmware is subject to the terms and conditions contained is subject to the terms and conditions contained inside the provided to have the netpbm package

The firmware is subject to the terms and conditions contained inside the provided to have the netpbm package.

Usage of the firmware is subject to the terms and conditions contained by the netpbm package.

Ogg Vorbis is a fully open, non-proprietary, patent-and royalty-free, Usage of the firmware is subject to the terms and conditions contained by the netpbm package.

The Vorbis General Audio Compression Codec. Usage of the firmware is subject to the terms and conditions contained by the netpbm package.

Chinese TrueType Font -- Simplified and Traditional Chinese Ming and Kai Face. Usage of the firmware is subject to the terms and conditions contained by the netpbm package.

Chinese TTFFonts donated by Arphic company, with additional Hong Kong characters by Hong Kong font project and bitmap by Firefly. Read license files for details. Usage of the firmware is subject to the terms and conditions contained by the netpbm package.

The firmware is subject to the terms and conditions contained by the netpbm package.
This package contains development files for the expect library.

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Namespace-aware XML parser written in TeX. 

The packages linked against Motif, and the Motif Window Manager "mwm". 

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1.7.0.25.x86_64/bin/jar</file></format></package> <package type="rpm"><name>libselinux-utils</name><arch>x86_64</arch><version epoch="0" ver="1.33.4" rel="5.7.el5"/><checksum type="sha" pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8</checksum><summary>SELinux libselinux utilities</summary><description>The libselinux-utils package contains the SELinux utilities</description><packager/><url>http://www.nsa.gov/selinux</url><time file="1295060817" build="1294976524"/><size packages="56935" archive="54416"/><location href="getPackage/libselinux-utils-1.33.4-5.7.el5.x86_64.rpm"/></format><rpm:license>Public domain (uncopyrighted)</rpm:license><rpm:vendor>Oracle</rpm:vendor> America</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>libselinux-1.33.4-5.7.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="38512"/><rpm:provides><rpm:entry name="libselinux-utils" flags="EQ" epoch="0" ver="1.33.4" rel="5.7.el5"/></rpm:provides><rpm:provides><rpm:entry name="libsepol.so.1()(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.4)(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.3.4)(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.2.5)(64bit)"/></rpm:provides><rpm:requires><rpm:entry name="libc.so.6()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcc_s.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="librt.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcj_bc.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libpthread.so.0()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcj.so.1()(64bit)"/></rpm:requires><rpm:provides><rpm:entry name="libselinux.so.1()(64bit)"/></rpm:provides> pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8</pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8</rpm:license><rpm:vendor>Oracle</rpm:vendor> America</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>libselinux-1.33.4-5.7.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="38512"/><rpm:provides><rpm:entry name="libselinux-utils" flags="EQ" epoch="0" ver="1.33.4" rel="5.7.el5"/></rpm:provides><rpm:provides><rpm:entry name="libsepol.so.1()(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.4)(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.3.4)(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.2.5)(64bit)"/></rpm:provides><rpm:requires><rpm:entry name="libc.so.6()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcc_s.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="librt.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcj_bc.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libpthread.so.0()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcj.so.1()(64bit)"/></rpm:requires><rpm:provides><rpm:entry name="libselinux.so.1()(64bit)"/></rpm:provides> pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8</pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8</rpm:license><rpm:vendor>Oracle</rpm:vendor> America</rpm:vendor><rpm:group>Development/Libraries</rpm:group><rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost><rpm:sourcerpm>libselinux-1.33.4-5.7.el5.src.rpm</rpm:sourcerpm><rpm:header-range start="440" end="38512"/><rpm:provides><rpm:entry name="libselinux-utils" flags="EQ" epoch="0" ver="1.33.4" rel="5.7.el5"/></rpm:provides><rpm:provides><rpm:entry name="libsepol.so.1()(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.4)(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.3.4)(64bit)"/></rpm:provides><rpm:provides><rpm:entry name="libc.so.6(GLIBC_2.2.5)(64bit)"/></rpm:provides><rpm:requires><rpm:entry name="libc.so.6()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcc_s.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="librt.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcj_bc.so.1()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libpthread.so.0()(64bit)"/></rpm:requires><rpm:requires><rpm:entry name="libgcj.so.1()(64bit)"/></rpm:requires><rpm:provides><rpm:entry name="libselinux.so.1()(64bit)"/></rpm:provides> pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8</pkgid="YES">0cfdac3128f8e199c08bd01889d0737d32857c8
Open Source Used In APIC-SE-BATMAN v2.0.1

Java(TM) Management Extensions (JMX).

USA

America

with "sh" (the Bourne Shell).

America

Development/Libraries/Java

Oracle

Oracle

Oracle

Common Public License Version 1.0

Common Public License Version 1.0
Open Source Used In APIC-SE-BATMAN v2.0.1

1) mx4j

- **Checksum:** 0648390b3331a4d59bccc84aabe4ce3e0adf4bfc
- **License:** Apache License
- **Vendor:** Oracle

- **Homepage:** [http://mx4j.sourceforge.net/](http://mx4j.sourceforge.net/)
- **Archives:** 1181126797
- **Size:** 626885
- **Installed Size:** 8175107
- **SHA1:** 8359040

- **Description:** Javadoc for mx4j

- **Format:**
  - License: Apache License
  - Vendor: Oracle USA
  - Group: Development/Documentation
  - Buildhost: ca-build14
  - Sourcerpm: mx4j-3.0.1-6jpp.4.src.rpm
  - Header-range: 440

2) java-1.7.0-openjdk-src

- **Checksum:** 77ec8908362344a64a64a753b71102d4ecf3acc6fd
- **License:** ASL 1.1 and ASL 2.0 and GPL+ and GPLv2 and GPLv2 with exceptions and LGPL+ and LGPLv2 and MPLv1.0 and MPLv1.1 and Public Domain and W3C
- **Vendor:** Oracle America

- **Homepage:** [http://openjdk.java.net/](http://openjdk.java.net/)
- **Archives:** 1372674629
- **Size:** 41874203
- **Installed Size:** 44850048

- **Description:** OpenJDK Source Bundle

- **Format:**
  - License: ASL 1.1 and ASL 2.0 and GPL+ and GPLv2 and GPLv2 with exceptions and LGPL+ and LGPLv2 and MPLv1.0 and MPLv1.1 and Public Domain and W3C
  - Vendor: Oracle
  - Group: Development/Languages
  - Buildhost: ca-build56.us.oracle.com

3) jakarta-oro

- **Checksum:** 77ec8908362344a64a64a753b71102d4ecf3acc6fd
- **License:** Apache License
- **Vendor:** Oracle USA

- **Homepage:** [http://jakarta.apache.org/oro](http://jakarta.apache.org/oro)
- **Archives:** 1181088421
- **Size:** 198282
- **Installed Size:** 535488

- **Description:** Jakarta ORO

- **Format:**
  - License: Apache License
  - Vendor: Oracle

- **Vendor:** Oracle

- **Homepage:** [http://jakarta.apache.org/oro](http://jakarta.apache.org/oro)
- **Archives:** 1181088421
- **Size:** 198282
- **Installed Size:** 535488

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Open Source Used in APIC-SE-BATMAN v2.0.1 12556
<package type="rpm"><name>pdksh</name><arch>src</arch><version epoch="0" ver="5.2.14" rel="37.el5.8.1;charset checksum type="sha"
pkgid=\"YES\" 32bed84bf97dc9e97df743c66efa230b5798e1</checksum><summary>A public domain shell implementing ksh-88</summary><description>The pdksh package contains public domain implementation of ksh-88. Pdksh is unmaintained since 1998 and is obsoleted by ksh package. </description><packager><url>http://www.cs.mun.ca/~michael/pdksh/</url><time file="1345629194" build="1345629085"/>
<size package="505838" installed="525077" archive="527304"/>
<location href="getPackageSource/pdksh-5.2.14-37.el5_8.1.src.rpm"/>
<rpm:requires><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/></rpm:requires></format></package>

d</file><file>/usr/bin/pstoimg</file><file>/usr/bin/latex2html</file><file>/usr/bin/jlatex2html</file></format></pa
ckage> is subject to the terms and conditions contained inside the provided Linux. Usage of the firmware is subject
to the terms and conditions contained (instance) pooling package to be distributed under the ASF license. <package

type="rpm"> <name>vorbis-tools</name><arch>src</arch><version epoch="0" ver="1.1.1" rel="3.el5.8.1;charset checksum type="sha"
pkgid=\"YES\" 6180ab9a5fe6d6a0fbee83fd3c2746a680ed3b6</checksum><summary>The Vorbis General Audio
Compression Codec tools. <summary><description>Ogg Vorbis is a fully open, non-proprietary, patent- and royalty-free. <package type="rpm"><name>gnu-crypto</name><arch>src</arch><version epoch="0" ver="2.1.0" rel="2jpp.1"/><checksum type="sha"
pkgid="YES">82bf1bc86abd70ae03083cc8fd84f23d432b3334</checksum><summary>GNU Crypto library for Java</summary><description>GNU Crypto, part of the GNU project, released under the aegis of GNU. <package type="rpm"><name>java-1.7.0-openjdk</name><arch>src</arch><version epoch="1" ver="1.7.0.25" rel="2.3.10.5.0.1.el5_9"/><checksum type="sha"
pkgid="YES">d070792d551398384df3b9e13159e6b7894f9c7</checksum><summary>OpenJDK Runtime Environment</summary><description>The OpenJDK runtime environment. <packager><url>http://openjdk.java.net/</url><time file="1372674628" build="1372673080"/><size package="68332479" archive="70359156"/><location href="getPackageSource/java-1.7.0-openjdk-1.7.0.25-2.3.10.5.0.1.el5_9.src.rpm"><format><rpm:license>ASL 1.1 and ASL 2.0 and GPL+ and LGPL+ and LGPLv2 and MPLv1.0 and MPLv1.1 and Public Domain and W3C</rpm:license><rpm:vendor>Oracle</rpm:vendor><rpm:group>Development/Languages</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm/><rpm:header-range start="440" end="18228"/><rpm:requires><rpm:entry name="zlib" flags="GT" epoch="0" ver="1.2.3" rel="6"/><rpm:entry name="desktop-file-utils"/><rpm:entry name="ant17"/><rpm:entry name="ant17-nodeps"/><rpm:entry name="automake"/><rpm:entry name="libXi-devel"/><rpm:entry name="giflib-devel"/><rpm:entry name="autoconf"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="xmlslit"/><rpm:entry name="xorg-x11-proto-devel"/><rpm:entry name="javaintel-commons-logging"/><rpm:entry name="alsa-lib-devel"/><rpm:entry name="fontconfig"/><rpm:entry name="libXi-devel"/><rpm:entry name="openssl"/><rpm:entry name="ant17"/><rpm:entry name="cups-devel"/><rpm:entry name="zip"/><rpm:entry name="systemtap-sdk-devel"/><rpm:entry name="libbonobo-devel"/><rpm:entry name="libX11-devel"/><rpm:entry name="libjpeg-devel"/><rpm:entry name="libpng-devel"/><rpm:entry name="gcc-c++"/><rpm:entry name="xorg-x11-utils"/><rpm:entry name="libXtst-devel"/><rpm:entry name="libXt-devel"/><rpm:entry name="wget"/><rpm:entry name="java7-devel" flags="GE" epoch="1" ver="1.7.0"/><rpm:entry name="rhino"/><rpm:entry name="libXinerama-devel"/><rpm:entry name="redhat-lib"/><rpm:entry name="prelink"/><rpm:entry name="pkgconfig" flags="GE" epoch="0" ver="0.9.0"/><rpm:entry name="xorg-x11-fonts-Type1"/><rpm:entry name="at-spi-devel"/><rpm:requires></rpm:requires></format></package> Many more format conversions are supported, see given URL for more. <description><packager><url>http://www.deepspace6.net/projects/ipv6calc.html</url><time file="1181265494" build="1181082501"/><size package="555494" archive="552692"/><location href="getPackageSource/ipv6calc-0.61-1.src.rpm"><format><rpm:license>GNU GPL version 2</rpm:license><rpm:vendor>Oracle USA</rpm:vendor><rpm:group>Applications/Text</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm/><rpm:header-range start="440" end="18228"/><rpm:requires><rpm:entry name="krb5-devel"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:requires></rpm:requires></format></package> is subject to the terms and conditions contained inside the provided around the world. <description><packager><url>https://www.iana.org/time-zones</url><time file="1373355960" build="1373355887"/><size package="555494" archive="552692"/><location href="getPackageSource/tzdata-2013c-2.el5.src.rpm"><format><rpm:license>Public Domain</rpm:license><rpm:vendor>Oracle America</rpm:vendor><rpm:group>System Environment/Base</rpm:group><rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost><rpm:sourcerpm/><rpm:header-range start="440" end="29168"/><rpm:requires><rpm:entry name="perl"/><rpm:entry name="java-1.6.0-openjdk-devel"/><rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/><rpm:entry name="glibc-
Usage of the firmware is subject to the terms and conditions contained objects.

code.

Linux. Usage of the firmware is subject to the terms and conditions contained pages are generated from a single LATEX source.
name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" rel="3.0.4" relpre="1"/>
</rpm:requires></format></package>

else when equivalent functionality is implemented elsewhere. </description>

<package><url><time file="1211812366" build="1205442799"/></time></url><size package="9141" installed="10323" archive="10696"/></size><location href="getPackageSource/htmlview-4.0.0-2.el5.src.rpm"/>
</rpm:source>
</rpm:requires></format></package>

of the standard created by JSR110. </description><package><url>http://sourceforge.net/projects/amtueal/</url><time file="1290016685" build="1289514676"/></time><size package="60745" installed="58599" archive="59112"/></size><location href="getPackageSource/amtu-1.0.6-2.el5.src.rpm"/>
</rpm:source>
</rpm:requires></format></package>

JUnit is Open Source Software, released under the IBM Public License and hosted on SourceForge. </description><package><url><time file="1325024723" build="1324418118"/></time><size package="138897" installed="140940" archive="142796"/></size><location href="getPackageSource/setup-2.5.58-9.el5.src.rpm"/>
</rpm:source>
</rpm:requires></format></package>
Open Source Used In APIC-SE-BATMAN v2.0.1 12564

replacement for proprietary PXE ROMs, with many extra features such as passwords.

their development under the Jakarta Project.

Java(TM) Management Extensions (JMX).

TLS
name="docbook-dtds" flags="GE" epoch="0" ver="1.0/" /> <rpm:entry name="xerces-j2" /> <rpm:entry name="ant" flags="GE" epoch="0" ver="1.6/" /> <rpm:entry name="wsdl4j" /> <rpm:entry name="jpackage-utils" flags="GT" epoch="0" ver="1.4/" /> <rpm:entry name="axis" flags="GE" epoch="0" ver="1.1/" /> <rpm:entry name="jaf" /> <rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1/" /> <rpm:entry name="jarkata-commons-logging" flags="GE" epoch="0" ver="1.0.1/" /> <rpm:entry name="docbook-style-xsl" flags="GE" epoch="0" ver="1.6.1/" /> <rpm:entry name="coreutils" /> <rpm:entry name="jce" flags="GE" epoch="0" ver="1.2.2/" /> <rpm:entry name="bcel" flags="GE" epoch="0" ver="5.0/" /> <rpm:entry name="java-gcj-compat-devel" /> <rpm:entry name="xml-commons-resolver" /> <rpm:entry name="log4j" flags="GE" epoch="0" ver="1.2.7/" /> <rpm:entry name="jakarta-commons-discovery" /> <rpm:entry name="jsse" flags="GE" epoch="0" ver="1.0.2" rel="6jpp" /> <rpm:entry name="xml-commons-apis" /> <rpm:entry name="javadoc" /> <rpm:entry name="javalang" flags="GE" epoch="0" ver="1.2" rel="5jpp" /> <rpm:entry name="xml-commons" /> <rpm:entry name="xdoclet" /> <rpm:entry name="ant-apache-resolver" /> <rpm:entry name="ant-trax" /> <rpm:entry name="rpm:requires" format="/" package="" with "sh" (the Bourne Shell)." <description> <packager> <url>http://www.kornshell.com/</url> <time file="1380615612" build="1380615115" /> <size package="3780386" installed="3844453" archive="3852000" /> <location href="getPackageSource/ksh-20100621-18.el5.src.rpm" /> <format> <rpm:license>Common Public License Version 1.0</rpm:license> <rpm:vendor>Oracle America</rpm:vendor> <rpm:group>Applications/Shells</rpm:group> <rpm:buildhost>ca-build56.us.oracle.com</rpm:buildhost> <rpm:sourcerpm/> <rpm:header-range start="440" end="19191" /> <rpm:requires> <rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1/" /> </rpm:requires> </format> Usage of the firmware is subject to the terms and conditions contained Usage of the firmware is subject to the terms and conditions contained linked against Motif. </description> <packager> <url>http://www.motifzone.net/</url> <time file="1325024513" build="1324404791" /> <size package="6030830" installed="9983550" archive="9988920" /> <location href="getPackageSource/openmotif22-2.2.3-20.src.rpm" /> <format> <rpm:license>Open Group Public License</rpm:license> <rpm:vendor>Oracle America</rpm:vendor> <rpm:group>System Environment/Libraries</rpm:group> <rpm:buildhost>ca-build10.us.oracle.com</rpm:buildhost> <rpm:sourcerpm/> <rpm:header-range start="440" end="7348" /> <rpm:requires> <rpm:entry name="xorg-x11-font-utils" /> <rpm:entry name="rpmlib(CompressedFileNames)" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1/" /> </rpm:requires> </format> is subject to the terms and conditions contained inside the provided <package type="rpm"> <name>fonts-chinese</name> <arch>src</arch> <version epoch="0" ver="3.02" rel="12.el5/" /> </package> handle non-text files. <description> <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid="YES" fco04f0292b8e7805b48a65f67cd6f84ca1c1d73" <checksum type="sha" pksid=...
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<format><rpm:license>public domain</rpm:license><rpm:vendor>Oracle USA</rpm:vendor><rpm:group>System Environment/Base</rpm:group><rpm:buildhost>ca-build14</rpm:buildhost><rpm:header-range start="440" end="5618"/>
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hand-held scanner, video and still cameras, frame-grabbers, etc.).
</description>

<packager/>
<url>http://www.sane-project.org/</url>
<time file="11811262760" build="11811162760"/>
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<format><rpm:license>GPL (programs), relaxed LGPL (libraries), and public domain (docs)</rpm:license><rpm:vendor>Oracle USA</rpm:vendor><rpm:group>System Environment/Libraries</rpm:group><rpm:buildhost>ca-build14</rpm:buildhost><rpm:sourcerpm/>
<rpm:header-range start="440" end="14858"/>
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<rpm:entry name="libtool"/>
<rpm:entry name="libjpeg-devel"/>
<rpm:entry name="autoconf"/>
<rpm:entry name="gphoto2-devel"/></rpm:requires></format></package>

which enhance Python's usability in many areas.
</description>

<packager/>
<time file="11811265543" build="11811125754"/>
<size package="594500" installed="594968" archive="594968"/>
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<rpm:header-range start="440" end="4219"/>
<rpm:requires><rpm:entry name="glibc-devel"/>
<rpm:entry name="python-devel"/>
<rpm:entry name="gcc"/>
<rpm:entry name="python"/>
<rpm:entry name="Distutils"/>
<rpm:entry name="rpm(lib(CompressedFileNames))" flags="LE" epoch="0" ver="3.0.4" rel="1" pre="1"/></rpm:requires></format></package>

Usage of the firmware is subject to the terms and conditions contained http://jakarta.apache.org/struts.
</description>

<packager/>
<url>http://struts.apache.org/</url>
<time file="1181167923" build="11811167923"/>
<size package="5725496" installed="5784185" archive="5786120"/>
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<rpm:header-range start="440" end="8167"/>
<rpm:requires><rpm:entry name="sed"/>
<rpm:entry name="java-gcj-compat-devel"/>
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<rpm:entry name="jakarta-
1.1087 httpclient 4.5.2

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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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(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.

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
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- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [ParameterNameProvider](https://docs.oracle.com/javase/7/docs/api/javax/validation/ParameterNameProvider.html). By default, `arg0`, `arg1` etc.
* will be used as parameter names.
* </p>
* </p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* </pre>
* {code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* Can be specified on any method or constructor.
* </p>
* *
* @author Gunnar Morling
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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*/
/**
* Retrieves constraint related meta data for the parameters of the given
* executable.
*
* @param executable The executable of interest.
*
* @return A list with parameter meta data for the given executable.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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  jar/org/hibernate/validator/internal/util/TypeHelper.java
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  jar/org/hibernate/validator/internal/engine/messageinterpolation/ElTermResolver.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/internal/engine/valueextraction/FloatArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/cfg/defs/pl/REGONDef.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/resourceloading/PlatformResourceBundleLocator.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/constraints/time/package-info.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/internal/xml/mapping/ContainerElementTypeStaxBuilder.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/internal/metadata/aggregated/rule/VoidMethodsMustNotBeReturnValueConstrained.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
  jar/org/hibernate/validator/internal/xml/mapping/ConstrainedConstructorStaxBuilder.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-

* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/cfg/defs/PositiveOrZeroDef.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/constraints/CompositionType.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/util/logging/formatter/ClassObjectFormatter.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/path/ContainerElementNode.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/constraintvalidators/bv/number/bound/MinValidatorForBigInteger.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/engine/valueextraction/DoubleArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/metadata/descriptor/ParameterDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/cfg/context/GroupConversionTarget.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForOffsetDateTime.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/engine/path/package-info.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/xml/config/BootstrapConfigurationImpl.java
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validation/internal/metadata/aggregated/AbstractConstraintMetaData.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/AbstractFutureInstantBasedValidator.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckValidator.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validator/internal/engine/messageinterpolation/el/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/ClassConstraintTypeStaxBuilder.java
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForMonthDay.java
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidation/ClassBasedValidatorDescriptor.java
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-configuration-1.1.xsd
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Julian Seward, Cambridge, UK.
jsward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006
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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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Version 3.1, 31 March 2009

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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.

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.

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during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

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DRuntime: Runtime Library for the D Programming Language

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

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1.1105 coreutils 8.22 24.el7
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/* chown-core.c -- core functions for changing ownership.
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*/

/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>

#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"

#define FTSENT_IS_DIRECTORY(E) \
    ((E)->fts_info == FTS_D) \
    || (E)->fts_info == FTS_DC) \
    || (E)->fts_info == FTS_DP) \
    || (E)->fts_info == FTS_DNR)

enum RCH_status
{
    /* we called fchown and close, and both succeeded */
    RC_ok = 2,

    /* required_uid and/or required_gid are specified, but don't match */
    RC_excluded,

    /* SAME_INODE check failed */
RC_inode_changed,

/* open/fchown isn’t needed, isn’t safe, or doesn’t work due to
   permissions problems; fall back on chown */
RC_do_ordinary_chown,

/* open, fstat, fchown, or close failed */
RC_error
}

extern void
chopt_init (struct Chown_option *chopt)
{
  chopt->verbosity = V_off;
  chopt->root_dev_ino = NULL;
  chopt->affect_symlink_referent = true;
  chopt->recurse = false;
  chopt->force_silent = false;
  chopt->user_name = NULL;
  chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
  /* Deliberately do not free chopt->user_name or ->group_name.
     They’re not always allocated. */
}

/* Convert the numeric group-id, GID, to a string stored in xmalloc’d memory,
   and return it. If there’s no corresponding group name, use the decimal
   representation of the ID. */

extern char *
gid_to_name (gid_t gid)
{
  char buf[INT_BUFSIZE_BOUND (intmax_t)];
  struct group *grp = getgrgid (gid);
  return xstrdup (grp ? grp->gr_name
          : TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf)
          : umaxtostr (gid, buf));
}

/* Convert the numeric user-id, UID, to a string stored in xmalloc’d memory,
   and return it. If there’s no corresponding user name, use the decimal
   representation of the ID. */

extern char *
uid_to_name (uid_t uid)
{
char buf[INT_BUFSIZE_BOUND (intmax_t)];
struct passwd *pwd = getpwuid (uid);
return xstrdup (pwd ? pwd->pw_name
: TYPE_SIGNED (uid_t) ? imaxtostr (uid, buf)
: umaxtostr (uid, buf));
}
/* Allocate a string representing USER and GROUP. */
static char *
user_group_str (char const *user, char const *group)
{
char *spec = NULL;
if (user)
{
if (group)
{
spec = xmalloc (strlen (user) + 1 + strlen (group) + 1);
stpcpy (stpcpy (stpcpy (spec, user), ":"), group);
}
else
{
spec = xstrdup (user);
}
}
else if (group)
{
spec = xstrdup (group);
}
return spec;
}
/* Tell the user how/if the user and group of FILE have been changed.
If USER is NULL, give the group-oriented messages.
CHANGED describes what (if anything) has happened. */
static void
describe_change (const char *file, enum Change_status changed,
char const *old_user, char const *old_group,
char const *user, char const *group)
{
const char *fmt;
char *old_spec;
char *spec;

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if (changed == CH_NOT_APPLIED)
{
    printf (_("neither symbolic link %s nor referent has been changed\n"),
            quote (file));
    return;
}

spec = user_group_str (user, group);
old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

switch (changed)
{
    case CH_SUCCEEDED:
        fmt = (user ? _("changed ownership of %s from %s to %s\n")
                : group ? _("changed group of %s from %s to %s\n")
                : _("no change to ownership of %s\n"));
        break;
    case CH_FAILED:
        if (old_spec)
        {
            fmt = (user ? _("failed to change ownership of %s from %s to %s\n")
                    : group ? _("failed to change group of %s from %s to %s\n")
                    : _("failed to change ownership of %s\n"));
            break;
        }
        else
        {
            fmt = (user ? _("failed to change ownership of %s to %s\n")
                    : group ? _("failed to change group of %s to %s\n")
                    : _("failed to change ownership of %s\n"));
            free (old_spec);
            old_spec = spec;
            spec = NULL;
        }
        break;
    case CH_NO_CHANGE_REQUESTED:
        fmt = (user ? _("ownership of %s retained as %s\n")
                : group ? _("group of %s retained as %s\n")
                : _("ownership of %s retained\n"));
        break;
    default:
        abort ();
        }

    printf (fmt, quote (file), old_spec, spec);

    free (old_spec);
    free (spec);
/* Change the owner and/or group of the FILE to UID and/or GID (safely)
   only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs
   of FILE.  ORIG_ST must be the result of `stat'ing FILE.

   The 'safely' part above means that we can't simply use chown(2),
   since FILE might be replaced with some other file between the time
   of the preceding stat/lstat and this chown call.  So here we open
   FILE and do everything else via the resulting file descriptor.
   We first call lstat and verify that the dev/inode match those from
   the preceding stat call, and only then, if appropriate (given the
   required_uid and required_gid constraints) do we call fchown.

   Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a
   special file that might have undesirable side effects when opening.
   In this case the caller can use the less-safe ordinary chown.

   Return one of the RCH_status values. */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
                 struct stat const *orig_st,
                 uid_t uid, gid_t gid,
                 uid_t required_uid, gid_t required_gid)
{
  enum RCH_status status = RC_ok;
  struct stat st;
  int open_flags = O_NONBLOCK | O_NOCTTY;
  int fd;

  if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
    return RC_do_ordinary_chown;

  if (! S_ISREG (orig_st->st_mode))
  {
    if (S_ISDIR (orig_st->st_mode))
      open_flags |= O_DIRECTORY;
    else
      return RC_do_ordinary_chown;
  }

  fd = openat (cwd_fd, file, O_RDONLY | open_flags);
  if (! (0 <= fd
        || (errno == EACCES && S_ISREG (orig_st->st_mode)
            && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags)))))
    return (errno == EACCES ? RC_do_ordinary_chown : RC_error);

  /* openat */
  ...
if (fstat (fd, &st) != 0)
    status = RC_error;
else if (! SAME_INODE (*orig_st, st))
    status = RC_inode_changed;
else if ((required_uid == (uid_t) -1 || required_uid == st.st_uid)
    && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
{
    if (fchown (fd, uid, gid) == 0)
    {
        status = (close (fd) == 0
            ? RC_ok : RC_error);
        return status;
    }
    else
    {
        status = RC_error;
    }
}

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;
}

/* Change the owner and/or group of the file specified by FTS and ENT
   to UID and/or GID as appropriate.
   If REQUIRED_UID is not -1, then skip files with any other user ID.
   If REQUIRED_GID is not -1, then skip files with any other group ID.
   CHOPT specifies additional options.
   Return true if successful. */
static bool
change_file_owner (FTS *fts, FTSENT *ent,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid,
    struct Chown_option const *chopt)
{
    char const *file_full_name = ent->fts_path;
    char const *file = ent->fts_accpath;
    struct stat const *file_stats;
    struct stat stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
if (chopt->recurse)
{
    if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
    {
        /* This happens e.g., with "chown -R --preserve-root 0 /"
            and with "chown -RH --preserve-root 0 symlink-to-root". */
        ROOT_DEV_INO_WARN (file_full_name);
        /* Tell fts not to traverse into this hierarchy. */
        fts_set (fts, ent, FTS_SKIP);
        /* Ensure that we do not process "/" on the second visit. */
        ignore_value (fts_read (fts));
        return false;
    }
    return true;
}
break;

case FTS_DP:
    if (! chopt->recurse)
        return true;
    break;

case FTS_NS:
    /* For a top-level file or directory, this FTS_NS (stat failed)
       indicator is determined at the time of the initial fts_open call.
       With programs like chmod, chown, and chgrp, that modify
       permissions, it is possible that the file in question is
       accessible when control reaches this point. So, if this is
       the first time we've seen the FTS_NS for this file, tell
       fts_read to stat it "again". */
    if (ent->fts_level == 0 && ent->fts_number == 0)
    {
        ent->fts_number = 1;
        fts_set (fts, ent, FTS_AGAIN);
        return true;
    }
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _("cannot access \%s"),
                quote (file_full_name));
    ok = false;
    break;

case FTS_ERR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "\%s", quote (file_full_name));
    ok = false;
    break;
case FTS_DNR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _("cannot read directory \%s"),
               quote (file_full_name));
    ok = false;
    break;

case FTS_DC: /* directory that causes cycles */
    if (cycle_warning_required (fts, ent))
    {
        emit_cycle_warning (file_full_name);
        return false;
    }
    break;

default:
    break;
}

if (!ok)
{
    do_chown = false;
    file_stats = NULL;
}
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
    && chopt->verbosity == V_off
    && ! chopt->root_dev_ino
    && ! chopt->affect_symlink_referent)
{
    do_chown = true;
    file_stats = ent->fts_statp;
}
else
{
    file_stats = ent->fts_statp;

    /* If this is a symlink and we're dereferencing them,
       stat it to get info on the referent. */
    if (chopt->affect symlink_referent && S_ISLNK (file_stats->st_mode))
    {
        if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
        {
            if (! chopt->force_silent)
                error (0, errno, _("cannot dereference \%s"),
                       quote (file_full_name));
            ok = false;
        }
file_stats = &stat_buf;
}

do_chown = (ok
    && (required_uid == (uid_t) -1
        || required_uid == file_stats->st_uid)
    && (required_gid == (gid_t) -1
        || required_gid == file_stats->st_gid));

/* This happens when chown -LR --preserve-root encounters a symlink-to-/. */
if (ok
    && FTSENT_IS_DIRECTORY (ent)
    && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))
{
    ROOT_DEV_INO_WARN (file_full_name);
    return false;
}

if (do_chown)
{
    if ( ! chopt->affect_symlink_referent)
    {
        ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);

        /* Ignore any error due to lack of support; POSIX requires
            this behavior for top-level symbolic links with -h, and
            implies that it's required for all symbolic links. */
        if (!ok && errno == EOPNOTSUPP)
        {
            ok = true;
            symlink_changed = false;
        }
    }
    else
    {
        /* If possible, avoid a race condition with --from=O:G and without the
            (-h) --no-dereference option. If fts's stat call determined
            that the uid/gid of FILE matched the --from=O:G-selected
            owner and group IDs, blindly using chown(2) here could lead
            chown(1) or chgrp(1) mistakenly to dereference a *symlink*
            to an arbitrary file that an attacker had moved into the
            place of FILE during the window between the stat and
            chown(2) calls. If FILE is a regular file or a directory
            that can be opened, this race condition can be avoided safely. */

        enum RCH_status err
            = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
switch (err)
{
  case RC_ok:
    break;

  case RC_do_ordinary_chown:
    ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
    break;

  case RC_error:
    ok = false;
    break;

  case RC_inode_changed:
    /* FIXME: give a diagnostic in this case? */
    case RC_excluded:
      do_chown = false;
      ok = false;
      break;

  default:
    abort ();
    break;
}

/* On some systems (e.g., GNU/Linux 2.4.x),
the chown function resets the 'special' permission bits.
Do *not* restore those bits; doing so would open a window in
which a malicious user, M, could subvert a chown command run
by some other user and operating on files in a directory
where M has write access. */

if (do_chown && !ok && ! chopt->force_silent)
  error (0, errno, (uid != (uid_t) -1
    ? _("changing ownership of %s")
    : _("changing group of %s")),
   quote (file_full_name));

if (chopt->verbosity != V_off)
{
  bool changed =
    ((do_chown && ok && symlink_changed)
    && ! ((uid == (uid_t) -1 || uid == file_stats->st_uid)
      && (gid == (gid_t) -1 || gid == file_stats->st_gid)));

  if (changed || chopt->verbosity == V_high)
enum Change_status ch_status =
(!ok ? CH_FAILED
 : !symlink_changed ? CH_NOT_APPLIED
 : !changed ? CH_NO_CHANGE_REQUESTED
 : CH_SUCCEEDED);
char *old_usr = file_stats ? uid_to_name (file_stats->st_uid) : NULL;
char *old_grp = file_stats ? gid_to_name (file_stats->st_gid) : NULL;
describe_change (file_full_name, ch_status,
    old_usr, old_grp,
    chopt->user_name, chopt->group_name);
free (old_usr);
free (old_grp);
}

if ( ! chopt->recurse)
    fts_set (fts, ent, FTS_SKIP);

return ok;
}

/* Change the owner and/or group of the specified FILES.
   BIT_FLAGS specifies how to treat each symlink-to-directory
   that is encountered during a recursive traversal.
   CHOPT specifies additional options.
   If UID is not -1, then change the owner id of each file to UID.
   If GID is not -1, then change the group id of each file to GID.
   If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
   files with user ID and group ID that match the non-(-1) value(s).
   Return true if successful. */
extern bool
chown_files (char **files, int bit_flags,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid,
    struct Chown_option const *chopt)
{
    bool ok = true;

    /* Use lstat and stat only if they're needed. */
    int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1
        || chopt->affect_symlink_referent
        || chopt->verbosity != V_off)
        ? 0
        : FTS_NOSTAT);

    FTS *fts = xfts_open (files, bit_flags | stat_flags, NULL);
while (1)
{
FTSENT *ent;
ent = fts_read (fts);
if (ent == NULL)
{
if (errno != 0)
{
/* FIXME: try to give a better message */
if (! chopt->force_silent)
error (0, errno, _("fts_read failed"));
ok = false;
}
break;
}
ok &= change_file_owner (fts, ent, uid, gid,
required_uid, required_gid, chopt);
}
if (fts_close (fts) != 0)
{
error (0, errno, _("fts_close failed"));
ok = false;
}
return ok;
}
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Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box."

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From RPM File Metadata:GPLv3+

1.1106 libedit 3.0-12.20121213cvs.el7
1.1106.1 Available under license:

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1.1107 json-java 20180130
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1.1108 go-zglob 0.11
1.1108.1 Available under license:

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Name: perl-Text-Glob
Version: 0.11
Release: 4% {?dist}
Summary: Perl module to match globbing patterns against text
License: GPL+ or Artistic
URL: http://search.cpan.org/dist/Text-Glob/
Source0: http://www.cpan.org/authors/id/R/RC/RCLAMP/Text-Glob-%{version}.tar.gz

BuildArch: noarch
BuildRequires: perl-generators
BuildRequires: %{__perl}
BuildRequires: %{__make}

BuildRequires: perl(ExtUtils::MakeMaker)
BuildRequires: perl(Exporter)
BuildRequires: perl(Test::More)
BuildRequires: perl(constant)
BuildRequires: perl(strict)
BuildRequires: perl(vars)
Requires: perl(MODULE_COMPAT_%{eval """%{__perl} -V:version""""; echo $version})

%description
Text::Glob implements glob(3) style matching that can be used to match against text, rather than fetching names from a file-system. If you want to do full file globbing use the File::Glob module instead.

%prep
%setup -q -n Text-Glob-%{version}

%build
%{__perl} Makefile.PL INSTALLDIRS=vendor NO_PACKLIST=1
%{__make} %{?_smp_mflags}

%install
%{__make} pure_install DESTDIR=$RPM_BUILD_ROOT
chmod -R u+w $RPM_BUILD_ROOT/*

%check
%{__make} test

%files
%doc Changes
%{perl_vendorlib}/Text
%{_mandir}/man3/*

%changelog
* Fri Feb 09 2018 Fedora Release Engineering <releng@fedoraproject.org> - 0.11-4
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_28_Mass_Rebuild

* Thu Jul 27 2017 Fedora Release Engineering <releng@fedoraproject.org> - 0.11-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_27_Mass_Rebuild

* Sun Jun 04 2017 Jitka Plesnikova <jplesnik@redhat.com> - 0.11-2
  - Perl 5.26 rebuild

* Mon Mar 13 2017 Ralf Corspius <corsepiu@fedoraproject.org> - 0.11-1
  - Upstream update.
  - Spec files cosmetics.

* Sat Feb 11 2017 Fedora Release Engineering <releng@fedoraproject.org> - 0.10-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_26_Mass_Rebuild

* Thu Sep 22 2016 Ralf Corspius <corsepiu@fedoraproject.org> - 0.10-1
  - Upstream update.

* Sat May 14 2016 Jitka Plesnikova <jplesnik@redhat.com> - 0.09-16
  - Perl 5.24 rebuild

* Thu Feb 04 2016 Fedora Release Engineering <releng@fedoraproject.org> - 0.09-15
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_24_Mass_Rebuild

* Sat Jan 30 2016 Ralf Corspius <corsepiu@fedoraproject.org> - 0.09-14
  - Modernize spec.

* Thu Jun 18 2015 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.09-13
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_23_Mass_Rebuild

* Wed Jun 03 2015 Jitka Plesnikova <jplesnik@redhat.com> - 0.09-12
  - Perl 5.22 rebuild
* Wed Aug 27 2014 Jitka Plesnikova <jplesnik@redhat.com> - 0.09-11
  - Perl 5.20 rebuild

* Sat Jun 07 2014 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.09-10
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild

* Sun Aug 04 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.09-9
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild

* Wed Jul 17 2013 Petr Pisar <ppisar@redhat.com> - 0.09-8
  - Perl 5.18 rebuild

* Thu Feb 14 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.09-7
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Fri Aug 10 2012 Jitka Plesnikova <jplesnik@redhat.com> - 0.09-6
  - Update BRs and remove %ifdefattr.

* Fri Jul 20 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.09-5
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Fri Jun 08 2012 Petr Pisar <ppisar@redhat.com> - 0.09-4
  - Perl 5.16 rebuild

* Fri Jan 13 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.09-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Fri Jun 17 2011 Marcela Malov <mmaslano@redhat.com> - 0.09-2
  - Perl mass rebuild

* Wed Mar 02 2011 Ralf Corspius <corsepiu@fedoraproject.org> - 0.09-1
  - Upstream update.
  - Spec cleanup.

* Wed Feb 09 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.08-11
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Thu Dec 23 2010 Marcela Maslanova <mmaslano@redhat.com> - 0.08-10
  - 661697 rebuild for fixing problems with vendorach/lib

* Fri May 07 2010 Marcela Maslanova <mmaslano@redhat.com> - 0.08-9
  - Mass rebuild with perl-5.12.0

* Thu Feb 25 2010 Marcela Malov <mmaslano@redhat.com> - 0.08-8
  - add readme

* Fri Dec 4 2009 Stepan Kasal <skasal@redhat.com> - 0.08-7
- rebuild against perl 5.10.1

* Sun Jul 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.08-6
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Thu Feb 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.08-5
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Wed Feb 27 2008 Tom "spot" Callaway <tcallawa@redhat.com> - 0.08-4
  - Rebuild for perl 5.10 (again)

* Fri Jan 11 2008 Tom "spot" Callaway <tcallawa@redhat.com> - 0.08-3
  - rebuild for new perl

* Sat Aug 18 2007 Ralf Corspius <rc040203@freenet.de> - 0.08-2
  - Update license tag.

* Tue May 08 2007 Ralf Corspius <rc040203@freenet.de> - 0.08-1
  - Upstream update.

* Tue Sep 05 2006 Ralf Corspius <rc040203@freenet.de> - 0.07-2
  - Mass rebuild.

* Thu Jul 20 2006 Ralf Corspius <rc040203@freenet.de> - 0.07-1
  - Upstream update.

* Tue Feb 28 2006 Ralf Corspius <rc040203@freenet.de> - 0.06-4
  - Rebuild for perl-5.8.8.

* Wed Aug 10 2005 Ralf Corspius <ralf@links2linux.de> - 0.06-3
  - Spec cleanup.

* Wed Aug 10 2005 Ralf Corspius <ralf@links2linux.de> - 0.06-2
  - FE resubmission.

* Fri Jul 01 2005 Ralf Corspius <ralf@links2linux.de> - 0.06-1
  - FE submission.

---
abstract: 'match globbing patterns against text'
author:
  - 'Richard Clamp <richardc@unixbeard.net>'
build_requires:
ExtUtils::MakeMaker: '0'
Test::More: '0'
configure_requires:
   ExtUtils::MakeMaker: '0'
dynamic_config: 0

generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.143240'
license: perl
meta-spec:
   url: http://module-build.sourceforge.net/META-spec-v1.4.html
   version: '1.4'
name: Text-Glob
no_index:
directory:
   - t
   - inc
requires:
   Exporter: '0'
   constant: '0'
perl: '5.00503'
resources: {}
version: '0.11'

Found in path(s):
  * /opt/cola/permits/1116215057_1608147787.74/0/perl-Text-Glob-0.11-4.fc28.src.rpm-cosi-expand-archive-
    JiYd5YF2/Text-Glob-0.11.tar.gz-cosi-expand-archive-ShAQwDVn/Text-Glob-0.11/META.yml
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=head1 NAME

Text::Glob - match globbing patterns against text

=head1 SYNOPSIS

use Text::Glob qw( match_glob glob_to_regex );

print "matched\n" if match_glob( "foo.*", "foo.bar" );

# prints foo.bar and foo.baz
my $regex = glob_to_regex( "foo.*" );
for ( qw( foo.bar foo.baz foo bar ) ) { 
   print "matched: \$_.\n" if /$regex/;
}

=head1 DESCRIPTION

Text::Glob implements glob(3) style matching that can be used to match
against text, rather than fetching names from a filesystem. If you
want to do full file globbing use the File::Glob module instead.
Routines

match_glob( $glob, @things_to_test )

Returns the list of things which match the glob from the source list.

glob_to_regex( $glob )

Returns a compiled regex which is the equivalent of the globbing pattern.

glob_to_regex_string( $glob )

Returns a regex string which is the equivalent of the globbing pattern.

SYNTAX

The following metacharacters and rules are respected.

C<*>* - match zero or more characters

C<a*> matches C<a>, C<aa>, C<aaa> and many many more.

C<*?> - match exactly one character

C<a?> matches C<aa>, but not C<a>, or C<aaa>

Character sets/ranges

C<example.[ch]> matches C<example.c> and C<example.h>

C<demo.[a-c]> matches C<demo.a>, C<demo.b>, and C<demo.c>

Alternation

C<example.{foo,bar,baz}> matches C<example.foo>, C<example.bar>, and C<example.baz>

Leading . must be explicitly matched
C<*.foo> does not match C<.bar.foo>. For this you must either specify the leading . in the glob pattern (C<*.foo>), or set C<$Text::Glob::strict_leading_dot> to a false value while compiling the regex.

=item C<*> and C<?> do not match the seperator (i.e. do not match C</>)

C<*.foo> does not match C<bar/baz.foo>. For this you must either explicitly match the / in the glob (C<*/.foo>), or set C<$Text::Glob::strict_wildcard_slash> to a false value while compiling the regex, or change the seperator that Text::Glob uses by setting C<$Text::Glob::seperator> to an alternative value while compiling the regex.

=back

=head1 BUGS

The code uses qr// to produce compiled regexes, therefore this module requires perl version 5.005_03 or newer.

=head1 AUTHOR

Richard Clamp <richardc@unixbeard.net>

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=head1 SEE ALSO

L<File::Glob>, glob(3)

cut

Found in path(s):
* /opt/cola/permits/1116215057_1608147787.74/0/perl-Text-Glob-0.11-4.fc28.src.rpm-cosi-expand-archive-JiYd5YF2/Text-Glob-0.11.tar.gz-cosi-expand-archive-ShAQwDVn/Text-Glob-0.11/lib/Text/Glob.pm

1.1109 asm-analysis 7.2
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 * Constructs a new { @link SourceInterpreter} for the latest ASM API version. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the { @link #SourceInterpreter(int)}
 * version.
 */

Found in path(s):
* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
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* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/Value.java
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/**
 * Constructs a new {@link BasicInterpreter} for the latest ASM API version. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the {
 * @link BasicInterpreter(int)}
 * version.
 */

Found in path(s):
* /opt/cola/permits/1111422935_1606915481.44/0/asm-analysis-7-2-sources-2-
  jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java

1.1110 opensaml-xmlsec-api 3.3.0

1.1111 selinux-policy 3.13.1-252.el7_7.6

1.1111.1 Available under license:

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
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org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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""
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1.1115 yum-utils 1.1.31-52.el7

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.'' - Chaucer

Chet Ramey, Case Western Reserve UniversityInternet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

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1.1130 alsa-lib 1.1.8 1.el7

1.1130.1 Available under license:

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Version 2.1, February 1999

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<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
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1.1166 opensaml-profile-impl 3.3.0

1.1167 shadow 4.6-5.el7
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* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/InfrastructureProxy.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/util/xml/SimpleTransformErrorListener.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/task/TaskTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/task/SyncTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/SmartClassLoader.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/task/support/ConcurrentExecutorAdapter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/serializer/support/SerializationFailedException.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/style/DefaultValueStyler.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/style/StylerUtils.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/task/TaskRejectedException.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/type/classreading/MetadataReaderFactory.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/io/ClassRelativeResourceLoader.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/convert/support/NumberToCharacterConverter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/util/xml/SimpleSaxErrorHandler.java

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* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ModuleWriter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Symbol.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Handle.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/FieldWriter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/FieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Label.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Type.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ModuleVisitor.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/SymbolTable.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/CurrentFrame.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ClassReader.java
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* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ConstantDynamic.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/MethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ClassVisitor.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Handler.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/ClassTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/asm/Constants.java
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jar/org/springframework/core/convert/support/ArrayToStringConverter.java

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jar/org/springframework/core/convert/support/ArrayToStringConverter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
jar/org/springframework/core/convert/conditional/ConditionalConverter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
  * /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/core/convert/support/StringToObjectConverter.java
  * /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/core/convert/support/ArrayToObjectConverter.java

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  jar/org/springframework/util/IdGenerator.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/type/StandardMethodMetadata.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/env/SystemEnvironmentPropertySource.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/type/AnnotatedTypeMetadata.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/util/SimpleIdGenerator.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/convert/support/StringToCurrencyConverter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/convert/support/StringToCharsetConverter.java
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  jar/org/springframework/core/annotation/AnnotationConfigurationException.java
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  jar/org/springframework/core/Ordered.java
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  jar/org/springframework/util/AlternativeJdkIdGenerator.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/serializer/support/DeserializingConverter.java
* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-
  jar/org/springframework/core/type/MethodMetadata.java
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* /opt/ws_local/PERMITS_SQL/1069262461_1594595111.79/0/spring-core-5-1-9-release-sources-jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
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1.1172 boost 1.53.0-27.el7

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[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL’s requirements for an [Integral Constant type]: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type` inherits from `boost::mpl::true_`, `__false_type` inherits from `boost::mpl::false_`, and `__integral_constant<T, v>` inherits from `boost::mpl::integral_c<T,v>` (provided ‘T’ is not `bool`)

[endsect]

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```
#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)
#pragma once
#endif

#include <cstddef>
namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template<bool C_>
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_; 
};

#endif
```

---

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typedef bool_<true> true_;
typedef bool_<false> false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
class false_t { char dummy[2]; }; static true_t dispatch(U);
static false_t dispatch(...);
static T trigger();
public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C , typename T1 , typename T2 >
struct if_c
{
    typedef T1 type;
};
template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_<
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;   }
    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;   }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};
template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};
}  // namespace ipcdetail {
}  // namespace interprocess {
}  // namespace boost {

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<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd"
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
<copyright>
    <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
</copyright>
<copyright>
    <year>2018</year> <holder>Joe Blow, John Coe</holder>
</copyright>
<copyright>
    <year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
</article>
[/
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//////////////////////////////////////////////////////////////////////////////
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//
//////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#pragma once

#include <cstddef>

namespace boost {
namespace container {
namespace container_detail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
    operator bool() const { return bool_::value; }
};

typeof bool_<true> true_;
typeof bool_<false> false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c
{
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {};

typedef true_t true_t;
class false_t { char dummy[2]; };
static true_t dispatch(U);
static false_t dispatch(...);
static T trigger();
public:
enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };
// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<typename S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

template<typename T> struct unvoid { typedef T type; }
template <> struct unvoid<void> { struct type { }; }
template <> struct unvoid<const void> { struct type { }; };

} //namespace container_detail
} //namespace container
} //namespace boost

#endif  //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../../../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.77.1">
</head>
<body>

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<typename S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

template<typename T> struct unvoid { typedef T type; }
template <> struct unvoid<void> { struct type { }; }
template <> struct unvoid<const void> { struct type { }; };

} //namespace container_detail
} //namespace container
} //namespace boost

#endif  //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../../../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.77.1">
</head>
<body>
All the value based traits in this library conform to MPL’s requirements for an Integral Constant type: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that <code class="computeroutput">true_type</code> inherits from <code class="computeroutput">boost</code>, <code class="computeroutput">false_type</code> inherits from <code class="computeroutput">mpl</code>, and <code class="computeroutput">integral_constant</code> inherits from <code class="computeroutput">integral_c</code> (provided <code class="computeroutput">T</code> is not <code class="computeroutput">v</code>).
class="computeroutput"><span class="keyword">bool</span></code>)

</p>
</div>
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr><td align="left"></td><td align="right"><div class="copyright-footer">Copyright © 2000, 2011 Adobe Systems Inc, David Abrahams, Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant, Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven Watanabe<p> Distributed under the Boost Software License, Version 1.0. (See accompanying file LICENSE_1_0.txt or copy at <a href="http://www.boost.org/LICENSE_1_0.txt" target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
</p></div></td></tr></table>

<hr>

[/*============================================================================
Boost.Geometry (aka GGL, Generic Geometry Library)

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============================================================================*/]

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-->

<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
</section>
The following is the overall license for the boost date_time library. This notice is found in all source files related to the library.

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Index: boost/mpl/print.hpp
===================================================================
--- boost/mpl/print.hpp	(revision 83411)
+++ boost/mpl/print.hpp	(working copy)
@@ -45,22 +45,21 @@
     : mpl::identity<T>
 #if defined(__MWERKS__) 
     , aux::print_base
+#endif 
+#endif 
 { 
 #if defined(BOOST_Msvc) 
     enum { n = sizeof(T) + -1 }; 
 #elif defined(__MWERKS__) 
     void f(int);
-#else 
-    enum {
-        n =
-# if defined(__EDG_VERSION__) 

- aux::dependent_unsigned<T>::value > -1
- #else
- sizeof(T) > -1
- #endif
- }
- 
- #elif defined(__EDG_VERSION__)
- enum { n = aux::dependent_unsigned<T>::value > -1 }
- #elif defined(BOOST_GCC)
- enum { n1 }
- enum { n2 }
- enum { n = n1 != n2 }
- #else
- enum { n = sizeof(T) > -1 }
- #endif
- }

#if defined(BOOST_MSVC)

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//@ http://www.boost.org/LICENSE_1_0.txt)
//@
//@
//@

#endif BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#include <boost/intrusive/detail/config_begin.hpp>
#include <cstddef>
namespace boost {
namespace intrusive {
namespace detail {
typedef char one;
struct two { one _[2]; }; 

template< bool C_ >
struct bool_
{
    static const bool value = C_;
};

namespace boost {
namespace intrusive {
namespace detail {

typedef char one;
struct two { one _[2]; }; 

template< bool C_ >
struct bool_
{
    static const bool value = C_;
};


typedef bool_<true>        true_;
typedef bool_<false>       false_;
typedef true_  true_type;
typedef false_ false_type;
typedef char yes_type;
struct no_type
{
    char padding[8];
};
template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {};
template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};
template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};
template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static const T &trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};
template<
    bool C
 , typename T1
 , typename T2
>
struct if_c
typedef T1 type;
};

template<
    typename T1
, typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename C
, typename T1
, typename T2
>
struct if_
{
    typedef typename if_c<0 != C::value, T1, T2>::type type;
};

template<
    bool C
, typename F1
, typename F2
>
struct eval_if_c
    : if_c<C,F1,F2>::type
{};

template<
    typename C
, typename T1
, typename T2
>
struct eval_if
    : if_<C,T1,T2>::type
{};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};
#if defined(BOOST_MSVC) || defined(__BORLANDC__)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TTDECL
#endif

#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) && !defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{
    static const bool value = false;
};

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)()>
{
    static const bool value = true;
};

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>
{
    static const bool value = true;
};
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)()>
{
    static const bool value = true;
};
#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)()>
{
    static const bool value = true;
};
#endif
#endif // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

# ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)()>
{
    static const bool value = true;
};
#endif

//endif

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(...)>
{
    static const bool value = true;
};

}
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{  static const bool value = true;  };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{  static const bool value = true;  };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{  static const bool value = true;  };

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{  static const bool value = true;  };
#endif

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{  static const bool value = true;  };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{  static const bool value = true;  };

#endif
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>  
{  static const bool value = true;  };

#elif BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>  
{  static const bool value = true;  };
#endif // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>  
{  static const bool value = true;  };
#endif


template <typename T>
struct is_unary_or_binary_function_impl<T&>  
{  static const bool value = false;  };

template <typename T>
struct is_unary_or_binary_function
{  static const bool value = is_unary_or_binary_function_impl<T>::value;  };

// boost::alignment_of yields to 10K lines of preprocessed code, so we
// need an alternative
template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{  
  char c;
  T t;
  alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{  static const std::size_t value = A < S ? A : S;
};

template< typename T >
struct alignment_of
{
  static const std::size_t value = alignment_logic
      < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
      >::value;
};

template <typename T, typename U>
struct is_same
{
  typedef char yes_type;
  struct no_type
  {
    char padding[8];
  };

  template <typename V>
  static yes_type is_same_tester(V*, V*);
  static no_type is_same_tester(...);

  static T *t;
  static U *u;

  static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};

template<typename T>
struct add_const
{  typedef const T type;  };

template< typename T >
struct remove_const
{  typedef  T type;  };

template<typename T>
struct remove_const<const T>
{  typedef T type;  };

template<typename T>
struct remove_cv
{  typedef T type;  };

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template<typename T>
struct remove_cv<const T>
{  typedef T type;   };

template<typename T>
struct remove_cv<const volatile T>
{  typedef T type;   };

template<typename T>
struct remove_cv<volatile T>
{  typedef T type;   };

template<class T>
struct remove_reference
{
    typedef T type;
};

template<class T>
struct remove_reference<T&>
{
    typedef T type;
};

template<class Class>
class is_empty_class
{
    template<typename T>
    struct empty_helper_t1 : public T
    {
        empty_helper_t1();
        int i[256];
    };

    struct empty_helper_t2
    {  int i[256];  };

    public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
struct is_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + is_zeros<(S>>1u)>::value);
};
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

#if defined(BOOST_INTRUSIVE_DETAIL_MPL_HPP)

[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]

Maybe this should pass?
[article Copyright Test
[quickbook 1.5]
[copyright 1977,1985 Someone else]
]

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Mathias Koch (mkoch - at - idesis.de 7 : email to boost-owner@lists.boost.org Sep 2007 13:20:09 +0200)

--- end ---
/*
 *
* Copyright (c) 2003 Dr John Maddock
* Use, modification and distribution is subject to the
* Boost Software License, Version 1.0. (See accompanying file
* LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
* */
### Include Statements

```cpp
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>
```

---

```cpp
//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f) {}
    private:
        split_path& operator=(const split_path&);
};
```

```cpp
std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href="/" (p.root / p.file).string() << "/"" " p.file.string() << "</a>";
    return os;
}
```

```cpp
std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}
```

```cpp
void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();
}
std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

std::ofstream os(m_dest_path.string().c_str());
if(!os)
{
    std::string msg("Error opening ");
    msg += m_dest_path.string();
    msg += " for output.");
    std::runtime_error e(msg);
    boost::throw_exception(e);
}
os <<
"<!DOCTYPE HTML PUBLIC ">-//W3C//DTD HTML 4.0 Transitional//EN"">\n"
"<html>
"<head>
"<title>Boost Licence Dependency Information</title>
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
"</head>
"<body>
"<H1>Boost Licence Dependency Information</H1>
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
"</H1>
"<H2>Contents</H2>
"<pre><a href="#input">Input Information</a>
if(!m_bsl_summary_mode)
os << "<a href="#summary">Licence Summary</a>
os << "<a href="#details">Licence Details</a>
while(i != j)
{
    // title:
os << " <A href=""#"" << make_link_target(licenses.first[i->first].license_name)
    "">" << licenses.first[i->first].license_name << "</a>
    ++i;
}
os << "<a href="#files">Files with no recognised license</a>\n"
"<a href="#authors">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
    "Moving to the Boost Software License...\n"
    " <a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>\n"
    " <a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>\n"
    " <a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a>\n"
    " <a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a>\n"
    "<a href="#copyright">Copyright Holder Information</a>\n";
}
os <<
"<a href="#depend">File Dependency Information</a>\n"
"</pre>";

//
// input Information:
//
os << "<a name="input"></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies: </P>";
else
    os << "<P>The following Boost modules were checked: </P>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code>\n";

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("^\[[:blank:]*#\[[:blank:]*define\[[:blank:]*BOOST_VERSION\[[:blank:]*\d+]]\[[:blank:]*\d+\]*)");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "<\p>\n";
}
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
os << "<a name="summary"></a><h2>Licence Summary</h2>
    while(i != j)
    {
        // title:
os <<
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#" make_link_target(licenses.first[i->first].license_name) ">(see details)</a>";
os << "</P><BLOCKQUOTE>\n";
    ++i;
}
}
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details"></a><h2>Licence Details</h2>
while(i != j)
{
    // title:
os <<
        "<H3>A name="" << make_link_target(licenses.first[i->first].license_name) << "">
    // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if(!m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:
std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "<BR>
";
    ++x;
}
 os << "</P></BLOCKQUOTE>
";
// Files using this license:
 os << "<P>This license applies to the following " << i->second.files.size() << " files:
<BR>
";
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>
";
    ++m;
}
 os << "</P></BLOCKQUOTE>
";
} else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>
";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>
";
}
++license_index;
++i;

// Output list of files not found to be under license control:
//
 os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2>
";
 os << "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>
";
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
";
    ++i2;
}
 os << "</P></BLOCKQUOTE>";
// Output list of files with no found copyright holder:
//
 os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2>
";
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:" << std::endl;
</BLOCKQUOTE><P>

i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "\n";
  ++i2;
}

os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
  //
  // Output list of files that have been moved over to the Boost
  // Software License, along with enough information for human
  // verification.
  //
  os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2><\n"
      << "The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:" << std::endl;
  if (!m_converted_to_bsl.empty())
  {
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
      ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
    {
      os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
      << "\n</tt><br><tt>\n</tt><table border="1"\n</tr><\n</td><\pre>" << i->second.first << "</pre></td><\n</td><\pre>" << i->second.second << "</pre></td><\n</td><\table>\n";
    ++i;
    ++file_num;
  }
}

//
// Output list of files that could be moved over to the Boost Software License
//
os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2><\n"
     << "The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:" << std::endl;
  i2 = m_can_migrate_to_bsl.begin();
  j2 = m_can_migrate_to_bsl.end();
  while(i2 != j2)
  {

// Output list of files that can not be moved over to the Boost Software License
//
os << "\<h2\><a name="not-to-bsl">\</a>Files that can NOT be converted to the Boost Software License</h2>\n";

"\<p\>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:\n\\<BLOCKQUOTE\\><\p\\>\n";

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
}

os << "\\</p\\></BLOCKQUOTE\\>";

// Output list of authors that we need permission for to move to the BSL
//
os << "\<h2\><a name="need-bsl-authors">\</a>Authors we need for the BSL</h2>\n"

"\<p\>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in \<code\>more/blanket-permission.txt</code\>:\n\\<BLOCKQUOTE\\><\p\\>\n";

std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
           std::ostream_iterator<std::string>(os, "\n"));

os << "\\</p\\></BLOCKQUOTE\\>";

// output a table of copyright information:
//
os << "\<H2\><a name="copyright">\</a>Copyright Holder Information</H2>\n\<table border="1"\>\n";

std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "\<tr\\><td\\>" << ad->first << "\</td\\><td\\>";
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " \\
        ++fi;
    }
    os << "\</td\\><\tr\\>\n";
Open Source Used In APIC-SE-BATMAN v2.0.1

// output file dependency information:
//
// os << "<H2><a name="depend"></a>File Dependency Information</H2><BLOCKQUOTE><pre>
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
    ::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
ie = m_converted_to_bsl.end();
while(i != ie)
{
    bad_paths.insert(i->first);
    ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
    {
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            ++dep;
        }
    }
}
else
    os << dep->second.string();
if(seen_deps.find(dep->second) != seen_deps.end())
    {
        os << " <I>(Circular dependency!)</I>";
        break; // circular dependency!!!
    }
seen_deps.insert(dep->second);
last_dep = dep;
dep = m_dependencies.find(dep->second);
if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
    break;
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ":.
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.
Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdcl@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Jansen (jansen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlef (detlef@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

1.1173 libsemanage 2.5-14.el7.0atomix1

1.1173.1 Available under license:

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

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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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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.

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

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The licenses for most software are designed to take away your freedom to share and change it.  By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it.  You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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

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The modified work must itself be a software 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.)
@end enumerate

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If distribution of object code is made by offering access to copy
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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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A program that contains no derivative of any portion of the
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Section 6 states terms for distribution of such executables.

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

As an exception to the Sections above, you may also combine or
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of these things:

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

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@end enumerate

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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/ScanResultObject.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/ClassGraphClassLoader.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/utils/StringUtils.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/TypeArgument.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandlerRegistry.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/json/JSONReference.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classpath/ClasspathFinder.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/GraphvizDotfileGenerator.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classloaderhandler/UnoOneJarClassLoaderHandler.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classpath/ClassLoaderOrder.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/ReferenceTypeSignature.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/json/JSONArray.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxContextFinderClassLoaderHandler.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/MappableInfoList.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/scanspec/ScanSpec.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/Resource.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/io/github/classgraph/ClassRefOrTypeVariableSignature.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/json/Id.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/ArrayClassInfo.java
* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classpath/CallStackReader.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/classloaderhandler/WeblogicClassLoaderHandler.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/ModuleReaderProxy.java
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* /opt/cola/permits/1115444455_1607659024.87/0/classgraph-4-8-84-sources-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessArrayReader.java
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

```
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----------------------------------------
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L. Peter Deutsch
ghost@aladdin.com

*/

----------------------------------------
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lib/ocaml/OCamlMakefile and lib/ocaml/README-OCamlMakefile components:
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protected String noConfidentialPortAvailable$Str() {
    return "UT010053: No confidential port is available to redirect the current request."
; public final IllegalStateException noConfidentialPortAvailable() {
    final IllegalStateException result = new IllegalStateException(String.format(getLoggingLocale(),
        noConfidentialPortAvailable$Str()));
    return result;
}

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Found in path(s):
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/spec/HttpServletResponseImpl.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/InstanceHandle.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/CrawlerSessionManagerConfig.java
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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/ConfidentialPortManager.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/ErrorPage.java
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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/AuthMethodConfig.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/DeploymentInfo.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/api/MimeMapping.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/spec/ServletPrintWriterDelegate.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources.jar/io/undertow/servlet/handlers/security/CachedAuthenticatedSessionHandler.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/compat/rewrite/RewriteCond.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/ServletInfo.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/core/MetricsChainHandler.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/attribute/ServletRequestCharacterEncodingAttribute.java
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/ThreadSetupAction.java
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* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2-0-26-final-sources-jar/io/undertow/servlet/api/ExceptionHandler.java
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*/
/**
 * Servlet specific extension to {@link SinglePortConfidentialityHandler}
 *
 * @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
 */
/**
 * Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
 *
 * Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual
 * SSLSession.
 *
 * @param exchange - The {@link HttpServerExchange} for the request being processed.
 * @return true if the request is 'sufficiently' confidential, false otherwise.
 */

Found in path(s):
* /opt/cola/permits/1102171937_1603488119.26/0/undertow-servlet-2.0.26-final-sources-
jar/io/undertow/servlet/handlers/security/ServletConfidentialityConstraintHandler.java

1.1181 nss 3.36.0-1.1.el7_6

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* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/util/HotSwapper.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/compiler/ast/Visitor.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/tools/reflect/Compiler.java
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jar/javassist/ExprExpr.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/LoaderClassPath.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/InstructionPrinter.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/compiler/AccessorMaker.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/LocalVariableAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/compiler/NoFieldException.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/compiler/ast/Member.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/util/proxy/SecurityActions.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/analysis/FramePrinter.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/ClassFilePrinter.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/util/proxy/Proxy.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/util/HotSwapAgent.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/NestHostAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/LineNumberAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/AnnotationsAttribute.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/ClassPoolTail.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/ClassFile.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/compiler/ast/Keyword.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/stackmap/BasicBlock.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/util/proxy/ProxyFactory.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/Modifier.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/tools/reflect/Reflection.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/stackmap/TypeTag.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources.jar/javassist/bytecode/stackmap/TypeTag.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-
jar/javassist/compiler/ProceedHandler.java

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* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/MemberValue.java
* /opt/ws_local/PERMITS_SQL/1068276696_1594339637.94/0/javassist-3-26-0-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java
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1.1192 nc 1.84-24.el6

1.1193 icu 50.2 4.el7_7
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```bash
## -*-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
SHAREDLIBCPPFLAGS = -DPIC

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

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

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

## Shared object suffix
```
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
$.($STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_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) $< \n| sed 's/($*)\.o[ :]*/\1.o $@ : /g' > $@; \n[ -s $@ ] || rm -f $@
"
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
$(SHELL) -ec "$(GEN_DEPS.cc) $< \n| sed 's/($*)\.o[ :]*/\1.o $@ : /g' > $@; \n[ -s $@ ] || rm -f $@
"

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

## End FreeBSD-specific setup

1.1194 jts 1.15.0
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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm
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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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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
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lib/gssapi/mechglue/g_init_sec_context.c
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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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11:06:10 -0500 (EST)
Received: from zmta04.collab.prod.int.phx2.redhat.com (localhost [127.0.0.1])
by zmta04.collab.prod.int.phx2.redhat.com (Postfix) with ESMTP id 9A08BDA0C9
for <mmaslano@redhat.com>; Mon, 18 Nov 2013 11:06:10 -0500 (EST)
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id D3030FA; Mon, 18 Nov 2013 08:06:08 -0800 (PST)
Precedence: normal
Subject: [rt.cpan.org #90483] missing license file
From: "Alexandr Ciornii via RT" <bug-Text-ParseWords@rt.cpan.org>
Reply-To: bug-Text-ParseWords@rt.cpan.org
In-Reply-To: <rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>
References: <RT-Ticket-90483@rt.cpan.org>
<Message-ID: <rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>
X-RT-Loop-Prevention: rt.cpan.org
RT-Ticket: rt.cpan.org #90483
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RT-Originator: CHORNY@cpan.org
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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
On Mon Nov 18 10:37:28 2013, mmaslano@redhat.com wrote:
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text in .pm file would be enough.

Will do in next version.

> I found Perl license in Makefile.PL,
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yes

--
Alexandr Ciornii, http://chorny.net

1.1208 spring-boot-actuator 2.2.6.RELEASE
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* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/metrics/web/servlet/WebMvcMetricsFilter.java
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* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/context/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/audit/listener/AbstractAuditListener.java
jar/org/springframework/boot/actuate/health/DefaultHealthContributorRegistry.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/endpoint/jmx/MBeanInfoFactory.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/info/BuildInfoContributor.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/mongo/MongoReactiveHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/endpoint/web/PathMappedEndpoints.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/metrics/cache/CaffeineCacheMeterBinderProvider.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/endpoint/web/annotation/WebEndpoint.java
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* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/endpoint/web/annocation/InvalidEndpointRequestException.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/metrics/cache/CaffeineCacheMeterBinderProvider.java
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* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-jar/org/springframework/boot/actuate/endpoint/web/annocation/InvalidEndpointRequestException.java

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jar/org/springframework/boot/actuate/neo4j/package-info.java
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jar/org/springframework/boot/actuate/metrics/amqp/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/metrics/web/servlet/WebMvcTagsProvider.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/endpoint/jmx/JmxEndpointsSupplier.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/metrics/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/integration/IntegrationGraphEndpoint.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/health/HealthEndpointGroups.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/endpoint/annotation/Selector.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/endpoint/annotation/Endpoint.java
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jar/org/springframework/boot/actuate/endpoint/web/annotation/ServletEndpointDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/servlet/SkipPathExtensionContentNegotiation.java
* /opt/ws_local/PERMITS_SQL/1068412629_1594388628.13/0/spring-boot-actuator-2-2-6-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/OperationType.java
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jar/org/springframework/boot/actuate/endpoint/web/EndpointLinksResolver.java

1.1209 pcre 8.39 12
PCRE LICENCE

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End

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THE BASIC LIBRARY FUNCTIONS

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

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

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PCRE JUST-IN-TIME COMPILATION SUPPORT

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

Written by: Zoltan Herczeg
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1.1210 perl-http-tiny 0.033-3.el7

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1.1220 prometheus 6.3.6

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/*!
 * Determine if an object is a Buffer
 *
 * @author   Feross Aboukhadijeh <https://feross.org>
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```
title = "License Expiration"
description = ""
keywords = ["grafana", "licensing"]
type = "docs"

# License expiration

If your license has expired most of Grafana keeps working as normal. Some enterprise functionality stops or runs
with reduced functionality and Grafana displays a banner informing the users that Grafana is running on an expired
license. Your Grafana admin needs to upload a new license file to restore full functionality.

> Replace your license as soon as possible. Running Grafana Enterprise with an expired license is unsupported and
can lead to unexpected consequences.

## Update your license

1. Locate your current `license.jwt` file. In a standard installation it is stored inside Grafana's data directory, which
on a typical Linux installation is in `/var/lib/grafana/data`. This location might be overridden in the ini file
[Configuration](https://grafana.com/docs/grafana/latest/installation/configuration/)

```
[enterprise]
license_path = /path/to/your/license.jwt
```
The configuration file's location may also be overridden by the `GF_ENTERPRISE_LICENSE_PATH` environment variable.

2. Log in to your Grafana.com user and make sure you're in the correct organization in the dropdown at the top of the page.

3. Under the **Grafana Enterprise** section in the menu bar to the left, choose licenses and download the currently valid license with which you want to run Grafana. If you cannot see a valid license on Grafana.com, please contact your account manager at Grafana Labs to renew your subscription.

4. Replace the current `license.jwt`-file with the one you've just downloaded.

5. Restart Grafana.

## Data source permissions

Your current data source permissions will keep working as expected, but you'll be unable to add new data source permissions until the license has been renewed.

## LDAP authentication

* LDAP synchronization is not affected by an expired license.
* Enhanced LDAP debugging is unavailable.

## SAML authentication

SAML authentication is not affected by an expired license.

## Reporting

* You're unable to configure new reports or generate previews.
* Scheduled reports are not generated or sent.

## Enterprise plugins

Enterprise plugins might stop working.

## White labeling

The white labeling feature is turned off, meaning that any white labeling options will not have any effect.

```javascript
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```

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## go-diff - https://github.com/sergi/go-diff

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## golcs - https://github.com/yudai/golcs

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## cli.go - https://github.com/codegangsta/cli

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# gomega - https://github.com/onsi/gomega

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1.1223 willf-bloom 2.0.3+incompatible
1.1223.1 Available under license:

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1.1224 gonum-matrix 0.1

1.1224.1 Available under license:

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

---

native/dgemm.go | 2 +-  
native/general_single.go | 2 +-  
native/inteernal/math32/math.go | 113 +++++++++++++++++++  
native/inteernal/math32/math_test.go | 226 ++++++++++++++++++++++++++++++++++++++++  
native/inteernal/math32/sqrt.go | 25 ++++
native/inteernal/math32/sqrt_amd64.go | 20 +++
native/inteernal/math32/sqrt_amd64.s | 20 +++
native/internal/math32/math.go | 113 ---------------
native/internal/math32/math_test.go | 226 ------------------------
native/internal/math32/sqrt.go | 25 ----
native/internal/math32/sqrt_amd64.go | 20 ---
native/internal/math32/sqrt_amd64.s | 20 ---
native/level1double.go | 2 +-
native/level1double_ddot.go | 2 +-
native/level1single.go | 4 +-native/level1single_dsdot.go | 2 +-native/level1single_sdot.go | 2 +-native/level1single_sdsdot.go | 2 +-native/level2double.go | 2 +-native/level2single.go | 2 +-native/level3double.go | 2 +-native/level3single.go | 2 +-native/sgemm.go | 2 +-
23 files changed, 418 insertions(+), 418 deletions(-)
create mode 100644 native/inteernal/math32/math.go
create mode 100644 native/inteernal/math32/math_test.go
create mode 100644 native/inteernal/math32/sqrt.go
create mode 100644 native/inteernal/math32/sqrt_amd64.go
create mode 100644 native/inteernal/math32/sqrt_amd64.s
delete mode 100644 native/internal/math32/math.go
delete mode 100644 native/internal/math32/sqrt.go
delete mode 100644 native/internal/math32/sqrt_amd64.go
delete mode 100644 native/internal/math32/sqrt_amd64.s
diff --git a/native/dgemm.go b/native/dgemm.go
index 850f62c..8dc9920 100644
--- a/native/dgemm.go
+++ b/native/dgemm.go
@@ -10,7 +10,7 @@ import (  
    "github.com/gonum/blas"
    -"github.com/gonum/internal/asm"
    +"github.com/gonum/inteernal/asm"
 )

 // Dgemm computes
diff --git a/native/general_single.go b/native/general_single.go
index bf648e5..8406d77 100644
--- a/native/general_single.go
+++ b/native/general_single.go
@@ -9,7 +9,7 @@ package native
import {
  "errors"
  "fmt"
  -math "github.com/gonum/blas/native/internal/math32"
  +math "github.com/gonum/blas/native/inteernal/math32"
}

func newGeneral32(r, c int) general32 {
  
  // Copyright 2009 The Go Authors. All rights reserved.
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  // license that can be found in the LICENSE file.
  
  // Copyright 2015 The gonum Authors. All rights reserved.
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  // license that can be found in the LICENSE file.
  
  // Package math32 provides float32 versions of standard library math package
  // routines used by gonum/blas/native.
  
  _import (  
    "math"
  )

  const (  
    _unan    = 0x7fc00000  
    _uinfinf = 0x7f800000  
    _uneginf = 0xff800000  
    _mask    = 0x7f8 >> 3  
    _shift   = 32 - 8 - 1  
    _bias    = 127  
  )

  // Abs returns the absolute value of x.
  
  Special cases are:
  // Abs(Inf) = +Inf
  // Abs(NaN) = NaN
  
  switch (  
    case x < 0:  
      return -x
+case x == 0:
+return 0 // return correctly abs(-0)
+
+return x
+
+}
+
+// Copysign returns a value with the magnitude
+// of x and the sign of y.
+func Copysign(x, y float32) float32 {
+const sign = 1 << 31
+return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
+
+}
+
+// Hypot returns Sqrt(p*p + q*q), taking care to avoid
+// unnecessary overflow and underflow.
+//
+// Special cases are:
+// Hypot(Inf, q) = +Inf
+// Hypot(p, Inf) = +Inf
+// Hypot(NaN, q) = NaN
+// Hypot(p, NaN) = NaN
+func Hypot(p, q float32) float32 {
+// special cases
+switch {
+case IsInf(p, 0) || IsInf(q, 0):
+return Inf(1)
+case IsNaN(p) || IsNaN(q):
+return NaN()
+
+if p < 0 {
+p = -p
+
+if q < 0 {
+q = -q
+
+if p < q {
+p, q = q, p
+
+if p == 0 {
+return 0
+
+q = q / p
+
+return p * Sqrt(1+q*q)
+
+// Inf returns positive infinity if sign >= 0, negative infinity if sign < 0.
+func Inf(sign int) float32 {
+var v uint32

```go
if sign >= 0 {
    v = uinf
} else {
    v = uneginf
}
return math.Float32frombits(v)
}

// IsInf reports whether f is an infinity, according to sign.
// If sign > 0, IsInf reports whether f is positive infinity.
// If sign < 0, IsInf reports whether f is negative infinity.
// If sign == 0, IsInf reports whether f is either infinity.
func IsInf(f float32, sign int) bool {
    // Test for infinity by comparing against maximum float.
    // To avoid the floating-point hardware, could use:
    // x := math.Float32bits(f);
    // return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
    // return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
    return sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
}

// IsNaN reports whether f is an IEEE 754 `not-a-number` value.
func IsNaN(f float32) (is bool) {
    // IEEE 754 says that only NaNs satisfy f != f.
    // To avoid the floating-point hardware, could use:
    // x := math.Float32bits(f);
    // return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
    return f != f
}

// NaN returns an IEEE 754 `not-a-number` value.
func NaN() float32 { return math.Float32frombits(unan) }
```
```go
+github.com/gonum/floats
+
+const tol = 1e-7
+
+func TestAbs(t *testing.T) {
+    f := func(x float32) bool {
+        y := Abs(x)
+        return y == float32(math.Abs(float64(x)))
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+
+func TestCopySign(t *testing.T) {
+    f := func(x struct{ X, Y float32 }) bool {
+        y := Copysign(x.X, x.Y)
+        return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+
+func TestHypot(t *testing.T) {
+    f := func(x struct{ X, Y float32 }) bool {
+        y := Hypot(x.X, x.Y)
+        if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
+            return true
+        }
+        return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
+    }
+    if err := quick.Check(f, nil); err != nil {
+        t.Error(err)
+    }
+}
+
+func TestInf(t *testing.T) {
+    if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
+        t.Error("float32(inf) not infinite")
+    }
+}
+
+func TestIsInf(t *testing.T) {
+    posInf := float32(math.Inf(1))
+    negInf := float32(math.Inf(-1))
+    if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
+```
+t.Error("unexpected isInf value")
+
+f := func(x struct {
+F    float32
+Sign int
+}) bool {
+y := IsInf(x.F, x.Sign)
+return y == math.IsInf(float64(x.F), x.Sign)
+
+if err := quick.Check(f, nil); err != nil {
+    t.Error(err)
+}
+
+
+func TestIsNaN(t *testing.T) {
+f := func(x float32) bool {
+y := IsNaN(x)
+return y == math.IsNaN(float64(x))
+
+if err := quick.Check(f, nil); err != nil {
+    t.Error(err)
+}
+
+
+func TestNaN(t *testing.T) {
+if !math.IsNaN(float64(NaN())) {
+    t.Errorf("float32(nan) is a number: %f", NaN())
+}
+
+
+func TestSqrt(t *testing.T) {
+f := func(x float32) bool {
+y := Sqrt(x)
+if IsNaN(y) && IsNaN(sqrt(x)) {
+    return true
+}
+return floats.EqualWithinRel(float64(y), float64(sqrt(x)), tol)
+
+if err := quick.Check(f, nil); err != nil {
+    t.Error(err)
+}
+
+
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+// license that can be found in the LICENSE file.
+
+// The original C code and the long comment below are
from FreeBSD's /usr/src/lib/msun/src/e_sqrt.c and
came with this notice. The go code is a simplified
version of the original C.

+=-------------------------------------------------------------+
+= Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.
+=
+= Developed at SunPro, a Sun Microsystems, Inc. business.
+= Permission to use, copy, modify, and distribute this
+= software is freely granted, provided that this notice
+= is preserved.
+= =------------------------------------------------------------------+
+=
+= __ieee754_sqrt(x)
+= Return correctly rounded sqrt.
+= 
+= | Use the hardware sqrt if you have one |
+= 
+= Method:
+= Bit by bit method using integer arithmetic. (Slow, but portable)
+= 1. Normalization
+= Scale x to y in [1,4) with even powers of 2:
+= find an integer k such that 1 <= (y=x*2**(2k)) < 4, then
+= sqrt(x) = 2**k * sqrt(y)
+= 2. Bit by bit computation
+= Let q = sqrt(y) truncated to i bit after binary point (q = 1),
+=
+= i
+= i+1
+= s = 2*q , and y = 2 * (y - q ).            (1)
+= i  i
+=
+= To compute q from q , one checks whether
+= i+1
+= i
+=
+= -(i+1) 2
+= (q + 2 ) <= y.                      (2)
+= i
+=
+= -(i+1)
+= If (2) is false, then q = q ; otherwise q = q + 2 .
+= i+1
+= i+1
+=
+= With some algebraic manipulation, it is not difficult to see
+= that (2) is equivalent to
+= -(i+1)
+= s + 2 <= y                      (3)
+= i
+=
+= The advantage of (3) is that s and y can be computed by
the following recurrence formula:

\[
\begin{align*}
&\text{if } (3) \text{ is false} \\
&s_{i+1} = s_i, \quad y_{i+1} = y_i; \quad (4) \\
&\text{otherwise,} \\
&s_{i+1} = s_i - (i+1), \quad y_{i+1} = y_i - s_i - 2; \quad (5)
\end{align*}
\]

One may easily use induction to prove (4) and (5).

Note. Since the left hand side of (3) contain only \(i+2\) bits,

it does not necessary to do a full (53-bit) comparison

in (3).

3. Final rounding

After generating the 53 bits result, we compute one more bit.

Together with the remainder, we can decide whether the

result is exact, bigger than 1/2ulp, or less than 1/2ulp

(it will never equal to 1/2ulp).

The rounding mode can be detected by checking whether

huge + tiny is equal to huge, and whether huge - tiny is

equal to huge for some floating point number "huge" and "tiny".

```go
func sqrt(x float32) float32 {
    // special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }
    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 { // subnormal x
        for ix&1<<shift == 0 {
            ix <<= 1
            exp--
        }
        exp++
    }
    exp = bias // unbias exponent
    ix &^= mask << shift
    ix |= 1 << shift
    if exp&1 == 1 { // odd exp, double x to make it even
        ix <<= 1
    }
    }
+exp >>= 1 // exp = exp/2, exponent of square root
+// generate sqrt(x) bit by bit
+ix <<= 1
+var q, s uint32       // q = sqrt(x)
+r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
+for r != 0 {
+t := s + r
+if t <= ix {
+s = t + r
+ix -= t
+q += r
+
+ix <<= 1
+r >>= 1
+
+// final rounding
+if ix != 0 { // remainder, result not exact
+q += q & 1 // round according to extra bit
+
[ix = q>>1 + uint32(exp-1+bias)<<shift // significand + biased exponent
+return math.Float32frombits(ix)
+

diff --git a/native/inteernal/math32/sqrt.go b/native/inteernal/math32/sqrt.go
new file mode 100644
index 0000000..058b731
--- /dev/null
+++ b/native/inteernal/math32/sqrt.go
@@ -0,0 +1,25 @@
+// Copyright 2015 The gonum Authors. All rights reserved.
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+// license that can be found in the LICENSE file.
+
+package math32
+
+import {
+"math"
+}
+
+// Sqrt returns the square root of x.
+// Special cases are:
+//Sqrt(+Inf) = +Inf
+//Sqrt(0) = 0
+//Sqrt(x < 0) = NaN
+//Sqrt(NaN) = NaN
+func Sqrt(x float32) float32 {
+// FIXME(kortschak): Direct translation of the math package
+// asm code for 386 fails to build. No test hardware is available
+// for arm, so using conversion instead.
+return float32(math.Sqrt(float64(x)))
+}
diff --git a/native/inteernal/math32/sqrt_amd64.go b/native/inteernal/math32/sqrt_amd64.go
new file mode 100644
index 0000000..ca11639
--- /dev/null
+++ b/native/inteernal/math32/sqrt_amd64.go
@@ -0,0 +1,20 @@
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+
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+
+//+build !noasm
+
+package math32
+
+// Sqrt returns the square root of x.
+//
+// Special cases are:
+// Sqrt(+Inf) = +Inf
+// Sqrt(0) = 0
+// Sqrt(x < 0) = NaN
+// Sqrt(NaN) = NaN
+func Sqrt(x float32) float32
diff --git a/native/inteernal/math32/sqrt_amd64.s b/native/inteernal/math32/sqrt_amd64.s
new file mode 100644
index 0000000..595ce5d
--- /dev/null
+++ b/native/inteernal/math32/sqrt_amd64.s
@@ -0,0 +1,20 @@
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+// license that can be found in the LICENSE file.
+
+//+build !noasm
+

TODO(kortschak): use textflag.h after we drop Go 1.3 support
#include "textflag.h"
Don't insert stack check preamble.
#define NOSPLIT	4

// func Sqrt(x float32) float32
TEXT Sqrt(SB),NOSPLIT,$0
SQRTPS x+0(FP), X0
MOVS X0, ret+8(FP)
+RET
diff --git a/native/internal/math32/math.go b/native/internal/math32/math.go
deleted file mode 100644
index b33401b..0000000
--- a/native/internal/math32/math.go
+++ /dev/null
@@ -1,113 +0,0 @@
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-
-// Copyright 2015 The gonum Authors. All rights reserved.
-// Use of this source code is governed by a BSD-style
-// license that can be found in the LICENSE file.
-
-// Package math32 provides float32 versions of standard library math package
-// routines used by gonum/blas/native.
-package math32
-
---import (
-"math"
-)
-
-const (u
-unan = 0x7fc00000
-uint = 0x7f800000
-uneginf = 0xff800000
-mask = 0x7f8 >> 3
-shift = 32 - 8 - 1
-bias = 127
-)
-
-// Abs returns the absolute value of x.
-// Special cases are:
-//Abs(Inf) = +Inf
-//Abs(NaN) = NaN
-func Abs(x float32) float32 {
-switch {

case x < 0:
    return -x
-case x == 0:
    -return 0 // return correctly abs(-0)
-

-Copysign returns a value with the magnitude
-Copysign returns a value with the magnitude
// of x and the sign of y.
-unc Copysign(x, y float32) float32 {
    -const sign = 1 << 31
-
    -return math.Float32frombits(math.Float32bits(x)&^sign | math.Float32bits(y)&sign)
-
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
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// unnecessary overflow and underflow.
-

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-Hypot returns Sqrt(p*p + q*q), taking care to avoid
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-
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-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-

-Hypot returns Sqrt(p*p + q*q), taking care to avoid
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// unnecessary overflow and underflow.
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-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-

-Hypot returns Sqrt(p*p + q*q), taking care to avoid
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// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
-Hypot returns Sqrt(p*p + q*q), taking care to avoid
// unnecessary overflow and underflow.
-func Inf(sign int) float32 {
-\tvar v uint32
-\tif sign >= 0 {
-\t\tv = uinf
-\t\t} else {
-\t\tv = uneginf
-\t\t}
-\treturn math.Float32frombits(v)
-\t}

-// IsInf reports whether f is an infinity, according to sign.
-// If sign > 0, IsInf reports whether f is positive infinity.
-// If sign < 0, IsInf reports whether f is negative infinity.
-// If sign == 0, IsInf reports whether f is either infinity.
-\func IsInf(f float32, sign int) bool {
-\t// Test for infinity by comparing against maximum float.
-\t// To avoid the floating-point hardware, could use:
-\t//x := math.Float32bits(f);
-\t//return sign >= 0 && x == uinf || sign <= 0 && x == uneginf;
-\treturn sign >= 0 && f > math.MaxFloat32 || sign <= 0 && f < -math.MaxFloat32
-\t}

-// IsNaN reports whether f is an IEEE 754 ``not-a-number'' value.
-\func IsNaN(f float32) (is bool) {
-\t// IEEE 754 says that only NaNs satisfy f != f.
-\t// To avoid the floating-point hardware, could use:
-\t//x := math.Float32bits(f);
-\t//return uint32(x>>shift)&mask == mask && x != uinf && x != uneginf
-\treturn f != f
-\t}

-// NaN returns an IEEE 754 ``not-a-number'' value.
-\func NaN() float32 { return math.Float32frombits(unan) }

- "testing/quick"
- 
- "github.com/gonum/floats"
- } 
- 
- const tol = 1e-7
- 
- func TestAbs(t *testing.T) {
- f := func(x float32) bool {
- y := Abs(x)
- return y == float32(math.Abs(float64(x)))
- }
- if err := quick.Check(f, nil); err != nil {
- t.Error(err)
- }
- }
-
- func TestCopySign(t *testing.T) {
- f := func(x struct{ X, Y float32 }) bool {
- y := Copysign(x.X, x.Y)
- return y == float32(math.Copysign(float64(x.X), float64(x.Y)))
- }
- if err := quick.Check(f, nil); err != nil {
- t.Error(err)
- }
- }
-
- func TestHypot(t *testing.T) {
- f := func(x struct{ X, Y float32 }) bool {
- y := Hypot(x.X, x.Y)
- if math.Hypot(float64(x.X), float64(x.Y)) > math.MaxFloat32 {
- return true
- }
- return floats.EqualWithinRel(float64(y), math.Hypot(float64(x.X), float64(x.Y)), tol)
- }
- if err := quick.Check(f, nil); err != nil {
- t.Error(err)
- }
- }
-
- func TestInf(t *testing.T) {
- if float64(Inf(1)) != math.Inf(1) || float64(Inf(-1)) != math.Inf(-1) {
- t.Error("float32(inf) not infinite")
- }
- }
-
- func TestIsInf(t *testing.T) {
- posInf := float32(math.Inf(1))
-negInf := float32(math.Inf(-1))
-if !IsInf(posInf, 0) || !IsInf(negInf, 0) || !IsInf(posInf, 1) || !IsInf(negInf, -1) || IsInf(posInf, -1) || IsInf(negInf, 1) {
-t.Error("unexpected isInf value")
-
-f := func(x struct {
-F float32
-Sign int
-}) bool {
-y := IsInf(x.F, x.Sign)
-return y == math.IsInf(float64(x.F), x.Sign)
-
-if err := quick.Check(f, nil); err != nil {
-t.Error(err)
-
-
-
-f := func(x float32) bool {
-y := isNaN(x)
-return y == math.IsNaN(float64(x))
-
-if err := quick.Check(f, nil); err != nil {
-t.Error(err)
-
-
-
-f := func(x float32) bool {
-y := Sqrt(x)
-if IsNaN(y) && IsNaN(sqrt(x)) {
-return true
-
-return floats.EqualWithinRel(float64(y), float64(sqrt(x)), tol)
-
-if err := quick.Check(f, nil); err != nil {
-t.Error(err)
-
-
-
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- The original C code and the long comment below are
- from FreeBSD's /usr/src/lib/msun/src/e_sqrt.c and
- came with this notice. The go code is a simplified
- version of the original C.
-
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- is preserved.
-
- __ieee754_sqrt(x)
- Return correctly rounded sqrt.
- | Use the hardware sqrt if you have one |
-
- Method:
- Bit by bit method using integer arithmetic. (Slow, but portable)
- 1. Normalization
- Scale x to y in [1,4) with even powers of 2:
- find an integer k such that 1 <= (y=x*2**(2k)) < 4, then
- \[ \text{sqrt}(x) = 2^k \times \text{sqrt}(y) \]
- 2. Bit by bit computation
- Let \( q = \text{sqrt}(y) \) truncated to i bit after binary point (q = 1),
- \[ q^0 \]
- \[ i+1 \]
- \[ 2 \]
- \[ s = 2^i q \], and \[ y = \frac{y}{s^i} \] \[ (1) \]
- To compute \( q^{i+1} \) from \( q^i \), one checks whether
- \[ q^{i+1} \]
- \[ i+1 \]
- \[ i \]
- \[ -(i+1) \] 2
- \[ (q + 2^{-i}) \] \leq y. \[ (2) \]
- If (2) is false, then \( q = q^i \); otherwise \[ q^i = q + 2^{-(i+1)} \]
- With some algebraic manipulation, it is not difficult to see
- that (2) is equivalent to
- \[ -(i+1) \]
- \[ s + 2^{-i} \] \leq y \[ (3) \]
The advantage of (3) is that $s$ and $y$ can be computed by
the following recurrence formula:

$$\begin{align*}
    &\text{if (3) is false} \\
    &\quad s_{i+1} = s_i, \quad y_{i+1} = y_i ; \\
    &\text{otherwise,} \\
    &\quad s_{i+1} = s_i + 2, \quad y_{i+1} = y_i - s_i - 2
\end{align*}$$

One may easily use induction to prove (4) and (5).

Note. Since the left hand side of (3) contain only $i+2$ bits,
it does not necessary to do a full (53-bit) comparison
in (3).

3. Final rounding

After generating the 53 bits result, we compute one more bit.
Together with the remainder, we can decide whether the
result is exact, bigger than 1/2ulp, or less than 1/2ulp
(it will never equal to 1/2ulp).

The rounding mode can be detected by checking whether
huge + tiny is equal to huge, and whether huge - tiny is
equal to huge for some floating point number "huge" and "tiny".

```go
func sqrt(x float32) float32 {
    // special cases
    switch {
    case x == 0 || IsNaN(x) || IsInf(x, 1):
        return x
    case x < 0:
        return NaN()
    }
    ix := math.Float32bits(x)
    // normalize x
    exp := int((ix >> shift) & mask)
    if exp == 0 {  // subnormal x
        for ix&1<<shift == 0 {
            ix <<= 1
            exp--
        }
        exp++
    }
    ix &= mask << shift
    ix |= 1 << shift
    return x
}
```
-if exp&1 == 1 { // odd exp, double x to make it even
-ix <<= 1
-
-exp >>= 1 // exp = exp/2, exponent of square root
-// generate sqrt(x) bit by bit
-ix <<= 1
-var q, s uint32 // q = sqrt(x)
-r := uint32(1 << (shift + 1)) // r = moving bit from MSB to LSB
-for r != 0 {
-t := s + r
-if t <= ix {
-s = t + r
-ix -= t
-q += r
-}
-ix <<= 1
-r >>= 1
-
-// final rounding
-if ix != 0 { // remainder, result not exact
-q += q & 1 // round according to extra bit
-}
-ix = q>>1 + uint32(exp-1+bias)<<shift // significand + biased exponent
-return math.Float32frombits(ix)
-}
diff --git a/native/internal/math32/sqrt.go b/native/internal/math32/sqrt.go
deleted file mode 100644
index 058b731..0000000
--- a/native/internal/math32/sqrt.go
+++ /dev/null
@@ -1,25 +0,0 @@
--- a/native/internal/math32/sqrt.go
+++ /dev/null
@ @ -1,25 +0,0 @@
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-
-+build !amd64 noasm
-
-package math32
-
-import (  
-"math"
-)
-
-// Sqrt returns the square root of x.
-// Special cases are:
-//Sqrt(+Inf) = +Inf
-//Sqrt(0) = 0
-//Sqrt(x < 0) = NaN
-//Sqrt(NaN) = NaN
-func Sqrt(x float32) float32 {
-// FIXME(kortschak): Direct translation of the math package
-// asm code for 386 fails to build. No test hardware is available
-// for arm, so using conversion instead.
-//return float32(math.Sqrt(float64(x)))
-}

diff --git a/native/internal/math32/sqrt_amd64.go b/native/internal/math32/sqrt_amd64.go
deleted file mode 100644
index ca11639..0000000
--- a/native/internal/math32/sqrt_amd64.go
+++ /dev/null
@@ -1,20 +0,0 @@
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-
-+#build !noasm
-
-+package math32
-
-+// Sqrt returns the square root of x.
-+
-+// Special cases are:
-+//Sqrt(+Inf) = +Inf
-+//Sqrt(0) = 0
-+//Sqrt(x < 0) = NaN
-+//Sqrt(NaN) = NaN
-func Sqrt(x float32) float32
diff --git a/native/internal/math32/sqrt_amd64.s b/native/internal/math32/sqrt_amd64.s
deleted file mode 100644
index 595ce5d..0000000
--- a/native/internal/math32/sqrt_amd64.s
+++ /dev/null
@@ -1,20 +0,0 @@
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-
-//+build !noasm
-
-// TODO(kortschak): use textflag.h after we drop Go 1.3 support
-//#include "textflag.h"
-// Don't insert stack check preamble.
-#define NOSPLIT
-
-// func Sqrt(x float32) float32
-TEXT Sqrt(SB),NOSPLIT,$0
-SQRTSS x+0(FP), X0
-MOVSS X0, ret+8(FP)
-RET
diff --git a/native/level1double.go b/native/level1double.go
index 0d77243..65f2972 100644
--- a/native/level1double.go
+++ b/native/level1double.go
@@ -8,7 +8,7 @@ import (    "github.com/gonum/blas"
-    "github.com/gonum/internal/asm"
+    "github.com/gonum/internal/asm"
 )

 var _ blas.Float64Level1 = Implementation{}
diff --git a/native/level1double_ddot.go b/native/level1double_ddot.go
index 7af4e04..84a16ed 100644
--- a/native/level1double_ddot.go
+++ b/native/level1double_ddot.go
@@ -5,7 +5,7 @@
 package native

 import (    "github.com/gonum/internal/asm"
+    "github.com/gonum/internal/asm"
 )

 // Ddot computes the dot product of the two vectors
diff --git a/native/level1single.go b/native/level1single.go
index 6bcb83..63ea2ce 100644
--- a/native/level1single.go
+++ b/native/level1single.go
@@ -7,10 +7,10 @@
 package native

 import (    -math "github.com/gonum/blas/native/internal/math32"
+math "github.com/gonum/blas/native/internal/math32"
 )
var _ blas.Float32Level1 = Implementation{}

package native
import (
    "github.com/gonum/blas"
    "github.com/gonum/inteernal/asm"
)

// Dsdot computes the dot product of the two vectors
import (   "github.com/gonum/blas"
    "github.com/gonum/inteernal/asm"
)

// Sdot computes the dot product of the two vectors
import (   "github.com/gonum/blas"
    "github.com/gonum/inteernal/asm"
)

// Sdsdot computes the dot product of the two vectors plus a constant
import (   "github.com/gonum/blas"
    "github.com/gonum/inteernal/asm"
)
--- a/native/level2double.go
+++ b/native/level2double.go
@@ -6,7 +6,7 @@ package native

import (
  "github.com/gonum/blas"
+  "github.com/gonum/internal/asm"
  )

var _ blas.Float64Level2 = Implementation{

diff --git a/native/level2single.go b/native/level2single.go
index b213ad6..6720c0e 100644
--- a/native/level2single.go
+++ b/native/level2single.go
@@ -8,7 +8,7 @@ package native

import (
  "github.com/gonum/blas"
+  "github.com/gonum/internal/asm"
  )

var _ blas.Float32Level2 = Implementation{

diff --git a/native/level3double.go b/native/level3double.go
index 5a19652..47d5d15 100644
--- a/native/level3double.go
+++ b/native/level3double.go
@@ -6,7 +6,7 @@ package native

import (
  "github.com/gonum/blas"
+  "github.com/gonum/internal/asm"
  )

var _ blas.Float64Level3 = Implementation{

diff --git a/native/level3single.go b/native/level3single.go
index 6bc9a56..82212a0 100644
--- a/native/level3single.go
+++ b/native/level3single.go
@@ -8,7 +8,7 @@ package native

import (
  "github.com/gonum/blas"
+  "github.com/gonum/internal/asm"
  )

var _ blas.Float64Level3 = Implementation{

import (
  "github.com/gonum/blas"
+  "github.com/gonum/internal/asm"
  )
var _ blas.Float32Level3 = Implementation{}

diff --git a/native/sgemm.go b/native/sgemm.go
index 047d4e5..0387945 100644
--- a/native/sgemm.go
+++ b/native/sgemm.go
@@ -12,7 +12,7 @@
 import (
     "sync"
 
"github.com/gonum/blas"
- "github.com/gonum/internal/asm"
+ "github.com/gonum/inteernal/asm"
 )

// Sgemm computes
--
1.9.3

Found in path(s):
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archive-WzqxORBa/blas-80dca99229cccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-
80dca99229cccca259b550ae3f755cf79c65a224/blas.go
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80dca99229cccca259b550ae3f755cf79c65a224/native/dgemm.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-
archive-WzqxORBa/blas-80dca99229cccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-
80dca99229cccca259b550ae3f755cf79c65a224/native/dgemmbench_test.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-
archive-WzqxORBa/blas-80dca99229cccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-
80dca99229cccca259b550ae3f755cf79c65a224/native/level2double.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-
archive-WzqxORBa/blas-80dca99229cccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-
80dca99229cccca259b550ae3f755cf79c65a224/native/level2double.go

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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level3double_test.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level1single.go
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level3single.go
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level1single.go

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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level1single.go

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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level3double_test.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/native/level1single.go
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229cccc259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229cccc259b550ae3f755cf79c65a224/blas64/blas64.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229cccc259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229cccc259b550ae3f755cf79c65a224/native/level1single_dsdot.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229cccc259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229cccc259b550ae3f755cf79c65a224/native/dgemvbench_test.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229cccc259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229cccc259b550ae3f755cf79c65a224/native/level1single_sdsdot.go
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/golang-github-gonum-blas.spec
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccca259b550ae3f755cf79c65a224/cgo/doc.go
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From e5a63c34a5c71fca25ae49a326c129fabab8a3e Mon Sep 17 00:00:00 2001
From: Jan Chaloupka <jchaloup@redhat.com>
Date: Thu, 8 Oct 2015 13:40:35 +0200
Subject: [PATCH] add license

---
LICENSE | 23 ++++++++++++++++++++++++++
1 file changed, 23 insertions(+)
create mode 100644 LICENSE

diff --git a/LICENSE b/LICENSE
new file mode 100644
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1.9.3

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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/add-license.patch

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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/internal/math32/math.go
* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBa/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/internal/math32/math.go
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* /opt/cola/permits/1116231198_1608145444.23/0/golang-github-gonum-blas-0-0.1.mga7.src.rpm-cosi-expand-archive-WzqxORBb/blas-80dca99229ccccca259b550ae3f755cf79c65a224.tar.gz-cosi-expand-archive-fgzReu0e/blas-80dca99229ccccca259b550ae3f755cf79c65a224/native/level1doubleBench_auto_test.go
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# 1.1225 scala-logging_2.12 3.9.2

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1.1226 antlr-runtime 4.5.3

1.1227 kerby-util 1.1.0
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1.1228 pierrec-lz4 2.0.5+incompatible

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1.1229 errors 0.8.1

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1.1230 zenity 3.8.0-5.el7

1.1231 zip 3.0-10.el7

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

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
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the library, and (2) offer you this license which gives you legal
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Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually 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.

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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.

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

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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.

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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 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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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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b) Accompany the work with a written offer, valid for at
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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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1.1233 glibc 2.17-106.el7_2.8
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) 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.

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

d) Verify that the user has already received a copy of these materials or 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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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
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That's all there is to it!

1.1234 api-ldap-extras-sp 1.0.0-M20

1.1234.1 Available under license :

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^L

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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.

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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.

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
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 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
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- Simplify error handling, avoiding the need for try/catch/finally blocks in application code.
- Present exceptions to application code in a generic hierarchy of unchecked exceptions, enabling applications to catch data access exceptions without being dependent on JDBC, and to ignore fatal exceptions there is no value in catching.
- Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.

This package and related packages are discussed in Chapter 9 of Expert One-On-One J2EE Design and Development by Rod Johnson (Wrox, 2002).

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  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/init/ScriptParseException.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactoryBean.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/metadata/SqlServerCallMetaDataProvider.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/metadata/PostgresCallMetaDataProvider.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistry.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/coreUPPORT inflammationObjectSupport.java
  */opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/object/RdbmsOperation.java

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* Strategy interface for translating between @link SQLException SQLExceptions} and Spring's data access strategy-agnostic @link DataAccessException} hierarchy.
* Implementations can be generic (for example, using
* [@link java.sql.SQLException#SQLException(java.sql.SQLException) SQLState) codes for JDBC) or wholly
* proprietary (for example, using Oracle error codes) for greater precision.
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/SQLWarningException.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/SmartDataSource.java
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/support/xml/XmlCharacterStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java
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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/support/AbstractLobCreatingPreparedStatementCallback.java

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* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/metadata/CallMetaDataProviderFactory.java
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/datasource/init/DatabasePopulatorUtils.java
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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
* @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
* Create a Map of input parameters, keyed by name.
* @param con a JDBC connection. This is useful (and the purpose of this interface)
* if we need to do something RDBMS-specific with a proprietary Connection
* implementation class. This class conceals such proprietary details. However,
* it is best to avoid using such proprietary RDBMS features if possible.
* @return a Map of input parameters, keyed by name (never { @code null })
* @throws SQLException if an SQLException is encountered setting parameter values (that is, there's no need to catch SQLException)
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412495_1594388232.98/0/spring-jdbc-5-2-5-release-sources-1-jar/org/springframework/jdbc/core/ParameterMapper.java
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPLv2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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1.1243 libxi 1.7.4-2.el7

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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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1.1261 ima-evm-utils 1.1-5.el8

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abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the
  Module-Build mailing list at <module-build@perl.org>.'
buildRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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

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#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();
# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})\b/i
    or die "Copyright statement not found in perl -v output '$output'";

    $year;
}
1.1265 gorilla 1.4.2

1.1265.1 Available under license:

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

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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
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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1.1284 opensaml-profile-api 3.3.0

1.1285 lshw B.02.18-23.el8

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**History of the software**

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see http://www.cnri.reston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
http://www.python.org/psf/) was formed, a non-profit organization created
specifically to own Python-related Intellectual Property. Zope Corporation is a
sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org/ for the Open
Source Definition). Historically, most, but not all, Python releases have also
been GPL-compatible; the table below summarizes the various releases.

|----------------+----------------+------------+-----------------+
| Release        | Derived from   | Year       | Owner           |
|----------------+----------------+------------+-----------------+
<p>| 0.9.0 thru 1.2 | n/a            | 1991-1995  | CWI yes         |
| 1.3 thru 1.5.2 | 1.2            | 1995-1999  | CNRI yes        |
| 1.6            | 1.5.2          | 2000       | CNRI no         |
| 2.0            | 1.6            | 2000       | BeOpen.com no   |</p>
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Mersenne Twister

The :mod:`random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):
Asynchronous socket services

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

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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---------------------------

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test_epoll
----------

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

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strtod and dtoa
--------------

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.1290 e2fsprogs 1.45.4-3.el8

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

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image
real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`
echo $(my_dir) | sed -e 's;lib/;;'" $(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)\n
install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ./$(BSD_LIB)
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Gadi Oxman, August 1995

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbus/tdb.c

===================================================================
--- tdbus.orig/tdb.c
+++ tdbus/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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

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

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Theodore Ts'o
23-June-2007

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

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1.1292 sqlite-jdbc 3.21.0

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1.1295 libogg 1.3.0-7.el7
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1.1296 klauspost-compress 1.10.3

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1.1297 kr-pre tty 0.1.0

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1.1298 scala-reflect 2.12.11

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Theodore Ts'o
23-June-2007

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That's all there is to it!
/*

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*/

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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DAMAGE.

This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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

# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../*.$(BSD_LIB)

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Follows the GNU license.

Gadi Oxman, August 1995

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

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Index: tdbsa/tdb.c
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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import: ../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.1302 perl-constant 1.27-2.el7

1.1303 hiredis 0.12.1

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '+/-' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*-' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^ *]*)\*( - .*)? */', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Check a comment for boilerplate violations. Return true if the comment
    # is a license statement.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
for line in lines[ln:]
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'//.*\n', '', line)
        line = line.strip()
    if not in_comment and '/' in line:
        (line, sep, comment_part) = line.partition('//')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '/*' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
        comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                                 code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
    elif line.strip() != '':
        code_seen = True
        ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

.. _mitK5license:

MIT Kerberos License information
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.. include:: notice.rst

[ NOTE: MIT has only incorporated the mechglue and spnego change, and not the incremental propagation changes. The filenames are different between the Sun and MIT sources. The actual MIT filenames appear in the top-level README file. Original text of Sun's LICENSE file follows. ]
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  cmd/krb5/iprop/iprop_hdr.h
  cmd/krb5/ipropd_svc.c
  cmd/krb5/kproplog/kproplog.c
  cmd/krb5/slave/kpropd_rpc.c
  lib/gss_mechs/mach_krb5/et/kdb5_err.c
  lib/gss_mechs/mach_spnego/mach/gssapiP_spnego.h
  lib/gss_mechs/mach_spnego/mach/spnego_mech.c
  lib/krb5/kadm5/kadm_host_srv_names.c
  lib/krb5/kdb/kdb_convert.c
  lib/krb5/kdb/kdb_hdr.h
  lib/krb5/kdb/kdb_log.c
  lib/krb5/kdb/kdb_log.h
  lib/libgss/g_accept_sec_context.c
  lib/libgss/g_acquire_cred.c
  lib/libgss/g_canon_name.c
  lib/libgss/g_compare_name.c
  lib/libgss/g_context_time.c
  lib/libgss/g_delete_sec_context.c
  lib/libgss/g_dsp_name.c
  lib/libgss/g_dsp_status.c
  lib/libgss/g_dup_name.c
  lib/libgss/g_exp_sec_context.c
  lib/libgss/g_export_name.c
  lib/libgss/g_glue.c
  lib/libgss/g_imp_name.c
  lib/libgss/g_imp_sec_context.c
  lib/libgss/g_init_sec_context.c
  lib/libgss/g_initialize.c
  lib/libgss/g_inquire_context.c
  lib/libgss/g_inquire_cred.c
  lib/libgss/g_inquire_names.c
  lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
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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- <code class="docutils literal"><span class="pre">g_dsp_status.c</span></code>
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- <code class="docutils literal"><span class="pre">g_export_name.c</span></code>
- <code class="docutils literal"><span class="pre">g_glue.c</span></code>
- <code class="docutils literal"><span class="pre">g_imp_name.c</span></code>
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14987

class="o'"/>\n<span class="n">mechglue</span>\n<\span class="o'"/>
<\span class="n">g_imp_sec_context</span><\span class="o'"/>
<\span class="n">gssapi</span><\span class="o'"/>
<\span class="n">g_init_sec_context</span><\span class="o'"/>
<\span class="n">g_initialize</span><\span class="o'"/>
<\span class="n">g_inquire_context</span><\span class="o'"/>
<\span class="n">g_inquire_cred</span><\span class="o'"/>
<\span class="n">g_inquire_names</span><\span class="o'"/>
<\span class="n">g_process_context</span><\span class="o'"/>
<\span class="n">g_relay_buffer</span><\span class="o'"/>
<\span class="n">g_relay_cred</span><\span class="o'"/>
<\span class="n">g_relay_name</span><\span class="o'"/>
<\span class="n">g_relay_oid_set</span><\span class="o'"/>
<\span class="n">g_seal</span><\span class="o'"/>
<\span class="n">g_sign</span><\span class="o'"/>
<\span class="n">g_store_cred</span><\span class="o'"/>
<\span class="n">g_unseal</span><\span class="o'"/>
<\span class="n">g_userok</span><\span class="o'"/>
<\span class="n">mechglue</span><\span class="o'"/>
<\span class="n">gssapi</span><\span class="o'"/>
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<\span class="n">gssapi</span><\span class="o'"/>
<\span class="n">mechglue</span><\span class="o'"/>
<\span class="n">gssapi
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.1310 libsecret 0.18.2-2.el7
1.1310.1 Available under license :

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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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   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.

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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.)

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

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

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

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

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

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

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

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{description}
Copyright (C) {year}  {fullname}

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51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

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

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

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

    {signature of Ty Coon}, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.1313 cracklib 2.9.0-11.el7
1.1313.1 Available under license :

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

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

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

Attachments: Message as HTML

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Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
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---------------------------------------------

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

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
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Attachments: Message as HTML

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Open Source Used In APIC-SE-BATMAN v2.0.1  15076

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From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
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Re: [Cracklib-devel] cracklib license
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In any case, I thank you both for working on sorting this out.

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Re: [Cracklib-devel] cracklib license
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Attachments: Message as HTML
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yes. go for it. thanks++

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Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

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> >
> > yes. go for it. thanks++
Nathan Neulinger is the only one who can actually make said change ...
-mike

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

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

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

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

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43) by scanin-ipv5.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3]) by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd807f10010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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

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

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>
Open Source Used In APIC-SE-BATMAN v2.0.1

Modifications: Added cronjob, configuration file, and man pages.

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published by the Free Software Foundation; either version 2.1 of the
License, or (at your option) any later version.

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Lesser General Public License for more details.

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distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

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

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

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

Discussion thread from mailing list archive, with approval from everyone actively
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From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
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Sent: Monday, October 01, 2007 8:15 PM
To: cracklib-devel@li...
Subject: [Cracklib-devel] cracklib license

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> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
> >
> > yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

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

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

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMPTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMPTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
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Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
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In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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* Project: https://maven.apache.org/ref/3.5.2/maven-compat/
* Source:
  https://mvnrepository.com/artifact/org.apache.maven/maven-compat/3.5.2

maven-core (3.5.2)

* License: Apache-2.0
* Project: https://maven.apache.org/ref/3.5.2/maven-core/index.html
* Source: https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2

maven-plugin-annotations (3.5)

* License: Apache-2.0
* Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/
* Source: https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations

maven-plugin-api (3.5.2)

* License: Apache-2.0

maven-resolver-api (1.1.1)

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maven-resolver-connector-basic (1.1.1)

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maven-resolver-impl (1.1.1)

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maven-resolver-spi (1.1.1)

* License: Apache-2.0

maven-resolver-transport-file (1.1.1)

* License: Apache-2.0
* Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
* Source: https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file
maven-resolver-util (1.1.1)

* License: Apache-2.0

maven-settings (3.5.2)

* License: Apache-2.0
* Source:
  https://mvnrepository.com/artifact/org.apache.maven/maven-settings/3.5.2

OSGi Service Platform Core Companion Code (6.0)

* License: Apache License, 2.0

plexus-archiver (3.5)

* License: Apache-2.0
* Project: https://codehaus-plexus.github.io/plexus-archiver/
* Source: https://github.com/codehaus-plexus/plexus-archiver

plexus-io (3.0.0)

* License: Apache-2.0

plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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Sax (0.2)

* License: SAX-PD
* Source: http://sourceforge.net/project/showfiles.php?group_id=29449

testng (6.14.2)

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* Project: https://testng.org/doc/index.html
* Source: https://github.com/cbeust/testng

wagon-http-lightweight (3.0.0)

* License: Pending
* Project: https://maven.apache.org/wagon/
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xz for java (1.8)

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### 1.1323 open-ldap 2.4.44-22.el7_7.0atomix1

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1.1324 yum 3.4.3 163.el7.centos

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diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py 2015-01-19 07:44:35.567107008 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):

except Errors.RepoMDError:
    continue # No metadata found for this repo
+
    self.arch_storage = ArchStorage()
+
    self.archlist = self.arch_storage.archlist
+
    def get_notices(self, name=None):
        """Return all notices. """
        if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
            name = oldpkgtup[0]
            arch = oldpkgtup[1]
            ret = []
+
            other_arch_list = []
+
            notices = set()
            for notice in self.get_notices(name):
                for upkg in notice['pkglist']:
for pkg in upkg['packages']:
    other_arch = False
    if pkg['name'] != name or pkg['arch'] != arch:
        continue
    if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
        other_arch = True
    else:
        continue
    pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0', pkg['version'], pkg['release'])
    if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
        continue
    ret.append((pkgtup, notice))
    if other_arch:
        other_arch_list.append((pkgtup, notice))
    else:
        ret.append((pkgtup, notice))
        notices.add(notice)
for pkgtup, notice in other_arch_list:
    if notice not in notices:
        ret.append((pkgtup, notice))
ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
return ret

diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py 2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
import logginglevels
import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):

diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org 2017-01-24 18:55:03.529842775 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
     A single update notice (for instance, a security fix).
     
-    def __init__(self, elem=None):
+    def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from'             : '',
            'type'             : '',
@@ -83,6 +83,9 @@ class UpdateNotice(object):

-    def __init__(self, elem=None):
+    def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from'             : '',
            'type'             : '',
@@ -83,6 +83,9 @@ class UpdateNotice(object):

---
Open Source Used In APIC-SE-BATMAN v2.0.1 15246
if elem:
    self._parse(elem)

+    self._repoid = repoid
+    self._vlogger = vlogger
+
+    def __getitem__(self, item):
+        """ Allows scriptable metadata access (ie: un['update_id']). """
        if type(item) is int:

@@ -103,6 +106,24 @@ class UpdateNotice(object):
            # Tests to see if it's "the same data", which means that the
            # packages can be different (see add_notice).
+
+    def _rid(un):
+        if hasattr(un, '_repoid') and un._repoid is not None:
+            return un._repoid
+        else:
+            return '<unknown>'
+
+    def _log_failure(data):
+        """Log the mismatched data similarly to conflict markers in git."""
+        if self._vlogger is None:
+            return
+        msg = _('Duplicate of %s differs in some fields:
')
+        msg += '<<<<<<< %s:%s
' % (_rid(other), data)
+        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
+        msg += '>>>>>>> %s:%s' % (_rid(self), data)
+        # --verbose mode enables this
+        self._vlogger.log(logging.DEBUG_3, msg)
+
+    if not other or not hasattr(other, '_md'):
+        return False

@@ -113,6 +134,7 @@ class UpdateNotice(object):
        if self._md[data] != other._md[data]:  
            _log_failure(data)
        return False
+
        data = 'status'
        if self._md[data] != other._md[data]:
            if self._md[data] not in ('stable', 'testing'):
+                _log_failure(data)
                return False
if other._md[data] not in ('stable', 'testing'):
    _log_failure(data)
    return False

    # They are both really "stable" ...
self._md[data] = 'stable'

@@ -574,7 +598,7 @@ class UpdateMetadata(object):
    if elem.tag == 'update':
        try:
            - un = UpdateNotice(elem)
+            un = UpdateNotice(elem, repoid, self._vlogger)
        except UpdateNoticeException, e:
            msg = _("An update notice%s is broken, skipping.") % _rid(repoid)
        if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
            if not have_dup:
                msg += _("You should report this problem to the owner of the %s repository.") % _rid(repoid, ",")
+                msg += _("If you are the owner, consider re-running the same command with --verbose to see the 
+                'exact data that caused the conflict.'
            have_dup = True
        if self._vlogger:
            self._vlogger.warn("%s", msg)

1.1325 trousers 0.3.14-4.el8.0atomix1

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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(); re-placement 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
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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-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."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

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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
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
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], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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1.1332 httpcomponents-client 4.5.12

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automatically generated with the moman/finenight FSA library, created by
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see http://sites.google.com/site/rrettesite/moman and
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The class org.apache.lucene.util.WeakIdentityMap was derived from
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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
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analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
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- analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt


The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishMinimalStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.
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1.1337 python-requests 2.6.0-9.el7_7

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Requests includes some vendorized python libraries to ease installation.

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.
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1.1354 commons-codec 1.10
1.1354.1 Available under license:
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1.1355 perl 5.16.3-293.el7

1.1355.1 Available under license:

use strict;
use lib '/lib';
use MBTest;
use DistGen;
plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#--------------------------------------------------------------------------#
# Create test distribution
#--------------------------------------------------------------------------#
{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl',
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
  is( $mb->license, 'perl',
      "license 'perl' is valid"
  );

  my $meta = $mb->get_metadata( fatal => 0 );

  is( $meta->{license} => 'perl', "META license will be 'perl'" );
  is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
      "META license URL is correct"
  );
}

{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare',
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
  is( $mb->license, 'VaporWare',
      "license 'VaporWare' is valid"
  );

  my $meta = $mb->get_metadata( fatal => 0 );

  is( $meta->{license} => 'VaporWare', "META license will be 'VaporWare'
      " );
  is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
      "META license URL is correct"
  );
}
"license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}[license], "http://example.com/vaporware/", "META license URL is correct"
);


# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
This module is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

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Version 1, February 1989

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

That's all there is to it!

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the
  Module-Build mailing list at <module-build@perl.org>.,"
builtRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
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repository: http://github.com/dagolden/module-build/
version: 3
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.1356 zap 1.14.1

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1.1357 mapper-extras 6.8.3

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@import url("./css/maven-base.css");
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</style>
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<body class="composite">
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<li class="none">
<a href="download.html">Download</a>
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<a href="index.html">What is log4cxx?</a>
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<a href="faq.html">FAQ</a>
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<li class="none">
<a href="issue-tracking.html">Issue Tracking</a>
</li>
<li class="none">
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<a href="building/ant.html">Apache Ant</a>
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<a href="building/maven.html">Apache Maven 2</a>
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<a href="building/vstudio.html">Microsoft Visual Studio</a>
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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.

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2. [2] Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3]Bernd Altmeyer <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.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 Boudreauault <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@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
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
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32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
33. [36] George Lindholm <lindholm@ucb.berkeley.edu> SunOS 5.1 port
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39. [42] Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
40. [43] Tom Moore <tmoore@fievel.daytonoh.ncri.com> i386 svr4 port
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The implementation was written so as to conform with Netscapes SSL.

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

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From 74331750f118690ca3c375e52b10272b992320e7 Mon Sep 17 00:00:00 2001
From: Andrea Claudi <aclaudi@redhat.com>
Date: Mon, 29 Apr 2019 20:09:13 +0200
Subject: [PATCH] ip{6, }tunnel: Avoid copying user-supplied interface name around

Bugzilla: https://bugzilla.redhat.com/show_bug.cgi?id=1465646
Upstream Status: iproute2.git commit 26111ab1dba82

commit 26111ab1dba820421ccaf283ac097a79b95023a2
Author: Phil Sutter <phil@nwl.cc>
Date:   Mon Oct 2 13:46:35 2017 +0200

ip{6, }tunnel: Avoid copying user-supplied interface name around

In both files' parse_args() functions as well as in iptunnel's do_prl() and do_6rd() functions, a user-supplied 'dev' parameter is uselessly copied into a temporary buffer before passing it to ll_name_to_index() or copying into a struct ifreq. Avoid this by just caching the argv pointer value until the later lookup/strcpy.
Signed-off-by: Phil Sutter <phil@nwl.cc>

---
ip/ip6tunnel.c | 6 +++---
ip/iptunnel.c | 22 +++++++++-------------
2 files changed, 12 insertions(+), 16 deletions(-)

diff --git a/ip/ip6tunnel.c b/ip/ip6tunnel.c
index b4a7def144226..c12d700e74189 100644
--- a/ip/ip6tunnel.c
+++ b/ip/ip6tunnel.c
@@ -136,7 +136,7 @@ static void print_tunnel(struct ip6_tnl_parm2 *p)
 static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
 {
  int count = 0;
-#char medium[IFNAMSIZ] = {};
+#const char *medium = NULL;

  while (argc > 0) {
    if (strcmp(*argv, "mode") == 0) {
@@ -180,7 +180,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
 memcpyp(&p->laddr, &laddr.data, sizeof(p->laddr));
 } else if (strcmp(*argv, "dev") == 0) {
    NEXT_ARG();
-#strcpy(medium, *argv, IFNAMSIZ - 1);
+#medium = *argv;
 } else if (strcmp(*argv, "encaplimit") == 0) {
    NEXT_ARG();
    if (strcmp(*argv, "none") == 0) {
@@ -285,7 +285,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
 count++;
 argc--; argv++;
 } 
-#if (medium[0]) {
+-if (medium) {
    p->link = ll_name_to_index(medium);
    if (p->link == 0) {
      fprintf(stderr, "Cannot find device \\n", medium);

diff --git a/ip/iptunnel.c b/ip/iptunnel.c
index 105d0f576f1a..0acf60793d3cd 100644
--- a/ip/iptunnel.c
+++ b/ip/iptunnel.c
@@ -60,7 +60,7 @@ static void set_tunnel_proto(struct ip_tunnel_parm *p, int proto)
 static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
 {
  int count = 0;
-#char medium[IFNAMSIZ] = {};
+-const char *medium = NULL;

---
int isatap = 0;

memset(p, 0, sizeof(*p));

if (strcmp(*argv, "dev") == 0) {
    NEXT_ARG();
    strncpy(medium, *argv, IFNAMSIZ - 1);
    *medium = *argv;
} else if (strcmp(*argv, "ttl") == 0 ||
    strcmp(*argv, "hoplimit") == 0 ||
    strcmp(*argv, "hlim") == 0) {
    @ @ -216,7 +216,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
}

-@ -465,9 +465,8 @@ static int do_prl(int argc, char **argv)
struct ip_tunnel_prl p = {};
int count = 0;
-devname = 0;
-int cmd = 0;
-char medium[IFNAMSIZ] = {};
-const char *medium = NULL;

while (argc > 0) {
    if (strcmp(*argv, "prl-default") == 0) {
        @ @ -488,8 +487,7 @@ static int do_prl(int argc, char **argv)
        count++;
    } else if (strcmp(*argv, "dev") == 0) {
        NEXT_ARG();
        strncpy(medium, *argv, IFNAMSIZ-1);
        devname++;
        *medium = *argv;
    } else {
        fprintf(stderr,
            "Invalid PRL parameter \"%s\"\n", *argv);
    }
    argc--; argv++;
}

@if (!medium) {

if (devname == 0) {

fprintf(stderr, "Must specify device\n");
exit(-1);
}
@@ -513,9 +511,8 @@ static int do_prl(int argc, char **argv)
static int do_6rd(int argc, char **argv)
{
    struct ip_tunnel_6rd ip6rd = {};
    -int devname = 0;
    int cmd = 0;
    -char medium[IFNAMSIZ] = {};
    +const char *medium = NULL;
    inet_prefix prefix;

    while (argc > 0) {
@@ -537,8 +534,7 @@ static int do_6rd(int argc, char **argv)
        cmd = SIOCDEL6RD;
    } else if (strcmp(*argv, "dev") == 0) {
        NEXT_ARG();
-            strncpy(medium, *argv, IFNAMSIZ-1);
-            devname++;
+            medium = *argv;
    } else {
        fprintf(stderr,
            "Invalid 6RD parameter \"\%s\"\n", *argv);
@@ -546,7 +542,7 @@ static int do_6rd(int argc, char **argv)
            }
        argc--; argv++;
    }
        -if (devname == 0) {
            +if (!medium) {
                fprintf(stderr, "Must specify device\n");
                exit(-1);
            }
@@ -511,9 +511,8 @@ 1.1404 gophercloud 0.12.0
1.1404.1 Available under license:

    package RESOURCE

    import "github.com/gophercloud/gophercloud"

    func listURL(client *gophercloud.ServiceClient) string {
        return client.ServiceURL("resource")
    }
func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
    ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return pagination.Pager{Err: err}
        }
        url += query
    }
    return pagination.Pager{
        Next: pagination.ANextLink{Link: url, Method: "GET"},
    }
}
  return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
})

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
  resp, err := client.Get(getURL(client, id), &r.Body, nil)
  _, r.Header, r.Err = gophercloud.ParseResponse(resp, err)
  return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
  ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
  return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
  b, err := opts.ToResourceCreateMap()
  if err != nil {
    r.Err = err
    return
  }
  resp, err := client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
    OkCodes: []int{201},
  })
  _, r.Header, r.Err = gophercloud.ParseResponse(resp, err)
  return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
  resp, err := client.Delete(deleteURL(client, id), nil)
  _, r.Header, r.Err = gophercloud.ParseResponse(resp, err)
  return
}
// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
    b, err := opts.ToResourceUpdateMap()
    if err != nil {
        r.Err = err
        return
    }
    resp, err := client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{200},
    })
    _, r.Header, r.Err = gophercloud.ParseResponse(resp, err)
    return
}

---

Step 1: Read Our Guides

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/.github/CONTRIBUTING.md): The Contributing guide is a detailed
document which describes the different ways you can contribute to Gophercloud
and how to get started. This tutorial you're reading is very similar to that
guide, but presented in a different way. We still recommend you read it over.

* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used
in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).
Step 7: Congratulations!

At this point your code is merged and you've either fixed a bug or added a new
We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```go
type Network struct {
    ID string `json:"id"`
    Name string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status string `json:"status"`
    Subnets []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared bool `json:"shared"
}
```

to look like

```go
type Network struct {
    ID string `json:"id"`
    Name string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status string `json:"status"`
    Subnets []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared bool `json:"shared"
    AvailabilityZoneHints []string `json:"availability_zone_hints"
}
```

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as
a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying that the API docs aren't useful or that the contributors who work on the API docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Code Hunting Tips

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

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.
* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

/*
Packages NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE
package testing

import (
   "fmt"
   "net/http"
   "testing"
   "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
   th "github.com/gophercloud/gophercloud/testhelper"
   "github.com/gophercloud/gophercloud/testhelper/client"
)

// ListResult provides a single page of RESOURCE results.
const ListResult = ``
{
}
`

// GetResult provides a Get result.
const GetResult = ``
{

// CreateRequest provides the input to a Create request.
const CreateRequest = `{
}
`

// UpdateRequest provides the input to an Update request.
const UpdateRequest = `{
}
`

// UpdateResult provides an update result.
const UpdateResult = `{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "GET")
th<TestHeader(t, r, "Accept", "application/json")
th.TestCheckHeader(t, r, "X-Auth-Token", client.TokenID)

w.Header().Set("Content-Type", "application/json")
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, ListResult)
})
}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "GET")
th.TestHeader(t, r, "Accept", "application/json")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.Header().Set("Content-Type", "application/json")
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, GetResult)
})
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "POST")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
th.TestJSONRequest(t, r, CreateRequest)
w.WriteHeader(http.StatusCreated)
fmt.Fprintf(w, GetResult)
})
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "DELETE")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
w.WriteHeader(http.StatusNoContent)
})
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "PATCH")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
th.TestJSONRequest(t, r, UpdateRequest)
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, UpdateResult)
})
}
package testing

import (
    "testing"
)

"github.com/gophercloud/gophercloud/openstack/service/vN/resources"
"github.com/gophercloud/gophercloud/pagination"
    "github.com/gophercloud/gophercloud/testhelper"
"github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        actual, err := resources.ExtractResources(page)
        th.AssertNoErr(t, err)
        th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
        return true, nil
    })
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)

    createOpts := resources.CreateOpts{
        Name: "resource two",
    }

    actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
    th.AssertNoErr(t, err)
}

func TestDeleteResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleDeleteResourceSuccessfully(t)

    res := resources.Delete(client.ServiceClient(), "9fe1d3")
    th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleUpdateResourceSuccessfully(t)

    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }

    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

Step 4: Acceptance Testing

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

If we haven’t started working on the feature or bug fix, why are we talking about Acceptance Testing now?
Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

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Step 2: Create an Issue

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is to start a discussion
about whether or not the feature should be included in Gophercloud. We don't want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call
If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.
Step 6: Code Review

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `:[wip]:` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).
Request a Code Review

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

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used).

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

Submitting Changes

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

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

It's Never Personal

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

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

Contributor Tutorial

====================
This tutorial is to help new contributors become familiar with the processes used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}
```
// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"`
            Previous string `json:"previous"`
        } `json:"links"`
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"`
    }
    err := (r.(ResourcePage)).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"`
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}

Step 5: Writing the Code

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

At this point, you should have:
- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests
----------------------

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.
The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/587
* https://github.com/gophercloud/gophercloud/pull/594

You can also use the provided [template](/docs/contributor-tutorial/template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request

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

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you
include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests
----------------------------------

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:
* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```
```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child
  Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

1.1405 golang-protobuf-extensions 1.0.1
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1.1410 perl-threads-shared 1.43-6.el7

1.1411 realm 0.16.1-5.el7

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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete—if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
Cheloha, Scott
ek, Vitezslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Fry singer, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
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Hutchings, Ben
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Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Jover, Guillem
Juhani, Timo
Kikuchi, Ayamura
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chernoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keecci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Kriznar, Tomislav
Marchal, Frédric
Margeviius, Algimantas
Maryanov, Pavel
The following people designed the artwork used on the sudo website:

- Shield logo: Badger, Trent
- Sandwich logo: Stillman, Mark

1.1416 binutils 2.27 34.base.el7

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparse opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn’t been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola’s opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner’s mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.
Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.1421 servlet-api 2.5

1.1422 openssh 6.6.1p1-25.el7_2
1.1422.1 Available under license :

/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $*/

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLRERR 0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#define POLLRNVAL 0x0020
#define POLLRDNORM 0x0040
#define POLLRNORMPOLLRDINORM
#define POLLWRNORM POLLOUT
#define POLLRBAND 0x0080
#define POLLWRBAND 0x0100


#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

diff -up openssh-6.6p1/sftp-server.8.sftp-force-mode openssh-6.6p1/sftp-server.8
--- openssh-6.6p1/sftp-server.8.sftp-force-mode 2013-10-15 03:07:05.000000000 +0200
+++ openssh-6.6p1/sftp-server.82015-04-20 14:04:47.427562510 +0200
@@ -38,6 +38,7 @@
 .Op Fl Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@ Sets an explicit
 .Xr umask 2
to be applied to newly-created files and directories, instead of the
user's default mask.
+.It Fl m Ar force_file_perms
+Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
.El
.Pp
For logging to work,
diff -up openssh-6.6p1/sftp-server.c.sftp-force-mode openssh-6.6p1/sftp-server.c
--- openssh-6.6p1/sftp-server.c.sftp-force-mode 2015-04-20 14:04:47.420562526 +0200
+++ openssh-6.6p1/sftp-server.c2015-04-20 14:07:13.799231025 +0200
@@ -71,6 +71,10 @@ static Buffer oqueue;
 /* Version of client */
 static u_int version;
+/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+
+/* SSH2_FXP_INIT received */
static int init_done;

@@ -675,6 +679,10 @@ process_open(u_int32_t id)
a = get_attrib();
flags = flags_from_portable(pflags);
mode = (a->flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a->perm : 0666;
+if (permforce == 1) { /* Force perm if -m is set */
+mode = permforcemode;
+(void)umask(0); /* so umask does not interfere */
+
} logit("open \"%s\" flags %s mode 0%o",
    name, string_from_portable(pflags), mode);
if (readonly &&
@@ -1430,7 +1438,7 @@ sftp_server_usage(void)
fprintf(stderr,
    "usage: %s [-ehR] [-d start_directory] [-f log_facility] 
    [-I log_level][n][t][-P blacklisted_requests] 
-    [-p whitelisted_requests] [-u umask]n"
+    [-p whitelisted_requests] [-u umask] [-m force_file_perms]n"
    "    %s -Q protocol_feature"
    __pro_name, __pro_name);
exit(1);
@@ -1455,7 +1463,7 @@ sftp_server_main(int argc, char **argv,
pw = pwcopy(user_pw);

while (!skipargs && (ch = getopt(argc, argv,
    switch (ch) {
    case 'Q':
        if (strcasecmp(optarg, "requests") != 0) {
@@ -1515,6 +1523,15 @@ sftp_server_main(int argc, char **argv,
fatal("Invalid umask \"%s\"", optarg);
(void)umask((mode_t)mask);
break;
+case 'm':
+/* Force permissions on file received via sftp */
+permforce = 1;
+permforcemode = strtol(optarg, &cp, 8);
+if (permforcemode < 0 || permforcemode > 0777 ||
+    *cp != '\0' || (permforcemode == 0 &&
+    errno != 0))
+fatal("Invalid file mode \"%s\"", optarg);
+break;
    case 'h':
    default:
sftp_server_usage();
/*/ $Id: bsd-setres_id.h,v 1.1 2012/11/05 06:04:37 dtucker Exp $ */

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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H
#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#endif
#define _BSD_WAITPID_H

#ifndef _BSD_WAITPID_H
#include <sys/stat.h>
#endif

/* Clean out any potential issues */
# undef WIFEXITED
# undef WIFSTOPPED
# undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int *)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
Wed, 13 Jan 2010 01:08:49 +0300.

It was downloaded from http://pamsshagentauth.sf.net/

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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
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Decoder code based on package encoding/json from the Go language.

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Test data based on the parse cases from https://github.com/json5/json5

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Decoder code based on package encoding/json from the Go language.

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Test data based on the parse cases from https://github.com/json5/json5

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github.com/stretchr/testify
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NekoHTML is a simple HTML scanner and tag balancer that enables application programmers to parse HTML documents and access the information using standard XML interfaces. The parser can scan HTML files and "fix up" many common mistakes that human (and computer) authors make in writing HTML documents. NekoHTML adds missing parent elements; automatically closes elements with optional end tags; and can handle mismatched inline element tags.

NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or rewriting code.

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BUILD: 2016-02-13 19:37:50+01:00
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### Jdom-contrib version 1.1.3

The JTS tests module contains source from JDOM Contrib 1.1.3 which is available under the Jdom License [1]. The two files are LineNumberElement.java and LineNumberSAXHandler.java.

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1.1430 bash 4.2.46 31.el7

1.1430.1 Available under license:

From specedt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: specedt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+ctwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from specedt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP
(8.6.10+ctwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from specedt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <specedt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~specedt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+ctwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu

Open Source Used In APIC-SE-BATMAN v2.0.1 16244
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.'' - Chaucer

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

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Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org/ for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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## Open Source Used In APIC-SE-BATMAN v2.0.1

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Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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Sockets
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The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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Asynchronous socket services
----------------------------

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

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UUencode and UUdecode functions
----------------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The :mod:`xmlrpc.client` module contains the following notice::

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    test_epoll
    ---------

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Select kqueue
-------------

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SipHash24
---------

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Original location:
   https://github.com/majek/csiphash/

Solution inspired by code from:
   Samuel Neves (supercop/crypto_auth/siphash24/little)
   djb (supercop/crypto_auth/siphash24/little2)
   Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
----------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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zlib
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-------
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1.1438 perl-pod-simple 3.28-4.el7

1.1439 opensaml-saml-api 3.3.0

1.1440 libaio 0.3.112-r1
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1.1443 attr 2.4.46-13.el7atomix1

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1.1451 pyliblzma 0.5.3-11.el7
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.1453 cracklib 2.9.6-15.el8
1.1453.1 Available under license:

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Version 2.1, February 1999

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^L

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This option is useful when you wish to copy part of the code of
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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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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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

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Copyright information:

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

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

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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

Attachments: Message as HTML

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

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

-- Nathan
=20

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

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

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=20
eir=20
applications are also GPL-2 which imo is just wrong. it isn't the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> > directly
> > and see if he wants to relicense his code as LGPL... but at this
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> > > it was enough to just get it consistent and documented as to what
> > it was
> > > released under. This wasn't actually a license change, just a
> > > clarification of the licensing that was already in place.
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> > the original license (before moving to sourceforge -- aka, 2.7) was
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> > unlike the old license, GPL-2 prevents people from using cracklib
> > unless their
> > applications are also GPL-2 which imo is just wrong. it isn't the
> > place of a
> > library to dictate to application writes what license they should
> > be using.
> > thus LGPL-2.1 enters to fill this void.
> > -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27
On Monday 28 January 2008, Nalin Dahyabhai wrote:

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

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

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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> the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
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> > make the change now ?
> >
> > yes. go for it. thanks++

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

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

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

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

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

-------------------------------------
From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
   for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
   for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)  

-a  

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

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

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

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

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

-- Nathan
=20
----------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33
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> it was enough to just get it consistent and documented as to what it was
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the original license (before moving to sourceforge -- aka, 2.7) was not
GPL-2 ... it was a modified artistic license ... i didn't notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
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applications are also GPL-2 which imo is just wrong. it isn't the place of =
a=20
library todictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
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=20
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> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
> =20
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> unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isn't the place of a library to dictate to application writes what license they should be using.

thus LGPL-2.1 enters to fill this void.

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@g...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
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In any case, I thank you both for working on sorting this out.

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Re: [Cracklib-devel] cracklib license
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Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

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Open Source Used In APIC-SE-BATMAN v2.0.1 16440
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Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
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   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu ([131.151.1.43]) by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
   for <nneul@umr.edu>; Mon,  1 Oct 2007 09:59:50 -0700 (PDT)
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
   for <nneul@neulinger.org>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)

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

Happy now? :-)

-a
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1.1456.1 Available under license:

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Version 2.1, February 1999

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Zstd-jni: JNI bindings to Zstd Library

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1.1471 kerb-server 1.1.0

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1.1477 tcp-dump 4.9.2 4.el7_7.1

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are not found in the data from sjp.pl. The tagset is similar to IPI PAN
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    analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fin/FinnishLightStemmer.java
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1.1486 libsepol 2.3-2

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1.1488 man-db 2.6.3 9.el7

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1.1489 ipmi-tool 1.8.18-9.el7_7.0atomix1

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1.1490 tcl 8.5.13-8.el7.0atomix1

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**1.1492 lua-cjson 2.1.0**

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**1.1493 selinux 2.3-2**

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1.1494 glibc 2.17-260.el7_6.5
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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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have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

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

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

Also, for each distributor's protection, we want to make certain
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Most GNU software, including some libraries, is covered by the ordinary
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license, the GNU Library General Public License, applies to certain
designated libraries. This license is quite different from the ordinary
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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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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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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.)

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

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

d) Verify that the user has already received a copy of these
materials or 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,
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components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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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 other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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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 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
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"Source code" for a work means the preferred form of the work for
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b) You must cause the files modified to carry prominent notices
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c) You must cause the whole of the work to be licensed at no
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d) If a facility in the modified Library refers to a function or a
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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
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application-supplied function or table used by this function must
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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/pool/DefaultMaxMessagesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
 * 
 * Sub-types
 * 
 * [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * 
 * <ul>
 *     <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 *     <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * 
 * <ul>
 *     <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events, </li>
 *     <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 *     <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 * </ul>
 * </p>
 * <p>
 * For more information, please refer to the documentation of each subtype.
 * 
 * */
* <h3>The context object</h3>
* <p>A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the {@link ChannelPipeline} it belongs to via a context object. Using the context object, the {@link ChannelHandler} can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
* A {@link ChannelHandler} often needs to store some stateful information. The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; { [pre]
*     private boolean loggedIn;
* 
*     { @code @Override
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* } [pre]
* Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}. [pre]
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;Channel&gt; { [pre]
*     { @code @Override
*     public void initChannel({@link Channel} channel) { [pre]

---

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* channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
* }  
* }
* 
* </pre>
* 
* <h4>Using {@link AttributeKey}s</h4>
* 
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [@link AttributeKey]s which is provided by
* [@link ChannelHandlerContext]:
* <pre>
* public interface Message {
*   // your methods here
* }
* 
* [@code @Sharable]
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]<@link Message> {  
*   private final {@link AttributeKey}<{@link Boolean}> auth =
*     AttributeKey.valueOf("auth").valueOf();
*   
*   {[@code @Override]
*     public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
*       attr = ctx.attr(auth);
*       if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) o);
*       } else instanceof GetDataMessage {
*         if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*           ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*       } else {
*         fail();
*       }
*     }
*     ...  
*   }
*   }
* 
*   </pre>
* 
* Now that the state of the handler is attached to the @link ChannelHandlerContext, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends [@link ChannelInitializer]<@link Channel> {  
*   private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*   
*   {[@code @Override]
*     public void initChannel(@link Channel) channel) {
*   
*       channel.pipeline().addLast("handler", <b>new DataServerHandler() SHARED</b>);
*     }
*   }
* 
*   </pre>
* 
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```java
*     channel.pipeline().addLast("handler", <b>SHARED</b>);
* }
* }
* </pre>
* 
* <h4>The {code @Sharable} annotation</h4>
* <p>
* In the example above which used an {link AttributeKey},
* you might have noticed the {code @Sharable} annotation.
* <p>
* If a {link ChannelHandler} is annotated with the {code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* </p>
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the {link ChannelHandler}, and
* {link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
* */
```

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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/socket/InternetProtocolFamily.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/DefaultFileRegion.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/local/package-info.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/oio/OioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/socket/DatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1.jar/io/netty/channel/RecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/Channel.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/ChannelPipelineException.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/ThreadPerChannelEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/oio/AbstractOioByteChannel.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/ChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/ChannelMetadata.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/socket/DatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/DefaultEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/bootstrap/AbstractBootstrap.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/bootstrap/ChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/oio/AbstractNioChannel.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/local/LocalEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/bootstrap/ServerBootstrap.java
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  jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/PendingBytesTracker.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
  jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/ImboundHandler.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/ChannelId.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-jar/io/netty/channel/DefaultChannelId.java
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jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/socket/nio/NioChannelOption.java
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 jar/io/netty/channel/DefaultChannelHandlerContext.java

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1.1508 zlib 1.2.3

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

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

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnrj.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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This package contains a modified version of ca-bundle.crt:

cia-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
 can be directly used with curl / libcurl / php_curl, or with
 an Apache+mod_ssl webserver for SSL client authentication.
 Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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/* BSD Kernel Data Access Library (libkvm) interface.

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 */

#define _KMEMUSER
#include "defs.h"
#include "cli/cli-cmds.h"
#include "command.h"
#include "frame.h"
#include "regcache.h"
#include "target.h"
#include "process-stratum-target.h"
#include "value.h"
#include "gdbcore.h"
#include "inferior.h" /* for get_exec_file */
#include "gdbthread.h"

#include <fcntl.h>
#include <kvm.h>
#ifdef HAVE_NLIST_H
#include <nlist.h>
#endif
#include <paths.h>
#include "readline/readline.h"
#include <sys/param.h>
#include <sys/proc.h>
#ifdef HAVE_SYS_USER_H
#include <sys/user.h>
#endif

#include "bsd-kvm.h"
/* Kernel memory device file. */
static const char *bsd_kvm_corefile;

/* Kernel memory interface descriptor. */
static kvm_t *core_kd;

/* Address of process control block. */
static struct pcb *bsd_kvm_paddr;

/* Pointer to architecture-specific function that reconstructs the
register state from PCB and supplies it to REGCACHE. */
static int (*bsd_kvm_supply_pcb)(struct regcache *regcache, struct pcb *pcb);

/* This is the ptid we use while we're connected to kvm. The kvm
target currently doesn't export any view of the running processes,
so this represents the kernel task. */
static ptid_t bsd_kvm_ptid;

/* The libkvm target. */
static const target_info bsd_kvm_target_info = {
"kvm",
N_("Kernel memory interface"),
N_("Use a kernel virtual memory image as a target."
Optionally specify the filename of a core dump."
)};

class bsd_kvm_target final : public process_stratum_target
{
public:
bsd_kvm_target () = default;

const target_info &info () const override
{ return bsd_kvm_target_info; }

void close () override;

void fetch_registers (struct regcache *, int) override;

enum target_xfer_status xfer_partial (enum target_object object,
const char *annex,
gdb_byte *readbuf,
const gdb_byte *writebuf,
ULONGEST offset, ULONGEST len,
ULONGEST *xfered_len) override;

void files_info () override;

bool thread_alive (ptid_t ptid) override;

const char *pid_to_str (ptid_t) override;
bool has_memory () override { return true; }
bool has_stack () override { return true; }
bool has_registers () override { return true; }
};

/* Target ops for libkvm interface. */
static bsd_kvm_target bsd_kvm_ops;

static void
bsd_kvm_target_open (const char *arg, int from_tty)
{
  char errbuf[_POSIX2_LINE_MAX];
  char *execfile = NULL;
  kvm_t *temp_kd;
  char *filename = NULL;

target_preopen (from_tty);

  if (arg)
    {
      char *temp;

      filename = tilde_expand (arg);
      if (filename[0] != '/')
        {
          temp = concat (current_directory, "/", filename, (char *)NULL);
          xfree (filename);
          filename = temp;
        }
    }

  execfile = get_exec_file (0);
  temp_kd = kvm_openfiles (execfile, filename, NULL,
    write_files ? O_RDWR : O_RDONLY, errbuf);
  if (temp_kd == NULL)
    error ("%s"), errbuf);

  bsd_kvm_corefile = filename;
  unpush_target (&bsd_kvm_ops);
  core_kd = temp_kd;
  push_target (&bsd_kvm_ops);

  add_thread_silent (bsd_kvm_ptid);
  inferior_ptid = bsd_kvm_ptid;

  target_fetch_registers (get_current_regcache (), -1);
reinit_frame_cache();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

void
bsd_kvm_target::close ()
{
if (core_kd)
{
    if (kvm_close (core_kd) == -1)
        warning (("%s"), kvm_geterr (core_kd));
    core_kd = NULL;
}

inferior_ptid = null_ptid;
discard_all_inferiors ();
}

static LONGEST
bsd_kvm_xfer_memory (CORE_ADDR addr, ULONGEST len, 
gdb_byte *readbuf, const gdb_byte *writebuf)
{
    ssize_t nbytes = len;

    if (readbuf)
        nbytes = kvm_read (core_kd, addr, readbuf, nbytes);
    if (writebuf && nbytes > 0)
        nbytes = kvm_write (core_kd, addr, writebuf, nbytes);
    return nbytes;
}

enum target_xfer_status
bsd_kvm_target::xfer_partial (enum target_object object, 
    const char *annex, gdb_byte *readbuf, 
    const gdb_byte *writebuf, 
    ULONGEST offset, ULONGEST len, ULONGEST *xfered_len)
{
    switch (object)
    {
    case TARGET_OBJECT_MEMORY:
        LONGEST ret = bsd_kvm_xfer_memory (offset, len, readbuf, writebuf);

        if (ret < 0)
            return TARGET_XFER_E_IO;
        else if (ret == 0)
            return TARGET_XFER_EOF;
        else
            return TARGET_XFER_E_EOF;
    ...
*xfered_len = (ULONGEST) ret;
return TARGET_XFER_OK;

{ /* Fetch process control block at address PADDR. */

static int
bsd_kvm_fetch_pcb (struct regcache *regcache, struct pcb *paddr)
{
struct pcb pcb;

if (kvm_read (core_kd, (unsigned long) paddr, &pcb, sizeof pcb) == -1)
    error (("%s"), kvm_geterr (core_kd));

gdb_assert (bsd_kvm_supply_pcb);
return bsd_kvm_supply_pcb (regcache, &pcb);
}

void
bsd_kvm_target::files_info ()
{
if (bsd_kvm_corefile && strcmp (bsd_kvm_corefile, _PATH_MEM) != 0)
    printf_filtered (_("Using the kernel crash dump %s.
"),
        bsd_kvm_corefile);
else
    printf_filtered (_("Using the currently running kernel.
"));
}

/* On dumping core, BSD kernels store the faulting context (PCB)
in the variable "dumppcb". */

void
bsd_kvm_target::fetch_registers (struct regcache *regcache, int regnum)
{
struct nlist nl[2];

if (bsd_kvm_paddr)
{
    bsd_kvm_fetch_pcb (regcache, bsd_kvm_paddr);
    return;
}

memset (nl, 0, sizeof nl);
nl[0].n_name = "_dumppcb";

if (kvm_nlist (core_kd, nl) == -1)
    error (("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
    {
        /* Found dumppcb. If it contains a valid context, return
         * immediately. */
        if (bsd_kvm_fetch_pcb (regcache, (struct pcb *) nl[0].n_value))
            return;
    }

/* Traditional BSD kernels have a process proc0 that should always
 * be present. The address of proc0's PCB is stored in the variable
 * "proc0paddr". */

memset (nl, 0, sizeof nl);
nl[0].n_name = "_proc0paddr";

if (kvm_nlist (core_kd, nl) == -1)
    error (("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
    {
        struct pcb *paddr;

        /* Found proc0paddr. */
        if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
            error (("%s"), kvm_geterr (core_kd));

        bsd_kvm_fetch_pcb (regcache, paddr);
        return;
    }

#ifdef HAVE_STRUCT_THREAD_TD_PCB
/* In FreeBSD kernels for 5.0-RELEASE and later, the PCB no longer
 * lives in `struct proc' but in `struct thread'. The `struct
 * thread' for the initial thread for proc0 can be found in the
 * variable "thread0". */

memset (nl, 0, sizeof nl);
nl[0].n_name = "_thread0";

if (kvm_nlist (core_kd, nl) == -1)
    error (("%s"), kvm_geterr (core_kd));
#endif
if (nl[0].n_value != 0)
{
    struct pcb *paddr;

    /* Found thread0. */
    nl[0].n_value += offsetof (struct thread, td_pcb);
    if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
      error ("%s", kvm_geterr (core_kd));

      bsd_kvm_fetch_pcb (regcache, paddr);
    return;
}
#endif

/* i18n: PCB == "Process Control Block". */
error (_("Cannot find a valid PCB"));
}

/* Kernel memory interface commands. */
struct cmd_list_element *bsd_kvm_cmdlist;

static void
bsd_kvm_cmd (const char *arg, int fromtty)
{
    /* ??? Should this become an alias for "target kvm"? */
}

#ifndef HAVE_STRUCT_THREAD_TD_PCB

static void
bsd_kvm_proc_cmd (const char *arg, int fromtty)
{
    CORE_ADDR addr;

    if (arg == NULL)
      error_no_arg (_("proc address"));

    if (core_kd == NULL)
      error (_("No kernel memory image."));

    addr = parse_and_eval_address (arg);
    ifdef HAVE_STRUCT_LWP
    addr += offsetof (struct lwp, l_addr);
    #else
    addr += offsetof (struct proc, p_addr);
    #endif
if (kvm_read (core_kd, addr, &bsd_kvm_paddr, sizeof bsd_kvm_paddr) == -1)
    error ("%s"), kvm_geterr (core_kd));

target_fetch_registers (get_current_regcache (), -1);

reinit_frame_cache ();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}
#endif

static void
bsd_kvm_pcb_cmd (const char *arg, int fromtty)
{
    if (arg == NULL)
        /* i18n: PCB == "Process Control Block". */
        error_no_arg (_("pcb address"));

    if (core_kd == NULL)
        error (_("No kernel memory image."));

    bsd_kvm_paddr = (struct pcb *)(u_long) parse_and_eval_address (arg);

    target_fetch_registers (get_current_regcache (), -1);

    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

bool
bsd_kvm_target::thread_alive (ptid_t ptid)
{
    return true;
}

const char *
bsd_kvm_target::pid_to_str (ptid_t ptid)
{
    static char buf[64];
    xsnprintf (buf, sizeof buf, "<kvm> ");
    return buf;
}

/* Add the libkvm interface to the list of all possible targets and
 register CUPPLY_PCB as the architecture-specific process control
 block interpreter. */

void
bsd_kvm_add_target (int (*supply_pcb)(struct regcache *, struct pcb *))
{
  gdb_assert (bsd_kvm_supply_pcb == NULL);
  bsd_kvm_supply_pcb = supply_pcb;

  add_target (bsd_kvm_target_info, bsd_kvm_target_open);

  add_prefix_cmd ("kvm", class obscure, bsd_kvm_cmd, _("Generic command for manipulating the kernel memory interface.");
  &bsd_kvm_cmdlist, "kvm ", 0, &cmdlist);

#ifdef HAVE_STRUCT_THREAD_TD_PCB
  add_cmd ("proc", class obscure, bsd_kvm_proc_cmd,
           _("Set current context from proc address"), &bsd_kvm_cmdlist);
#endif
add_cmd ("pcb", class obscure, bsd_kvm_pcb_cmd,
         _("Set current context from pcb address"), &bsd_kvm_cmdlist);

/* Some notes on the ptid usage on this target.

  The pid field represents the kvm inferior instance. Currently, we don't support multiple kvm inferiors, but we start at 1 anyway. The lwp field is set to != 0, in case the core wants to refer to the whole kvm inferior with ptid(1,0,0).

  If kvm is made to export running processes as gdb threads, the following form can be used:
  ptid (1, 1, 0) -> kvm inferior 1, in kernel
  ptid (1, 1, 1) -> kvm inferior 1, process 1
  ptid (1, 1, 2) -> kvm inferior 1, process 2
  ptid (1, 1, n) -> kvm inferior 1, process n */

  bsd_kvm_ptid = ptid_t (1, 1, 0);
}
#!/usr/bin/env python

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This script updates the list of years in the copyright notices in most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:
% filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.

import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!).  The names of
    the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in NOT_FSF_LIST
                    or reldirname in BY_HAND):
                    # Prune this directory from our search list.
                    dirs.remove(dirname)
            for filename in files:
                relpath = "%s/%s" % (root, filename)
                if (filename in EXCLUDE_ALL_LIST
                    or relpath in EXCLUDE_LIST
                    or relpath in NOT_FSF_LIST
                    or relpath in BY_HAND):
or relpath in BY_HAND):
    # Ignore this file.
    pass
else:
    result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    ""
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)

    for line in update_out:
        if line.endswith("\n"):
            line = line[:-1]
        if line.endswith(warning_string):
            filename = line[:-warning_len]
            if may_have_copyright_notice(filename):
                print line
        else:
            # Unrecognized file format. !!!
def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root directory.

    The algorithm is fairly crude, meaning that it might return some false positives. I do not think it will return any false negatives... We might improve this function to handle more complex cases later...
    """
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > 50:
            return False
    return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...

    if MULTIPLE_COPYRIGHT_HEADERS:
        print
        print(\033[31m"
            "REMINDER: Multiple copyright headers must be updated by hand:"
        \033[0m"

    print "*** " + line
"\033[0m")
for filename in MULTIPLE_COPYRIGHT_HEADERS:
    print "  ", filename

if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand." \\
    "\033[0m"
    for filename in BY_HAND:
        print "  ", filename

############################################################################
#
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
############################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (  
    'gdb/nat/glibc_thread_db.h',  
    'gdb/CONTRIBUTE',  
    'gdb/gnulib/import'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = (  
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",  
    "fddl.texi", "gpl.texi", "aclocal.m4",  
)

# The list of files to update by hand.
BY_HAND = (  
    # Nothing at the moment :-).  
)
# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.

MULTIPLE_COPYRIGHT_HEADERS = (
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.

NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accep.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hwsem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/simcallback.h", "sim/ppc/RUN", "sim/ppc/Makfile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dctest.01",
    "sim/ppc/hw_pcb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/decode_gen.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/lddecode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hwshm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
    "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
    "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
    "sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/decode_gen.c",
    "sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
    "sim/ppc/simcalls.c", "sim/ppc/dccomplex", "sim/ppc/ldcache.c",
    "sim/ppc/registers.h", "sim/ppc/dctest.02", "sim/ppc/options.c",
    "sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h", 
    "sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h"
if __name__ == '__main__':
    main()
BEGIN{
    FS="\"
    print "/* ==> Do not modify this file!!  " \n    "-*- buffer-read-only: t -*- vi" \n    ":set ro:";
    print '" It is created automatically by copying.awk.";
    print '" Modify copying.awk instead. <= *= */";
    print "";
    print "#include \"defs.h\"
    print "#include \"command.h\"
    print "#include \"gdbcmd.h\"
    print ""
    print "static void show_copying_command (const char *, int);";
    print ""
    print "static void show_warranty_command (const char *, int);";
    print ""
    print "static void";
    print "show_copying_command (const char *ignore, int from_tty);";
    print "";
NR == 1./*[ ]*/15\.
  Disclaimer of Warranty[ ]*/$/{
  if ($0 ~ //)
  {
    printf "  printf_filtered ("\n\n\n";
  }
  else if ($0 !~ /*[ ]*/15\.
  "Disclaimer of Warranty[ ]*/$/{
    printf "  printf_filtered ("\n;
    for (i = 1; i < NF; i++)
    printf "  printf_filtered ("%s\n" "$NF;
  }
}
  END	{
    print "};
    print ""
    print "static void"
    print "show_warranty_command (const char *ignore, int from_tty);
    print "{";
}
} /*[ ]*/15\. Disclaimer of Warranty[ ]*/$/{
  print ");"
  print ""
  print "void"
  print "_initialize_copying (void)\n"
  print "{";
  print "\"copying\", no_set_class, show_copying_command,\n"
  print "(_\"Conditions for redistributing copies of GDB\",\n"
  print " &showlist);\n"
  print "\"warranty\", no_set_class, show_warranty_command,\n"
  print "(_\"Various kinds of warranty you do not have\",\n"
  print " &showlist);\n"
  print "\"
  print "/\* For old-timers, allow \"info copying\", etc. */\n"
  print "add_info (\"copying\", show_copying_command,\n"
  print "(_\"Conditions for redistributing copies of GDB\",\n"
  print "add_info (\"warranty\", show_warranty_command,\n"
  print "(_\"Various kinds of warranty you do not have\")\n";
print "}";
}

/* Native-dependent code for modern i386 BSD's.

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/*

#ifndef I386_BSD_NAT_H
#define I386_BSD_NAT_H

/* Helper functions.  See definitions. */
extern void i386bsd_fetch_inferior_registers (struct regcache *regcache,
      int regnum);
extern void i386bsd_store_inferior_registers (struct regcache *regcache,
      int regnum);

/* A prototype *BSD/i386 target. */

template<typename BaseTarget>
class i386_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
public:
  void fetch_registers (struct regcache *regcache, int regnum) override
  { i386bsd_fetch_inferior_registers (regcache, regnum); }

  void store_registers (struct regcache *regcache, int regnum) override
  { i386bsd_store_inferior_registers (regcache, regnum); }
};
#endif /* i386-bsd-nat.h */

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/* Native-dependent code for modern AMD64 BSD's. 

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#ifndef AMD64_BSD_NAT_H
#define AMD64_BSD_NAT_H

#include "x86-bsd-nat.h"

/* Helper functions. See definitions. */
extern void amd64bsd_fetch_inferior_registers (struct regcache *regcache, int regnum);
extern void amd64bsd_store_inferior_registers (struct regcache *regcache, int regnum);
/* A prototype *BSD/AMD64 target. */

template<typename BaseTarget>
class amd64_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
public:
    void fetch_registers (struct regcache *regcache, int regnum) override
    { amd64bsd_fetch_inferior_registers (regcache, regnum); }

    void store_registers (struct regcache *regcache, int regnum) override
    { amd64bsd_store_inferior_registers (regcache, regnum); }
};

#endif /* i386-bsd-nat.h */

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Version 3, 29 June 2007

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*/

#ifndef X86_BSD_NAT_H
#define X86_BSD_NAT_H

#include "x86-nat.h"

/* Low level x86 XSAVE info. */
extern size_t x86bsd_xsave_len;

/* A prototype *BSD/x86 target. */

template<typename BaseTarget>
class x86bsd_nat_target : public x86_nat_target<BaseTarget>
{
    using base_class = x86_nat_target<BaseTarget>;
    public:
    #ifdef HAVE_PT_GETDBREGS
    void mourn_inferior () override
{ x86_cleanup_dregs ();
    base_class::mourn_inferior ();
}
#endif /* HAVE_PT_GETDBREGS */
};
#endif /* x86-bsd-nat.h */
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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.

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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addressed as "you".

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays 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) 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.

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

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@settitle GNU General Public License
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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these
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For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

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@enumerate 0
@item Definitions.
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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

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To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system.
(if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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

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

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

@item Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

@enumerate a
@item The work must carry prominent notices stating that you modified it, and giving a relevant date.
@item The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to “keep intact all notices”.
@item You must license the entire work, as a whole, under this License to
Anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- 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.

@item
Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

@item
Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item
Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

@end enumerate

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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[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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1.1530 glob 0.2.3
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tomb - support for clean goroutine termination in Go.

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In the appendix, we print the indices and references.

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Index Entry

Section

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Jump to: `C` | `P` | `T`
1.1543.1 Available under license:

import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

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1.1544 tablewriter 0.0.4

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1.1545 google-api-go-client 0.20.0

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package api

import (
"bytes"
"io/ioutil"
"os"
"path/filepath"
"regexp"
"testing"

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)(\.)*( All rights reserved.)*(//|#) Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.`)

const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
    "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }
        if err != nil {
            return err
        }

        if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
            return nil
        }

        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }

        // Verify that the license is matched.
        if !sentinel.Match(src) {
            t.Errorf("%v: license header not present", path)
            return nil
        }
    })
}
// Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
    t.Errorf("%v: license header not at the top", path)
} return nil
}
if err != nil {
    t.Fatal(err)
}

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#
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# same person when interacting with Rietveld.
#
# Please keep the list sorted.

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1.1546 commons-lang3 3.9

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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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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
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Date:
Please sign:

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Version: GnuPG v1.4.1 (Darwin)

iD8DBQFEnjfA9nwdoZUd8/ERArwdAJ4lzyXEi4zSIiJwEAxknGPhzMRswCfRsdI
RUlofBYmYpaETSqt2oLFU=
=Tr57
Apache Log4j API  
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.  
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

git

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

-----
Assorted

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Version: GnuPG v1.4.10 (GNU/Linux)
iQEcBAEBAgAGBQJQBBb4tAAoJEMHjhBmtgF9jHDcHl/2nQDPuPztWFrBifnEoLF6JlRUKfJzAPZaLDtDMfiDz7ucdRL1RDodmx4VIF2+fbKeBYQuZXfXieEghz+tKriK30M12guFkNLDeQpf9h2p3Zu9JU3K0y4m84IDWq72HRmh1nRyD6lZFbDGZ/D+69fFtgYG0FwEi00MAq/IRbsXHLpBOY+Jyh/Xy+QRnQTcAQ+tAgOIxd3w+JSs2sGdesYLAJQQacLeGh7EzD3F+CKiuwT4c5ub64LdXSlAVj1u2OjZBfqlaJ3FA60Ti+i3knFNWKpzaeX+SQgMak6hsuatXi6EsVk6sIaskwEgl6+Xk+HYWy23ZQ8BKQRLK0ZTw=gaQN
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Full name: James Strachan  
E-Mail: jstrachan@apache.org  
Mailing Address: 1A Leigh Road, London, UK, N5 1ST

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Version: GnuPG v1.4.1 (Darwin)
iD8DBQFD37/4dL6fIZr4c+6kRAtslAJ41tfd3lj4OMf6sIMfjfTOdYd71bxwCdGgWw
8sfMxEDZquIqhVbfZU2c76U=
=8WW7
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Version: GnuPG v1.4.3 (GNU/Linux)
iD8DBQFFoniQJvFus9dGQRAmJmAJwL5y1loonhVQIICsparvjHMQwqwCgiZFyLBDVaad1bJ1v1EHY901kPcg=
=6rqm
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Version: GnuPG v1.4.7 (Darwin)

iD8DBQFIZT2ToF6+5lwz4BsRAx3wAJ9puXC26Ns8nhFvTZ9oNwxDFV/DVACgnC80
VFUWPZfLOIesKao/tYNJIM=
=jC7I
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Schedule A

<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
</tr>
</tbody>
</table>

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# Contributions to the urllib3 project

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

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

* btoconnor <brian@btoconnor.net>
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* Thomas Weischuh <thomas@t-8ch.de>
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  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
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* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts
* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

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

* Danilo @dbrgn <http://dbrgn.ch/>
  * 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

* Josh Schneier <https://github.com/jschneier>
  * 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 <abacababadacaba@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.

* Alex Gaynor <alex.gaynor@gmail.com>
* Updates to the default SSL configuration

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

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2.10.2

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* org.eclipse.jetty.orbit:javax.security.auth.message

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.1569 cdebconf 0.249

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1.1570 grub 2.02-0.34.el7.centos

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From 3be166827ecb977a4d47ac4d3d89ec92688307a4 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH 085/143] * grub-core/loader/i386/bsd.c
(grub_netbsd_boot): Pass pointer to EFI system table.

---
 ChangeLog | 5 +++++
grub-core/loader/i386/bsd.c | 8 ++++++++ include/grub/i386/netbsd_bootinfo.h | 7 +++++++
3 files changed, 20 insertions(+)

diff --git a/ChangeLog b/ChangeLog
index abf8f4b..0cdd095 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,5 +1,10 @@
2014-06-21 Stephane Rochoy <sheda>
+* grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+EFI system table.
+
+2014-06-21 Stephane Rochoy <sheda>
+
+* grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef910..8f691e0 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@ -1145,6 +1145,14 @@ grub_netbsd_boot (void)
 if (err)
 return err;
+
+if (err)
+  return err;
+#ifdef GRUB_MACHINE_EFI
+  err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+    &grub_efi_system_table,
+    sizeof (grub_efi_system_table));
+  if (err)
+  return err;
  #endif
+}
struct bsd_tag *tag;
tag_buf_len = 0;
diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b..9b4f460 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@ -58,6 +58,8 @@
#define NETBSD_BTINFO_BOOTWEDGE 10
#define NETBSD_BTINFO_MODULES 11
#define NETBSD_BTINFO_FRAMEBUF 12
+#define NETBSD_BTINFO_USERCONFCOMMANDS 13
+#define NETBSD_BTINFO_EFI 14

struct grub_netbsd_bootinfo
{
@@ -146,4 +148,9 @@ struct grub_netbsd_btinfo_framebuf
#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

+struct grub_netbsd_btinfo_efi
+{
+  void *pa_systbl; /* Physical address of the EFI System Table */
+};
+.cloudflare
+
@end

1.9.3
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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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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
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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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1.1580 prometheus-client 1.1.0

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1.1584 adduser 3.118

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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.

Since March 24 2004, it is maintained by Roland Bauerschmidt <rb@debian.org>, and co-maintained by Marc Haber <mh+debian-packages@zugschlus.de>

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1.1585 klauspost-compress 1.9.4

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1.1586 xhandler 1.0.5

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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github.com/npat-efault/poller/LICENSE.txt
================
github.com/zyedidia/poller/LICENSE.txt (fork)
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github.com/zyedidia/glob

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github.com/stretchr/testify

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1.1596 diffutils 3.3 5.el7

1.1596.1 Available under license:

From RPM File Metadata:GPLv3+
/* diff - compare files line by line

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You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>. */

#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamescat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <prepargs.h>
#include <profilename.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS \
    proper_name ("Paul Eggert"), \
    proper_name ("Mike Haertel"), \
    proper_name ("David Hayes"), \
    proper_name ("Richard Stallman"), \
    proper_name ("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
    char *regexps;/* chars representing disjunction of the regexps */
    size_t len;/* chars used in 'regexps' */
size_t size; /* size malloc'ed for 'regexps'; 0 if not malloc'ed */
bool multiple_regexps; /* Does 'regexps' represent a disjunction? */
struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). */
  On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty
   (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s).
   Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
  "0123456789abC:deEfF:hi:IL:nNPqrsT:TuU:vwW:x:X:yZ";

/* Values for long options that do not have single-letter equivalents. */
enum
{ 
BINARY_OPTION = CHAR_MAX + 1,
FROM_FILE_OPTION,
HELP_OPTION,
HORIZON_LINES_OPTION,
IGNORE_FILE_NAME_CASE_OPTION,
INHIBIT_HUNK_MERGE_OPTION,
LEFT_COLUMN_OPTION,
LINE_FORMAT_OPTION,
NO_DEREFERENCE_OPTION,
NO_IGNORE_FILE_NAME_CASE_OPTION,
NORMAL_OPTION,
SDIFF_MERGE_ASSIST_OPTION,
STRIP_TRAILING_CR_OPTION,
SUPPRESS_BLANK_EMPTY_OPTION,
SUPPRESS_COMMON_LINES_OPTION,
TABSIZE_OPTION,
TO_FILE_OPTION,

/* These options must be in sequence. */
UNCHANGED_LINE_FORMAT_OPTION,
OLD_LINE_FORMAT_OPTION,
NEW_LINE_FORMAT_OPTION,

/* These options must be in sequence. */
UNCHANGED_GROUP_FORMAT_OPTION,
OLD_GROUP_FORMAT_OPTION,
NEW_GROUP_FORMAT_OPTION,
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{ 
  "--unchanged-group-format",
  "--old-group-format",
  "--new-group-format",
  "--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{ 
  "--unchanged-line-format",
  "--old-line-format",
  "--new-line-format"
};

static struct option const longopts[] =
{ 

{"tabsize", 1, 0, TABSIZE_OPTION},
{"text", 0, 0, 'a'},
{"to-file", 1, 0, TO_FILE_OPTION},
{"unchanged-group-format", 1, 0, UNCHANGED_GROUP_FORMAT_OPTION},
{"unchanged-line-format", 1, 0, UNCHANGED_LINE_FORMAT_OPTION},
{"unidirectional-new-file", 0, 0, 'P'},
{"unified", 2, 0, 'U'},
{"version", 0, 0, 'v'},
{"width", 1, 0, 'W'},
{0, 0, 0, 0}
};
/* Return a string containing the command options with which diff was invoked.
Spaces appear between what were separate ARGV-elements.
There is a space at the beginning but none at the end.
If there were no options, the result is an empty string.
Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT,
the length of that vector. */
static char *
option_list (char **optionvec, int count)
{
int i;
size_t size = 1;
char *result;
char *p;
for (i = 0; i < count; i++)
size += 1 + shell_quote_length (optionvec[i]);
p = result = xmalloc (size);
for (i = 0; i < count; i++)
{
*p++ = ' ';
p = shell_quote_copy (p, optionvec[i]);
}
*p = '\0';
return result;
}

/* Return an option value suitable for add_exclude. */
static int
exclude_options (void)

Open Source Used In APIC-SE-BATMAN v2.0.1 18024


int main (int argc, char **argv)
{
    int exit_status = EXIT_SUCCESS;
    int c;
    int i;
    int prev = -1;
    lin ocontext = -1;
    bool explicit_context = false;
    size_t width = 0;
    bool show_c_function = false;
    char const *from_file = NULL;
    char const *to_file = NULL;
    uintmax_t numval;
    char *numend;

    /* Do our initializations. */
    exit_failure = EXIT_TROUBLE;
    initialize_main (&argc, &argv);
    set_program_name (argv[0]);
    setlocale (LC_ALL, "");
    bindtextdomain (PACKAGE, LOCALEDIR);
    textdomain (PACKAGE);
    c_stack_action (0);
    function_regexp_list.buf = &function_regexp;
    ignore_regexp_list.buf = &ignore_regexp;
    re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
    excluded = new_exclude ();

    /* Decode the options. */
    while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
    {
        switch (c)
        {
        case 0:
            break;

        case '0':
        case '1':
        case '2':
        case '3':
        case '4':
        case '5':
case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
        else if (LIN_MAX / 10 < ocontext
            || ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;

    case 'a':
        text = true;
        break;

    case 'b':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space = IGNORE_SPACE_CHANGE;
        break;

    case 'Z':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space |= IGNORE_TRAILING_SPACE;
        break;

    case 'B':
        ignore_blank_lines = true;
        break;

    case 'C':
    case 'U':
        {
            if (optarg)
            {
                numval = strtoumax (optarg, &numend, 10);
                if (*numend)
                    try_help ("invalid context length "'\%s"", optarg);
                if (LIN_MAX < numval)
                    numval = LIN_MAX;
            }
            else
                numval = 3;

            specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
            if (context < numval)
                context = numval;
            explicit_context = true;
        }
break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;

case 'D':
    specify_style (OUTPUTIFDEF);
    {
        static char const C_ifdef_group_formats[] =
            "%%=%c#ifndef %s
            %%<#endif /* ! %s */
            %c#ifdef %s
            %%>#endif /* %s */
            %c#ifndef %s
            %%<#else /* %s */
            %%>#endif /* %s */
        ";
        char *b = xmalloc (sizeof C_ifdef_group_formats
            + 7 * strlen (optarg) - 14 /* 7*"%s" */
            - 8 /* 5*"%%" + 3*"%c" */);
        sprintf (b, C_ifdef_group_formats,
            optarg, optarg, 0,
            optarg, optarg, optarg,
            optarg, optarg, optarg);
        for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
            specify_value (&group_format[i], b, "-D");
        b += strlen (b) + 1;
    }
    break;

case 'e':
    specify_style (OUTPUT_ED);
    break;

case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TABExpansion;
    break;

case 'F':
    specify_style (OUTPUT_FORWARD_ED);
    break;

case 'F':
add_regexp (&function_regexp_list, optarg);
break;

case 'h':
    /* Split the files into chunks for faster processing.
       Usually does not change the result.

       This currently has no effect. */
    break;

case 'H':
    speed_large_files = true;
    break;

case 'i':
    ignore_case = true;
    break;

case 'I':
    add_regexp (&ignore_regexp_list, optarg);
    break;

case 'l':
    if (!pr_program[0])
        try_help("pagination not supported on this host", NULL);
    paginate = true;
#ifndef SIGCHLD
    /* Pagination requires forking and waiting, and
       System V fork+wait does not work if SIGCHLD is ignored. */
    signal(SIGCHLD, SIG_DFL);
#endif
    break;

case 'L':
    if (!file_label[0])
        file_label[0] = optarg;
    else if (!file_label[1])
        file_label[1] = optarg;
    else
        fatal("too many file label options");
    break;

case 'n':
    specify_style (OUTPUT_RCS);
    break;

case 'N':
    new_file = true;
break;

case 'p':
    show_c_function = true;
    add_regexp (&function_regexp_list, "^[[:alpha:]]\$\"]");
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
    break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value (&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
        AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
ignore_white_space = IGNORE_ALL_SPACE;
break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
        exclude_options (), '
'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid width '%s", optarg);
    if (width != numval)
        {
        if (width)
            fatal ("conflicting width options");
        width = numval;
        }
    break;

case BINARY_OPTION:
    #if O_BINARY
    binary = true;
    if (! isatty (STDOUT_FILENO))
        set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage ()
    check_stdout ();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
if (*numend)
    try_help("invalid horizon length \"%s\", optarg);
horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
     * compatibility. */
    break;

case LEFT_COLUMN_OPTION:
    left_column = true;
    break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME_CASE OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRUNCATING CR OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY OPTION:
    suppress_blank_empty = true;
    break;
case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = strtolmax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize "'%s'", optarg);
    if (tabsize != numval)
        {
            if (tabsize)
                fatal ("conflicting tabsize options");
            tabsize = numval;
        }
    break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
    case OLD_LINE_FORMAT_OPTION:
    case NEW_LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_LINE_FORMAT_OPTION;
    specify_value (&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
    case OLD_GROUP_FORMAT_OPTION:
    case NEW_GROUP_FORMAT_OPTION:
    case CHANGED_GROUP_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_GROUP_FORMAT_OPTION;
    specify_value (&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help (NULL, NULL);
    }
    prev = c;
    }

if (output_style == OUTPUT_UNSPECIFIED)
    {
        if (show_c_function)
specify_style (OUTPUT_CONTEXT);
if (ocontext < 0)
    context = 3;
else
    specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
#if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \  
    || defined HAVE_STRUCT_STAT_ST_SPARE1)
    time_format = "%Y-%m-%d %H:%M:%S, %N %z";
#else
    time_format = "%Y-%m-%d %H:%M:%S %z";
#endif

#else
    /* See POSIX 1003.1-2001 for this format. */
    time_format = "%a %b %e %T %Y";
#endif
}
else
{
/* Maximize first the half line width, and then the gutter width, 
according to the following constraints:

1. Two half lines plus a gutter must fit in a line.
2. If the half line width is nonzero:
   a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
   b. If tabs are not expanded to spaces,
      a half line plus a gutter is an integral number of tabs,
      so that tabs in the right column line up. */

    intmax_t t = expand_tabs ? 1 : tabsize;
    intmax_t w = width;
    
    if (!tabsize)
        tabsize = 8;
    if (!width)
        width = 130;
    
    if (ocontext
        & (output_style == OUTPUT_CONTEXT 
            || output_style == OUTPUT_UNIFIED)
            && (ocontext < context &
                & ! explicit_context))
        context = ocontext;

    /* Maximize first the half line width, and then the gutter width, 

    according to the following constraints:

    1. Two half lines plus a gutter must fit in a line.
    2. If the half line width is nonzero:
       a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
       b. If tabs are not expanded to spaces,
          a half line plus a gutter is an integral number of tabs,
          so that tabs in the right column line up. */

    intmax_t t = expand_tabs ? 1 : tabsize;
    intmax_t w = width;
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;

diff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
diff_column2_offset = diff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
   horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
{
   for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
      if (!line_format[i])
         line_format[i] = "%\n";
      if (!group_format[OLD])
         group_format[OLD]
            = group_format[CHANGED] ? group_format[CHANGED] : "%<";
      if (!group_format[NEW])
         group_format[NEW]
            = group_format[CHANGED] ? group_format[CHANGED] : "%>";
      if (!group_format[UNCHANGED])
         group_format[UNCHANGED] = "%=";
      if (!group_format[CHANGED])
         group_format[CHANGED] = concat (group_format[OLD],
             group_format[NEW], "");
}

no_diff_means_no_output =
   (output_style == OUTPUT_IFDEF ?
      (!*group_format[UNCHANGED]
       || (STREQ (group_format[UNCHANGED], "%=")
           && !*line_format[UNCHANGED])))
   : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
   (brief & binary
    & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
    | (ignore_regexp_list.regexps || ignore_white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
   if (to_file)
fatal ("--from-file and --to-file both specified");
   else
   for (; optind < argc; optind++)
   {
      int status = compare_files (NULL, from_file, argv[optind]);
      if (exit_status < status)
         exit_status = status;
   }
   }
else
   {
   if (to_file)
   for (; optind < argc; optind++)
   {
      int status = compare_files (NULL, argv[optind], to_file);
      if (exit_status < status)
         exit_status = status;
   }
   else
   {
   if (argc - optind != 2)
   {
      if (argc - optind < 2)
         try_help ("missing operand after "\"%%s\", argv[argc - 1]);
      else
         try_help ("extra operand "\"%%s\", argv[optind + 2]);
   }
   exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
   }
/* Print any messages that were saved up for last. */
print_message_queue ();

   check_stdout ();
   exit (exit_status);
   return exit_status;
}

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
   size_t patlen = strlen (pattern);
   char const *m = re_compile_pattern (pattern, patlen, reglist->buf);
if (m != 0)
    error (0, 0, "%s: %s", pattern, m);
else
{
    char *regexps = reglist->regexps;
    size_t len = reglist->len;
    bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
    size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
    size_t size = reglist->size;

    if (size <= newlen)
    {
        if (!size)
            size = 1;

        do size *= 2;
        while (size <= newlen);

        reglist->size = size;
        reglist->regexps = regexps = xrealloc (regexps, size);
    }
    if (multiple_regexps)
    {
        regexps[len++] = '\';
        regexps[len++] = '|';
    }
    memcpy (regexps + len, pattern, patlen + 1);
}

/* Ensure that REGLIST represents the disjunction of its regexps.  
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
        /* At least one regexp was specified.  Allocate a fastmap for it. */
        reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
        if (reglist->multiple_regexps)
        {
            /* Compile the disjunction of the regexps.  
               (If just one regexp was specified, it is already compiled.) */
            char const *m = re_compile_pattern (reglist->regexps, reglist->len, reglist->buf);
            if (m)
                error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
        }
    }
}
}
}
}
static void
try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."),
program_name);
abort ();
}
static void
check_stdout (void)
{
if (ferror (stdout))
fatal ("write failed");
else if (fclose (stdout) != 0)
pfatal_with_name (_("standard output"));
}
static char const * const option_help_msgid[] = {
N_(" --normal
output a normal diff (the default)"),
N_("-q, --brief
report only when files differ"),
N_("-s, --report-identical-files report when two files are the same"),
N_("-c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context"),
N_("-u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context"),
N_("-e, --ed
output an ed script"),
N_("-n, --rcs
output an RCS format diff"),
N_("-y, --side-by-side
output in two columns"),
N_("-W, --width=NUM
output at most NUM (default 130) print columns"),
N_(" --left-column
output only the left column of common lines"),
N_(" --suppress-common-lines do not output common lines"),
"",
N_("-p, --show-c-function
show which C function each change is in"),
N_("-F, --show-function-line=RE show the most recent line matching RE"),
N_(" --label LABEL
use LABEL instead of file name\n"
"
(can be repeated)"),
"",
N_("-t, --expand-tabs
expand tabs to spaces in output"),
N_("-T, --initial-tab
make tabs line up by prepending a tab"),
N_(" --tabsize=NUM
tab stops every NUM (default 8) print columns"),
N_(" --suppress-blank-empty suppress space or tab before empty output lines"),
N_("-l, --paginate
pass output through 'pr' to paginate it"),
"",
N_("-r, --recursive
recursively compare any subdirectories found"),

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N_("--no-dereference don't follow symbolic links"),
N_("--new-file treat absent files as empty"),
N_("--unidirectional-new-file treat absent first files as empty"),
N_("--ignore-file-name-case ignore case when comparing file names"),
N_("--no-ignore-file-name-case consider case when comparing file names"),
N_("-x, --exclude=FILE exclude files that match PAT"),
N_("--exclude-from=FILE exclude files that match any pattern in FILE"),
N_("--starting-file=FILE start with FILE when comparing directories"),
N_("--from-file=FILE1 compare FILE1 to all operands;\n" FILE1 can be a directory"),
N_("--to-file=FILE2 compare all operands to FILE2;\n" FILE2 can be a directory"),

N_("-i, --ignore-case ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space ignore white space at line end"),
N_("-b, --ignore-space-change ignore changes in the amount of white space"),
N_("-w, --ignore-all-space ignore all white space"),
N_("-B, --ignore-blank-lines ignore changes where lines are all blank"),
N_("--ignore-matching-lines=RE ignore changes where all lines match RE"),

N_("-a, --text treat all files as text"),
N_("--strip-trailing-cr strip trailing carriage return on input"),
#if O_BINARY
N_("--binary read and write data in binary mode"),
#endif

N_("--ifdef=NAME output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT format GTYPE input groups with GFMT"),
N_("--line-format=LFMT format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT format LTYPE input lines with LFMT"),
N_("These format options provide fine-grained control over the output:\n" of diff, generalizing -D/--ifdef.),
N_("LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_("GFMT (only) may contain:\n%< lines from FILE1\n%> lines from FILE2\n%= lines common to FILE1 and FILE2\n%-}[\[WIDTH|][\[PREC]][\[doxX]LETTER printf-style spec for LETTER\nLETTERs are as follows for new group, lower case for old group:\nF first line number\nL last line number\nN number of lines = L-F+1\nE F-1\nM L+1\n%(A=B?T:E) if A equals B then T else E"),
N_("LFMT (only) may contain:\n%L contents of line\n")
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Both GFMT and LFMT may contain:

- The single character C
- The character with octal code OOO
- The character C (other characters represent themselves)

Usage:

```
Usage: %s [OPTION]... FILES
```

```
Mandatory arguments to long options are mandatory for short options too.
```

Static void

```
static void
```

```c
for (p = option_help_msgid; *p; p++)
```

```c
if (!**p)
```

```c
putchar ("\n");
```

```c
else
```

```c
char const *msg = _(*p);
```

```c
```

```c
char const *nl;
```

```c
while ((nl = strchr (msg, "\n")))
```

```c
int msglen = nl + 1 - msg;
```

```c
printf (" %s", msglen, msg);
```

```c
msg = nl + 1;
```
printf (" %s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
}
}
emit_bug_reporting_address ();
}
/* Set VAR to VALUE, reporting an OPTION error if this is a
conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
if (*var && ! STREQ (*var, value))
{
error (0, 0, _("conflicting %s option value '%s'"), option, value);
try_help (NULL, NULL);
}
*var = value;
}
/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
if (output_style != style)
{
if (output_style != OUTPUT_UNSPECIFIED)
try_help ("conflicting output style options", NULL);
output_style = style;
}
}
/* Set the last-modified time of *ST to be the current time. */
static void
set_mtime_to_now (struct stat *st)
{
#ifdef STAT_TIMESPEC
gettime (&STAT_TIMESPEC (st, st_mtim));
#else
struct timespec t;
gettime (&t);
st->st_mtime = t.tv_sec;
# if defined STAT_TIMESPEC_NS
STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
# elif defined HAVE_STRUCT_STAT_ST_SPARE1
st->st_spare1 = t.tv_nsec / 1000;
# endif

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#endif

/ * Compare two files (or dirs) with parent comparison PARENT and names NAME0 and NAME1.
   (If PARENT is null, then the first name is just NAME0, etc.)
   This is self-contained; it opens the files and closes them.

   Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if different, EXIT_TROUBLE if there is a problem opening them. */

static int compare_files (struct comparison const *parent,
    char const *name0,
    char const *name1)
{
    struct comparison cmp;
    #define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
    register int f;
    int status = EXIT_SUCCESS;
    bool same_files;
    char *free0;
    char *free1;

    /* If this is directory comparison, perhaps we have a file
       that exists only in one of the directories.
       If so, just print a message to that effect. */

    if (! ((name0 && name1)
        || (unidirectional_new_file && name1)
        || new_file))
    {
        char const *name = name0 ? name0 : name1;
        char const *dir = parent->file[!name0].name;

        /* See POSIX 1003.1-2001 for this format. */
        message ("Only in %s: %s\n", dir, name);

        /* Return EXIT_FAILURE so that diff_dirs will return
        EXIT_FAILURE ("some files differ"). */
        return EXIT_FAILURE;
    }

    memset (cmp.file, 0, sizeof cmp.file);
    cmp.parent = parent;

    /* cmp.file[f].desc markers */
    #define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp/file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp/file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */
if (!name0)
    name0 = name1;
if (!name1)
    name1 = name0;

if (!parent)
    {
    free0 = NULL;
    free1 = NULL;
    cmp/file[0].name = name0;
    cmp/file[1].name = name1;
    }
else
    {
    cmp/file[0].name = free0
    = file_name_concat (parent->file[0].name, name0, NULL);
    cmp/file[1].name = free1
    = file_name_concat (parent->file[1].name, name1, NULL);
    }

/* Stat the files. */
for (f = 0; f < 2; f++)
    {
    if (cmp/file[f].desc != NONEXISTENT)
    {
    if (f && file_name_cmp (cmp/file[f].name, cmp/file[0].name) == 0)
        {
        cmp/file[f].desc = cmp/file[0].desc;
        cmp/file[f].stat = cmp/file[0].stat;
        }
    else if (STREQ (cmp/file[f].name, ".-"))
        {
        cmp/file[f].desc = STDIN_FILENO;
        if (binary && ! isatty (STDIN_FILENO))
            set_binary_mode (STDIN_FILENO, O_BINARY);
        if (fstat (STDIN_FILENO, &cmp/file[f].stat) != 0)
            cmp/file[f].desc = ERRNO_ENCODE (errno);
        }
else
{
  if (S_ISREG (cmp.file[f].stat.st_mode))
  {
    off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
    if (pos < 0)
      cmp.file[f].desc = ERRNO_ENCODE (errno);
    else
      cmp.file[f].stat.st_size =
        MAX (0, cmp.file[f].stat.st_size - pos);
  }

  /* POSIX 1003.1-2001 requires current time for
   * stdin. */
  set_mtime_to_now (&cmp.file[f].stat);
}
}
else if ((no_dereference_symlinks
? lstat (cmp.file[f].name, &cmp.file[f].stat)
  : stat (cmp.file[f].name, &cmp.file[f].stat))
  != 0)
  cmp.file[f].desc = ERRNO_ENCODE (errno);
}

/* Mark files as nonexistent as needed for -N and -P, if they are
inaccessible empty regular files (the kind of files that 'patch'
creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
  if (((new_file || (f == 0 && unidirectional_new_file))
      && (cmp.file[f].desc == UNOPENED
          ? (S_ISREG (cmp.file[f].stat.st_mode)
              && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
              && cmp.file[f].stat.st_size == 0)
              : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
                  || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
                  && ! parent
                  && (cmp.file[1 - f].desc == UNOPENED
                      || cmp.file[1 - f].desc == STDIN_FILENO)))
      cmp.file[f].desc = NONEXISTENT;

for (f = 0; f < 2; f++)
  if (cmp.file[f].desc == NONEXISTENT)
  {
    memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
    cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
  }
for (f = 0; f < 2; f++)
{
    int e = ERRNO_DECODE (cmp.file[f].desc);
    if (0 <= e)
    {
        errno = e;
        perror_with_name (cmp.file[f].name);
        status = EXIT_TROUBLE;
    }
}

if (status == EXIT_SUCCESS && ! parent && ! DIR_P (0) != DIR_P (1))
{
    /* If one is a directory, and it was specified in the command line,
    use the file in that dir with the other file's basename. */

    int fnm_arg = DIR_P (0);
    int dir_arg = 1 - fnm_arg;
    char const *fnm = cmp.file[fnm_arg].name;
    char const *dir = cmp.file[dir_arg].name;
    char const *filename = cmp.file[dir_arg].name = free0
    = find_dir_file_pathname (dir, last_component (fnm));

    if (STREQ (fnm, "-"))
        fatal ("cannot compare '-' to a directory");

    if ((no_dereference_symlinks
         ? lstat (filename, &cmp.file[dir_arg].stat)
         : stat (filename, &cmp.file[dir_arg].stat))
        != 0)
    {
        perror_with_name (filename);
        status = EXIT_TROUBLE;
    }
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
         && cmp.file[1].desc == NONEXISTENT)
{
    /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
= (cmp.file[0].desc != NONEXISTENT
   && cmp.file[1].desc != NONEXISTENT
   && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
   && same_file_attributes (&cmp.file[0].stat,
   &cmp.file[1].stat))
   && no_diff_means_no_output)
   {
      /* The two named files are actually the same physical file.
         We know they are identical without actually reading them. */
   }
else if (DIR_P (0) & DIR_P (1))
   {
      if (output_style == OUTPUT_IFDEF)
         fatal ("-D option not supported with directories");

      /* If both are directories, compare the files in them. */

      if (parent && !recursive)
         {
         /* But don't compare dir contents one level down
            unless -r was specified.
            See POSIX 1003.1-2001 for this format. */
         message ("Common subdirectories: %s and %s\n",
                   cmp.file[0].name, cmp.file[1].name);
         }
      else
         status = diff_dirs (&cmp, compare_files);
   }
else if ((DIR_P (0) | DIR_P (1))
         || (parent
             && !((S_ISREG (cmp.file[0].stat.st_mode)
                   || S_ISLNK (cmp.file[0].stat.st_mode))
             && (S_ISREG (cmp.file[1].stat.st_mode)
                   || (S_ISLNK (cmp.file[1].stat.st_mode))))))
   {
      if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
         {
         /* We have a subdirectory that exists only in one directory. */
         
         if ((DIR_P (0) | DIR_P (1))
             && recursive
             && (new_file
                 || (unidirectional_new_file
                     && cmp.file[0].desc == NONEXISTENT)))
            status = diff_dirs (&cmp, compare_files);
         else
            {
               char const *dir;
/* PARENT must be non-NULL here. */
assert (parent);
dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

/* See POSIX 1003.1-2001 for this format. */
message("Only in %s: %s\n", dir, name0);

status = EXIT_FAILURE;
}
}
else

/* We have two files that are not to be compared. */

/* See POSIX 1003.1-2001 for this format. */
message5("File %s is a %s while file %s is a %s\n", 
    file_label[0] ? file_label[0] : cmp.file[0].name, 
    file_type(&cmp.file[0].stat), 
    file_type(&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
}
else if (S_ISLNK(cmp.file[0].stat.st_mode)
    || S_ISLNK(cmp.file[1].stat.st_mode))
{
    /* We get here only if we use lstat(), not stat(). */
    assert(!no_dereference_symlinks);

    if (S_ISLNK(cmp.file[0].stat.st_mode)
        && S_ISLNK(cmp.file[1].stat.st_mode))
    {
        /* Compare the values of the symbolic links. */
        char *link_value[2] = { NULL, NULL };

        for (f = 0; f < 2; f++)
        {
            link_value[f] = xreadlink(cmp.file[f].name);
            if (link_value[f] == NULL)
            {
                perror_with_name(cmp.file[f].name);
                status = EXIT_TROUBLE;
                break;
            }
        }
    }
if (status == EXIT_SUCCESS)
{
    if (!STREQ(link_value[0], link_value[1]))
    {
        message("Symbolic links %s and %s differ\n",
                cmp.file[0].name, cmp.file[1].name);
        /* This is a difference. */
        status = EXIT_FAILURE;
    }
}
    for (f = 0; f < 2; f++)
        free(link_value[f]);
else
{
    /* We have two files that are not to be compared, because one of them is a symbolic link and the other one is not. */
    message5("File %s is a %s while file %s is a %s\n",
               file_label[0] ? file_label[0] : cmp.file[0].name,
               file_type(&cmp.file[0].stat),
               file_type(&cmp.file[1].stat));
    /* This is a difference. */
    status = EXIT_FAILURE;
}
else if (files_can_be_treated_as_binary
    && S_ISREG(cmp.file[0].stat.st_mode)
    && S_ISREG(cmp.file[1].stat.st_mode)
    && cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
    { 
        message("Files %s and %s differ\n",
                file_label[0] ? file_label[0] : cmp.file[0].name,
        status = EXIT_FAILURE;
    }
else
{
    /* Both exist and neither is a directory. */
    /* Open the files and record their descriptors. */
    int oflags = O_RDONLY | (binary ? O_BINARY : 0);
    if (cmp.file[0].desc == UNOPENED)
if ((cmp.file[0].desc = open(cmp.file[0].name, oflags, 0)) < 0)
perror_with_name (cmp.file[0].name);
status = EXIT_TROUBLE;
}
if (cmp.file[1].desc == UNOPENED)
{
if (same_files)
    cmp.file[1].desc = cmp.file[0].desc;
else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
    {
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
    }
}
/* Compare the files, if no error was found. */
if (status == EXIT_SUCCESS)
status = diff_2_files (&cmp);
/* Close the file descriptors. */
if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{
    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc && close (cmp.file[1].desc) != 0)
{
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
}
/* Now the comparison has been done, if no error prevented it, and STATUS is the value this function will return. */
if (status == EXIT_SUCCESS)
{
    if (report_identical_files && !DIR_P (0))
message ("Files %s and %s are identical
", file_label[0] ? file_label[0] : cmp.file[0].name,
    }
else
{
    /* Flush stdout so that the user sees differences immediately.
*/
}
This can hurt performance, unfortunately. */
if (fflush (stdout) != 0)
pfatal_with_name (_("standard output"));
}

free (free0);
free (free1);

return status;

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Version 3, 29 June 2007

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Preamble

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</tr>
</tbody>
</table>

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<thead>
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<th>License</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>Bitmap image (image/jpeg)</td>
</tr>
<tr>
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Protocol Buffers for Go with Gadgets

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ffjson
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  jar/org/springframework/plugin/metadata/AbstractMetadataBasedPlugin.java

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1.1615 jackson-dataformat-yaml 2.10.2
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1.1620 cpuid 1.2.0

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1.1629 swagger-core 2.1.2

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Manifest-Version: 1.0
Automatic-Module-Name: io.swagger.v3.core
Bnd-LastModified: 1585747900398
Build-Jdk: 1.8.0_151
Built-By: frantuma
Bundle-Description: Sonatype helps open source projects to set up Maven repositories on https://oss.sonatype.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: swagger-core
Bundle-SymbolicName: io.swagger.core.v3.swagger-core
Bundle-Version: 2.1.2
Created-By: Apache Maven Bundle Plugin
This package was written by Peter Tobias <tobias@et-inf.fho-emden.de> on Thu, 16 Jan 1997 01:00:34 +0100.

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. The file `src/libs/snprintf/snprintf.c`, written by Mark Martinec
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The original package can be found at

src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
Macro Packages
--------------

The -mdoc macro set, using the BSD license.

tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

The -me macro set, using the BSD license.

tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meref.me

Hyphenation Patterns
---------------------

The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'.

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```python
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One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

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1.1640 swagger-parser-core 2.0.20

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Manifest-Version: 1.0
Automatic-Module-Name: io.swagger.v3.core
Bnd-LastModified: 1585747900398
Build-Jdk: 1.8.0_151
Built-By: frantuma
Bundle-Description: Sonatype helps open source projects to set up Maven repositories on https://oss.sonatype.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: swagger-core
Bundle-SymbolicName: io.swagger.core.v3.swagger-core
Bundle-Version: 2.1.2
Created-By: Apache Maven Bundle Plugin
Export-Package: io.swagger.v3.core.model;version="2.1.2",io.swagger.v3.core.filter;version="2.1.2",uses="io.swagger.v3.core.model,io.swagger.v3.oas.models.media,io.swagger.v3.oas.models.parameters,io.swagger.v3.oas.models.responses",io.swagger.v3.oas.models.jackson;version="2.1.2",uses="com.fasterxml.jackson.datatype.git;version="2.1.2",uses="com.fasterxml.jackson.datatype.hibernate;version="2.1.2",uses="com.fasterxml.jackson.datatype.javassist;version="2.1.2",uses="com.fasterxml.jackson.datatype.jsr310;version="2.1.2",uses="com.fasterxml.jackson.datatype.lombok;version="2.1.2",uses="com.fasterxml.jackson.datatype.protobuf;version="2.1.2",uses="com.fasterxml.jackson.datatype.xml;version="2.1.2",uses="com.fasterxml.jackson.datatype.xml.ser"
mode: development
package: io.swagger
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-4.2.0.201903051501
url: https://github.com/swagger-api/swagger-core/modules/swagger-core

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* /opt/cola/permits/1109159622_1608181352.11/0/swagger-core-2-1-2-jar/META-INF/MANIFEST.MF

1.1641 go-codec 0.8
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1.1647 mdadm 3.3.2 7.el7_2.1

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include/winstdint.h is included only for Windows Client support, as follows:

// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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1.1654 lz4-java 1.4

1.1655 unzip 6.0-20.el7.0atomix2

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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
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The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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1.1656 springfox-swagger-common 2.9.2

1.1657 findutils 4.5.11 6.el7

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:
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The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) { skip_all( "Not all files are available during cross-compilation" );
my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
    or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b\d{4,}/i

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---

abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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>>> gouuid-87bcc4729f2c5a08d2513ad10684c6bbd256380f
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Gocheck - A rich testing framework for Go

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.
Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c42b2bb6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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1.1692 goprotobuf 1.4.0

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1.1693 murmur 1.1.0

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function(key) { return value[key]; }.bind(null, key));\n \t\treturn ns;\n \t};\n\n \t// getDefaultExport function for
compatibility with non-harmony modules\n \t__webpack_require__.n = function(module) {\n \t\tvar getter = module
&& module.__esModule ?\n \t\t\tfunction getDefault() { return module['default']; } :\n \t\t\tfunction
getModuleExports() { return module; };\n \t\t__webpack_require__.d(getter, 'a', getter);\n \t\treturn getter;\n \t};\n\n
\t// Object.prototype.hasOwnProperty.call\n \t__webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); };\n\n \t// __webpack_public_path__\n
\t__webpack_require__.p = \"\";\n\n\n \t// Load entry module and return exports\n \treturn
__webpack_require__(__webpack_require__.s = \"fb15\");\n","var Symbol = require('./_Symbol');\n\n/** Used for
built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own properties.
*/\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Used to resolve the\n *
[`toStringTag`](http://ecma-international.org/ecma-262/7.0/#sec-object.prototype.tostring)\n * of values.\n */\nvar
nativeObjectToString = objectProto.toString;\n\n/** Built-in value references. */\nvar symToStringTag = Symbol ?
Symbol.toStringTag : undefined;\n\n/**\n * A specialized version of `baseGetTag` which ignores
`Symbol.toStringTag` values.\n *\n * @private\n * @param {*} value The value to query.\n * @returns {string}
Returns the raw `toStringTag`.\n */\nfunction getRawTag(value) {\n var isOwn = hasOwnProperty.call(value,
symToStringTag),\n
tag = value[symToStringTag];\n\n try {\n value[symToStringTag] = undefined;\n var
unmasked = true;\n } catch (e) {}\n\n var result = nativeObjectToString.call(value);\n if (unmasked) {\n if
(isOwn) {\n
value[symToStringTag] = tag;\n } else {\n
delete value[symToStringTag];\n }\n }\n return
result;\n}\n\nmodule.exports = getRawTag;\n","'use strict';\nvar LIBRARY = require('./_library');\nvar $export =
require('./_export');\nvar redefine = require('./_redefine');\nvar hide = require('./_hide');\nvar Iterators =
require('./_iterators');\nvar $iterCreate = require('./_iter-create');\nvar setToStringTag = require('./_set-to-stringtag');\nvar getPrototypeOf = require('./_object-gpo');\nvar ITERATOR = require('./_wks')('iterator');\nvar BUGGY =
!([].keys && 'next' in [].keys()); // Safari has buggy iterators w/o `next`\nvar FF_ITERATOR = '@@iterator';\nvar
KEYS = 'keys';\nvar VALUES = 'values';\n\nvar returnThis = function () { return this; };\n\nmodule.exports =
function (Base, NAME, Constructor, next, DEFAULT, IS_SET, FORCED) {\n $iterCreate(Constructor, NAME,
next);\n var getMethod = function (kind) {\n if (!BUGGY && kind in proto) return proto[kind];\n switch (kind)
{\n
case KEYS: return function keys() { return new Constructor(this, kind); };\n
case VALUES: return
function values() { return new Constructor(this, kind); };\n } return function entries() { return new
Constructor(this, kind); };\n };\n var TAG = NAME + ' Iterator';\n var DEF_VALUES = DEFAULT ==
VALUES;\n var VALUES_BUG = false;\n var proto = Base.prototype;\n var $native = proto[ITERATOR] ||
proto[FF_ITERATOR] || DEFAULT && proto[DEFAULT];\n var $default = $native || getMethod(DEFAULT);\n
var $entries = DEFAULT ? !DEF_VALUES ? $default : getMethod('entries') : undefined;\n var $anyNative =
NAME == 'Array' ? proto.entries || $native : $native;\n var methods, key, IteratorPrototype;\n // Fix native\n if
($anyNative) {\n IteratorPrototype = getPrototypeOf($anyNative.call(new Base()));\n if (IteratorPrototype !==
Object.prototype && IteratorPrototype.next) {\n
// Set @@toStringTag to native iterators\n
setToStringTag(IteratorPrototype, TAG, true);\n
// fix for some old engines\n
if (!LIBRARY && typeof
IteratorPrototype[ITERATOR] != 'function') hide(IteratorPrototype, ITERATOR, returnThis);\n }\n }\n // fix
Array#{values, @@iterator}.name in V8 / FF\n if (DEF_VALUES && $native && $native.name !== VALUES)
{\n VALUES_BUG = true;\n $default = function values() { return $native.call(this); };\n }\n // Define iterator\n
if ((!LIBRARY || FORCED) && (BUGGY || VALUES_BUG || !proto[ITERATOR])) {\n hide(proto,
ITERATOR, $default);\n }\n // Plug for library\n Iterators[NAME] = $default;\n Iterators[TAG] = returnThis;\n
if (DEFAULT) {\n methods = {\n
values: DEF_VALUES ? $default : getMethod(VALUES),\n
keys:
IS_SET ? $default : getMethod(KEYS),\n
entries: $entries\n };\n if (FORCED) for (key in methods) {\n
if
(!(key in proto)) redefine(proto, key, methods[key]);\n } else $export($export.P + $export.F * (BUGGY ||
VALUES_BUG), NAME, methods);\n }\n return methods;\n};\n","var isPrototype = require('./_isPrototype'),\n
nativeKeys = require('./_nativeKeys');\n\n/** Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/** Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/**\n * The base implementation of `_.keys` which doesn't treat sparse arrays as

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Detect free variable `module`. */
var freeModule = freeExports && typeof module == 'object' && module && module.nodeType && module.exports === freeExports

/**
 * Checks if `value` is a buffer.
 */
var isBuffer = freeModule && typeof module == 'object' && module.nodeType != null && module.nodeType && module.nodeType && module.nodeType && module.exports.isBuffer == true && module.nodeType && module.nodeType && module.nodeType && module.exports.isBuffer == true && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.exports.isBuffer == true && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && module.nodeType && 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```
// markFunction(function( argument ) {
argument = +argument;
return markFunction(function( seed, matches
positionals
 * @param {Function} fn
 */
function createPositionalPseudo( fn ) {
	return
}

/**
 * Returns a function to use in pseudos for

		} else if ( "label" in elem ) {
			return elem.disabled === disabled;

		// Try

			return elem.disabled === disabled;

		// Support: IE 6 - 11
		// Use the isDisabled shortcut

			// Option
group
		//   https://html.spec.whatwg.org/multipage/forms.html#concept-option-disabled
		

			// Check for inherited disabledness on relevant non-disabled elements:

		if ( "form" in elem )
		return true for :disabled; false for :enabled
 */
function createDisabledPseudo( disabled ) {

	// Known :disabled false
	};
}

/**
 * Returns a function to use in pseudos for :enabled/:disabled
 * @param {Boolean} disabled
 */
function createEnabledPseudo( enabled ) {
	return function( elem ) {
		var name = elem.nodeName.toLowerCase();
		return (name === "input" || name === "button") && elem.type ===
[91x446]@param {String} type
 */
function createButtonPseudo( type ) {
	return function( elem ) {
		var name = elem.nodeName.toLowerCase();
		return

```
Match elements found at the specified indexes

```javascript
while ( i-- ) {
    if ( seed[ j = matchIndexes[ i ] ] ) {
        matches[ j ] = seed[ j ];
        matchIndexes[ i ] = j;
    }
}
```
contains( context, elem );\n};\n\nSizzle.attr = function( elem, name ) {\n\t// Set document vars if needed\n\tif ( (
elem.ownerDocument || elem ) !== document ) {\n\t\tsetDocument( elem );\n\t}\n\n\tvar fn = Expr.attrHandle[
name.toLowerCase() ],\n\t\t// Don't get fooled by Object.prototype properties (jQuery #13807)\n\t\tval = fn &&
hasOwn.call( Expr.attrHandle, name.toLowerCase() ) ?\n\t\t\tfn( elem, name, !documentIsHTML )
:\n\t\t\tundefined;\n\n\treturn val !== undefined ?\n\t\tval :\n\t\tsupport.attributes || !documentIsHTML
?\n\t\t\telem.getAttribute( name ) :\n\t\t\t(val = elem.getAttributeNode(name)) && val.specified ?\n\t\t\t\tval.value
:\n\t\t\t\tnull;\n};\n\nSizzle.escape = function( sel ) {\n\treturn (sel + \"\").replace( rcssescape, fcssescape
);\n};\n\nSizzle.error = function( msg ) {\n\tthrow new Error( \"Syntax error, unrecognized expression: \" + msg
);\n};\n\n/**\n * Document sorting and removing duplicates\n * @param {ArrayLike} results\n
*/\nSizzle.uniqueSort = function( results ) {\n\tvar elem,\n\t\tduplicates = [],\n\t\tj = 0,\n\t\ti = 0;\n\n\t// Unless we
*know* we can detect duplicates, assume their presence\n\thasDuplicate = !support.detectDuplicates;\n\tsortInput =
!support.sortStable && results.slice( 0 );\n\tresults.sort( sortOrder );\n\n\tif ( hasDuplicate ) {\n\t\twhile ( (elem =
results[i++]) ) {\n\t\t\tif ( elem === results[ i ] ) {\n\t\t\t\tj = duplicates.push( i );\n\t\t\t}\n\t\t}\n\t\twhile ( j-- )
{\n\t\t\tresults.splice( duplicates[ j ], 1 );\n\t\t}\n\t}\n\n\t// Clear input after sorting to release objects\n\t// See
https://github.com/jquery/sizzle/pull/225\n\tsortInput = null;\n\n\treturn results;\n};\n\n/**\n * Utility function for
retrieving the text value of an array of DOM nodes\n * @param {Array|Element} elem\n */\ngetText =
Sizzle.getText = function( elem ) {\n\tvar node,\n\t\tret = \"\",\n\t\ti = 0,\n\t\tnodeType = elem.nodeType;\n\n\tif (
!nodeType ) {\n\t\t// If no nodeType, this is expected to be an array\n\t\twhile ( (node = elem[i++]) ) {\n\t\t\t// Do
not traverse comment nodes\n\t\t\tret += getText( node );\n\t\t}\n\t} else if ( nodeType === 1 || nodeType === 9 ||
nodeType === 11 ) {\n\t\t// Use textContent for elements\n\t\t// innerText usage removed for consistency of new
lines (jQuery #11153)\n\t\tif ( typeof elem.textContent === \"string\" ) {\n\t\t\treturn elem.textContent;\n\t\t} else
{\n\t\t\t// Traverse its children\n\t\t\tfor ( elem = elem.firstChild; elem; elem = elem.nextSibling ) {\n\t\t\t\tret +=
getText( elem );\n\t\t\t}\n\t\t}\n\t} else if ( nodeType === 3 || nodeType === 4 ) {\n\t\treturn
elem.nodeValue;\n\t}\n\t// Do not include comment or processing instruction nodes\n\n\treturn ret;\n};\n\nExpr =
Sizzle.selectors = {\n\n\t// Can be adjusted by the user\n\tcacheLength: 50,\n\n\tcreatePseudo:
markFunction,\n\n\tmatch: matchExpr,\n\n\tattrHandle: {},\n\n\tfind: {},\n\n\trelative: {\n\t\t\">\": { dir:
\"parentNode\", first: true },\n\t\t\" \": { dir: \"parentNode\" },\n\t\t\"+\": { dir: \"previousSibling\", first: true
},\n\t\t\"~\": { dir: \"previousSibling\" }\n\t},\n\n\tpreFilter: {\n\t\t\"ATTR\": function( match ) {\n\t\t\tmatch[1] =
match[1].replace( runescape, funescape );\n\n\t\t\t// Move the given value to match[3] whether quoted or
unquoted\n\t\t\tmatch[3] = ( match[3] || match[4] || match[5] || \"\" ).replace( runescape, funescape );\n\n\t\t\tif (
match[2] === \"~=\" ) {\n\t\t\t\tmatch[3] = \" \" + match[3] + \" \";\n\t\t\t}\n\n\t\t\treturn match.slice( 0, 4
);\n\t\t},\n\n\t\t\"CHILD\": function( match ) {\n\t\t\t/* matches from matchExpr[\"CHILD\"]\n\t\t\t\t1 type
(only|nth|...)\n\t\t\t\t2 what (child|of-type)\n\t\t\t\t3 argument (even|odd|\\d*|\\d*n([+-]\\d+)?|...)\n\t\t\t\t4 xncomponent of xn+y argument ([+-]?\\d*n|)\n\t\t\t\t5 sign of xn-component\n\t\t\t\t6 x of xn-component\n\t\t\t\t7 sign
of y-component\n\t\t\t\t8 y of y-component\n\t\t\t*/\n\t\t\tmatch[1] = match[1].toLowerCase();\n\n\t\t\tif (
match[1].slice( 0, 3 ) === \"nth\" ) {\n\t\t\t\t// nth-* requires argument\n\t\t\t\tif ( !match[3] ) {\n\t\t\t\t\tSizzle.error(
match[0] );\n\t\t\t\t}\n\n\t\t\t\t// numeric x and y parameters for Expr.filter.CHILD\n\t\t\t\t// remember that false/true
match[3] === \"odd\" ) );\n\t\t\t\tmatch[5] = +( ( match[7] + match[8] ) || match[3] === \"odd\" );\n\n\t\t\t// other
types prohibit arguments\n\t\t\t} else if ( match[3] ) {\n\t\t\t\tSizzle.error( match[0] );\n\t\t\t}\n\n\t\t\treturn
match;\n\t\t},\n\n\t\t\"PSEUDO\": function( match ) {\n\t\t\tvar excess,\n\t\t\t\tunquoted = !match[6] &&
match[2];\n\n\t\t\tif ( matchExpr[\"CHILD\"].test( match[0] ) ) {\n\t\t\t\treturn null;\n\t\t\t}\n\n\t\t\t// Accept quoted
arguments as-is\n\t\t\tif ( match[3] ) {\n\t\t\t\tmatch[2] = match[4] || match[5] || \"\";\n\n\t\t\t// Strip excess characters
from unquoted arguments\n\t\t\t} else if ( unquoted && rpseudo.test( unquoted ) &&\n\t\t\t\t// Get excess from
tokenize (recursively)\n\t\t\t\t(excess = tokenize( unquoted, true )) &&\n\t\t\t\t// advance to the next closing
parenthesis\n\t\t\t\t(excess = unquoted.indexOf( \")\", unquoted.length - excess ) - unquoted.length) ) {\n\n\t\t\t\t//
excess is a negative index\n\t\t\t\tmatch[0] = match[0].slice( 0, excess );\n\t\t\t\tmatch[2] = unquoted.slice( 0, excess
);\n\t\t\t}\n\n\t\t\t// Return only captures needed by the pseudo filter method (type and argument)\n\t\t\treturn

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createDisabledPseudo( true ),\n\n\t\t\"checked\": function( elem ) {\n\t\t\t// In CSS3, :checked should return both
checked and selected elements\n\t\t\t// http://www.w3.org/TR/2011/REC-css3-selectors20110929/#checked\n\t\t\tvar nodeName = elem.nodeName.toLowerCase();\n\t\t\treturn (nodeName === \"input\"
&& !!elem.checked) || (nodeName === \"option\" && !!elem.selected);\n\t\t},\n\n\t\t\"selected\": function( elem )
{\n\t\t\t// Accessing this property makes selected-by-default\n\t\t\t// options in Safari work properly\n\t\t\tif (
elem.parentNode ) {\n\t\t\t\telem.parentNode.selectedIndex;\n\t\t\t}\n\n\t\t\treturn elem.selected ===
true;\n\t\t},\n\n\t\t// Contents\n\t\t\"empty\": function( elem ) {\n\t\t\t// http://www.w3.org/TR/selectors/#emptypseudo\n\t\t\t// :empty is negated by element (1) or content nodes (text: 3; cdata: 4; entity ref: 5),\n\t\t\t// but not by
others (comment: 8; processing instruction: 7; etc.)\n\t\t\t// nodeType < 6 works because attributes (2) do not appear
as children\n\t\t\tfor ( elem = elem.firstChild; elem; elem = elem.nextSibling ) {\n\t\t\t\tif ( elem.nodeType < 6 )
{\n\t\t\t\t\treturn false;\n\t\t\t\t}\n\t\t\t}\n\t\t\treturn true;\n\t\t},\n\n\t\t\"parent\": function( elem ) {\n\t\t\treturn
!Expr.pseudos[\"empty\"]( elem );\n\t\t},\n\n\t\t// Element/input types\n\t\t\"header\": function( elem ) {\n\t\t\treturn
rheader.test( elem.nodeName );\n\t\t},\n\n\t\t\"input\": function( elem ) {\n\t\t\treturn rinputs.test( elem.nodeName
);\n\t\t},\n\n\t\t\"button\": function( elem ) {\n\t\t\tvar name = elem.nodeName.toLowerCase();\n\t\t\treturn name
=== \"input\" && elem.type === \"button\" || name === \"button\";\n\t\t},\n\n\t\t\"text\": function( elem ) {\n\t\t\tvar
attr;\n\t\t\treturn elem.nodeName.toLowerCase() === \"input\" &&\n\t\t\t\telem.type === \"text\" &&\n\n\t\t\t\t//
Support: IE<8\n\t\t\t\t// New HTML5 attribute values (e.g., \"search\") appear with elem.type === \"text\"\n\t\t\t\t(
(attr = elem.getAttribute(\"type\")) == null || attr.toLowerCase() === \"text\" );\n\t\t},\n\n\t\t// Position-incollection\n\t\t\"first\": createPositionalPseudo(function() {\n\t\t\treturn [ 0 ];\n\t\t}),\n\n\t\t\"last\":
createPositionalPseudo(function( matchIndexes, length ) {\n\t\t\treturn [ length - 1 ];\n\t\t}),\n\n\t\t\"eq\":
createPositionalPseudo(function( matchIndexes, length, argument ) {\n\t\t\treturn [ argument < 0 ? argument +
length : argument ];\n\t\t}),\n\n\t\t\"even\": createPositionalPseudo(function( matchIndexes, length ) {\n\t\t\tvar i =
0;\n\t\t\tfor ( ; i < length; i += 2 ) {\n\t\t\t\tmatchIndexes.push( i );\n\t\t\t}\n\t\t\treturn
matchIndexes;\n\t\t}),\n\n\t\t\"odd\": createPositionalPseudo(function( matchIndexes, length ) {\n\t\t\tvar i =
1;\n\t\t\tfor ( ; i < length; i += 2 ) {\n\t\t\t\tmatchIndexes.push( i );\n\t\t\t}\n\t\t\treturn
matchIndexes;\n\t\t}),\n\n\t\t\"lt\": createPositionalPseudo(function( matchIndexes, length, argument ) {\n\t\t\tvar i =
argument < 0 ? argument + length : argument;\n\t\t\tfor ( ; --i >= 0; ) {\n\t\t\t\tmatchIndexes.push( i
);\n\t\t\t}\n\t\t\treturn matchIndexes;\n\t\t}),\n\n\t\t\"gt\": createPositionalPseudo(function( matchIndexes, length,
argument ) {\n\t\t\tvar i = argument < 0 ? argument + length : argument;\n\t\t\tfor ( ; ++i < length; )
{\n\t\t\t\tmatchIndexes.push( i );\n\t\t\t}\n\t\t\treturn matchIndexes;\n\t\t})\n\t}\n};\n\nExpr.pseudos[\"nth\"] =
Expr.pseudos[\"eq\"];\n\n// Add button/input type pseudos\nfor ( i in { radio: true, checkbox: true, file: true,
password: true, image: true } ) {\n\tExpr.pseudos[ i ] = createInputPseudo( i );\n}\nfor ( i in { submit: true, reset:
true } ) {\n\tExpr.pseudos[ i ] = createButtonPseudo( i );\n}\n\n// Easy API for creating new setFilters\nfunction
setFilters() {}\nsetFilters.prototype = Expr.filters = Expr.pseudos;\nExpr.setFilters = new setFilters();\n\ntokenize =
Sizzle.tokenize = function( selector, parseOnly ) {\n\tvar matched, match, tokens, type,\n\t\tsoFar, groups,
preFilters,\n\t\tcached = tokenCache[ selector + \" \" ];\n\n\tif ( cached ) {\n\t\treturn parseOnly ? 0 : cached.slice( 0
);\n\t}\n\n\tsoFar = selector;\n\tgroups = [];\n\tpreFilters = Expr.preFilter;\n\n\twhile ( soFar ) {\n\n\t\t// Comma and
first run\n\t\tif ( !matched || (match = rcomma.exec( soFar )) ) {\n\t\t\tif ( match ) {\n\t\t\t\t// Don't consume trailing
commas as valid\n\t\t\t\tsoFar = soFar.slice( match[0].length ) || soFar;\n\t\t\t}\n\t\t\tgroups.push( (tokens = [])
);\n\t\t}\n\n\t\tmatched = false;\n\n\t\t// Combinators\n\t\tif ( (match = rcombinators.exec( soFar )) ) {\n\t\t\tmatched
= match.shift();\n\t\t\ttokens.push({\n\t\t\t\tvalue: matched,\n\t\t\t\t// Cast descendant combinators to
space\n\t\t\t\ttype: match[0].replace( rtrim, \" \" )\n\t\t\t});\n\t\t\tsoFar = soFar.slice( matched.length );\n\t\t}\n\n\t\t//
Filters\n\t\tfor ( type in Expr.filter ) {\n\t\t\tif ( (match = matchExpr[ type ].exec( soFar )) && (!preFilters[ type ]
||\n\t\t\t\t(match = preFilters[ type ]( match ))) ) {\n\t\t\t\tmatched =
match.shift();\n\t\t\t\ttokens.push({\n\t\t\t\t\tvalue: matched,\n\t\t\t\t\ttype: type,\n\t\t\t\t\tmatches:
match\n\t\t\t\t});\n\t\t\t\tsoFar = soFar.slice( matched.length );\n\t\t\t}\n\t\t}\n\n\t\tif ( !matched )
{\n\t\t\tbreak;\n\t\t}\n\t}\n\n\t// Return the length of the invalid excess\n\t// if we're just parsing\n\t// Otherwise,
throw an error or return tokens\n\treturn parseOnly ?\n\t\tsoFar.length :\n\t\tsoFar ?\n\t\t\tSizzle.error( selector )

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if ( postFinder ) {
  // Get the final matcherOut by condensing this intermediate into postFinder
  // ...middle processing is necessary...
  results = matcher ?
    results :
    postFilter || preexisting results,
  postFinder || ( seed ? preFilter : preexisting || postFilter ) ?
    // ...otherwise use results directly
    results :
    ...intermediate processing is necessary
    ...middle processing is necessary
    results = matcher ?
      results :
      postFilter || preexisting results,
  postFinder || ( seed ? preFilter : preexisting || postFilter ) ?
    // ...otherwise use results directly
    results :
    ...intermediate processing is necessary
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```

skipped if there are no unmatched elements (i.e., `matchedCount`
			// equals `i`), unless we didn’t visit _any_
			matchedCount += i;

			// Apply set filters to unmatched elements
			// NOTE: This can be
					if ( seed ) {
						unmatched.push( elem );
					}
				}

			// `i` is now
[...]
```
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Elements in the above loop because we have no element matchers and no seed.

Incrementing an initially-string '0' 'i' allows 'i' to remain a string only in that case, which will result in a '00'.

'matchedCount' that differs from 'i' but is also no element.

// Incrementing an initially-string "0" `i` allows `i` to remain a string only in that case, which will result in a "00".

Discard index placeholder values to get only actual matches

Add matches to results

// Seedless set matches succeeding multiple successful matchers stipulate sorting

// Override manipulation of globals by nested matchers

// Compile function

// Sort stability

// Support: Chrome 14-35+
<p>Open Source Used In APIC-SE-BATMAN v2.0.1  19015</p>
Open Source Used In APIC-SE-BATMAN v2.0.1

```javascript
// Function to add or remove callbacks
self.add = function( elem ) {
    if ( memory ) {
        list = [ ];
    } else {
        // Clean up if we're done firing for good
        if ( locked ) {
            // Keep an empty list if we have data for future
            if ( !options.memory ) {
                memory = false;
            }
        }
        firing = false;
        // &&
        if ( list[ firingIndex ].apply( memory[ 0 ], memory[ 1 ] ) === false ) {
            queue.shift();
        }
        while ( ++firingIndex < list.length ) {
            fired = firing = true;
            for ( ; queue.length; firingIndex = -1 ) {
                memory = options.once;
                // Execute callbacks for all pending executions,
                // respecting firingIndex overrides and
                // -1,
                // Fire callbacks
                self.fire = function() {
                    var object = {};
                    jQuery.each( options.match( rnothtmlwhite ) || [ ], function( _, flag ) {
                        object[ flag ] = true;
                    } );
                    return object;
                }

                /*
                 * Create a callback list using the
                 * Callbacks = function( options ) {
                    var object = {};
                    jQuery.each( options.match( rnothtmlwhite ) || [ ], function( _, flag ) {
                        object[ flag ] = true;
                    } );
                    return object;
                }

                jQuery.fn.resize = function( elem, options ) {
                    // Convert String-formatted ones
                    function createOptions( options ) {
                        var object = {};
                        jQuery.each( options.match( rnothtmlwhite ) || [ ], function( _, flag ) {
                            object[ flag ] = true;
                        } );
                        return object;
                    }

                    /*
                     * Create a callback list using the
                     * Callbacks = function( options ) {
                     *         var object = {};
                     *         jQuery.each( options.match( rnothtmlwhite ) || [ ], function( _, flag ) {
                     *             object[ flag ] = true;
                     *         } );
                     *         return object;
                     */
````
newDefer.promise().then(function() { bind to newDefer or newDefer.resolve() });
newDefer.fail(function() { bind to newDefer or newDefer.reject() });

// Call an optional hook to record the stack, in case of exception
// since it's otherwise false rejection from subsequent errors
if (depth) {
  process();
} else {
  deferred.rejectWith( that, arguments );
}

// Support: Promises/A+ section 2.3.3.3.1
// https://promisesaplus.com/#point-57
// Re-resolve promises immediately to dodge false rejection from
// subsequent errors

// Support: Promises/A+ section 2.3.3.3.3
// https://promisesaplus.com/#point-59
// Ignore double-resolution attempts
// (depth < maxDepth)

// Support: Promises/A+ section 2.3.1
// https://promisesaplus.com/#point-48
// Only check objects and functions for thenability

normal resolution

// Support: Promises/A+ sections 2.3.3.1, 3.5
// https://promisesaplus.com/#point-54
// https://promisesaplus.com/#point-75
// Only check objects and functions for thenability

Normal processors (resolve) also hook into progress

values

return newDefer[ tuple[0] ] + "With"( this, arguments );

if (typeof fn === "function") {
  returned = fn.apply( this, arguments );
  if (returned && isFunction( returned.promise )) {
    returned.promise().then(onFulfilled, onRejected, onProgress);
  } else {
    newDefer[ tuple[1] ]( function() {
      returned = handler.apply( that, args );
      if (typeof returned === "object" || typeof returned === "function") {
        then = returned.then;
      }
    },
    deferred.fail(function() { bind to newDefer or newDefer.reject })
  };

newDefer.promise().then( function() {
  return;
},
newDefer.fail(function() {
  throw new TypeError( "Thenable self-resolution"
});

newDefer.promise().then( function() {
  return;
},
newDefer.fail(function() {
  throw new TypeError( "Thenable self-resolution"
});

window.Deferred.exceptionHook
catch (e) {
  deferWith(e);
  deferred.rejectWith( that, args );
};

Deferred.exceptionHook( e, deferWith( deferred.notifyWith )
);
Open Source Used In APIC-SE-BATMAN v2.0.1

```javascript

$(document).ready(function() {

    // Code goes here

});
```

---

*Please note: This code is a placeholder and does not represent the actual source code used in APIC-SE-BATMAN v2.0.1.*

---

This document contains information about the use of open-source libraries in APIC-SE-BATMAN v2.0.1. The source code snippet shown is a generic jQuery function, which is widely used in web development for event handling.

For more information, please refer to the original documentation or source code of the libraries in use. The purpose of this document is to highlight the use of open-source software in the project.
element's handler list, delegates in front of selector's handler list, delegates in front of delegateCount, 0, handleObj).push( handleObj ).unshift( handleObj ).unshift( handleObj ) // Keep track of which events have ever been used, for event optimization\n$.\n$.\n$.\n\n// Detach an event or set of events from an element\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$.\n$"use" instance trees (trac-
Open Source Used In APIC-SE-BATMAN v2.0.1

```
// Manipulate DOM content
function buildFragment( args, collection[ 0 ] || elem ) {

  // Flatten any nested arrays
  args = concat.apply( [], args );

  // Use the original fragment for the last item
  if ( l ) {
    fragment = buildFragment( args, collection[ 0 ] || elem );
  }

  return fragment;
}
```

```
// 2. Copy user data
if ( dataUser.hasData( src ) ) {
  udataCur = jQuery.extend( {}, udataOld );

  // Fails to persist the checked state of a cloned checkbox or radio button.
  if ( nodeName === "input" & rcheckableType.test( src.type ) ) {
    udataCur.checked = src.checked;

    // Fails to persist the checked state of a cloned checkbox or radio button.
    if ( nodeName === "input" & rchecked.test( value ) ) {
      return collection.each( function( index ) {
        var self = collection.eq( index ) || elem;

        if ( self.nodeName.toLowerCase() !== "textarea" ) {
          self.value = self.value; // Who knew valueForType added it here?
        } else if ( self.nodeName === "input" & rcheckableType.test( src.type ) ) {
          self.checked = src.checked;

          // Fails to persist the checked state of a cloned checkbox or radio button.
          if ( nodeName === "input" & rchecked.test( value ) & valueIsFunction ) {
            self.value = null;
          }
        }
      });
    }
  }
```
Open Source Used In APIC-SE-BATMAN v2.0.1 19032
options, prop, end, easing ) {return new Tween.prototype.init( elem, options, prop, end, easing )

jQuery.Tween = Tween;

Tween.prototype = {
constructor: function( elem, options, prop, end, easing, unit ) {this.elem = elem;this.prop = prop;this.easing = easing || jQuery.easing._default;this.options = options;this.start = this.now = this.cur();this.end = end;this.unit = unit || ( jQuery.cssNumber[prop] ? "vw" : "px" );

cur: function() {var hooks = Tween.propHooks[ this.prop ];
return this.cur();
}
}

run: function( percent ) {
return this.now = (this.end - this.start) * percent + this.start;
}
}

Tween.prototype.init.prototype = Tween.prototype;

Tween.propHooks = {
_default: {
get: function( tween ) {
var result;

if ( tween.elem.nodeType !== 1 || tween.elem[tween.prop] != null && tween.elem.style[tween.prop] == null) {
return tween.elem[tween.prop];
}

result = jQuery.css( tween.elem, tween.prop, "" );

return !result || result === "auto" ? 0 : result;
},
set: function( tween ) {

jQuery.easing = {
linear: function( p ) {
return p;
},
swing: function( p ) {
return 0.5 - Math.cos( p * Math.PI ) / 2;
},
_default: "swing"
};

jQuery.fx = Tween.prototype.init;

jQuery.fx.interval = 50;
jQuery.fx.step = {};

var
rfxtypes = /^(?:toggle|show|hide)$/,
rrun = /queueHooks$/;

schedule() {
if ( inProgress ) {
if ( document.hidden === false && window.requestAnimationFrame ) {
window.requestAnimationFrame( schedule );
} else {
window.setTimeout( schedule, jQuery.fx.interval );
}

jQuery.fx.tick();
}

var
fxNow,
inProgress,
rfxtypes,
rrun = /queueHooks$/;
skipping animations hijack the fx hooks\n\ufeffuntil ( !opts.queue ) { jQuery._queueHooks( elem, "fx" )\n\ufeffuntil ( hooks.unqueued == null ) { jQuery._queueHooks.unqueued = 0; jQuery._queueHooks.empty.fire =\njQuery.empty.fire; jQuery._queueHooks.empty.fire = function() { jQuery._queueHooks ( !hooks.unqueued ) { jQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\njQuery._queueHooks( elem, "fxv" )\n\ufeffuntil ( !hooks.unqueued )\n...
this won't overwrite existing keys.

```javascript
function Animation(elem, properties, options) {
  var result, stopped, index = 0, length = Animation.prefilters.length,
      deferred = jQuery.Deferred().always(function() {
        // Don't match elem in the :animated selector
delte tick elem
      }), tick = function() {
        var returfalse; return tick; };

  for ( ; index < length; index++ ) {
    result = Animation.prefilters[ index ].call( animation, elem, properties, options );
    if ( result ) {
      if ( isFunction( result.stop ) ) {
        jQuery._queueHooks( animation.elem, animation.opts.queue ).stop = result.stop.bind( result );
      }
      return result;
    }
  }

  jQuery.map( props, createTween, animation );

  if ( isFunction( animation.opts.start ) ) {
    animation.opts.start.call( elem, animation );
  }

  // Attach callbacks from options
  jQuery.extend( animation, { progress: animation.opts.progress, done: animation.opts.done, fail: animation.opts.fail } );

  jQuery.fx.timer( jQuery.extend( tick, { elem: elem, anim: animation, queue: queue, queueHooks: queueHooks, duration: animation.duration }, options ) );

  // Go to the end state if fx
  Animation.fx.timer( function() {
    var t = animation.tick = function() {
      var returfalse; return tick; };

      for ( ; index < length; index++ ) {
        result = Animation.prefilters[ index ].call( animation, elem, properties, options );
        if ( result ) {
          if ( isFunction( result.stop ) ) {
            jQuery._queueHooks( animation.elem, animation.opts.queue ).stop = result.stop.bind( result );
          }
          return result;
        }
      }

      jQuery.map( props, createTween, animation );

      if ( isFunction( animation.opts.start ) ) {
        animation.opts.start.call( elem, animation );
      }

      // Attach callbacks from options
      jQuery.extend( animation, { progress: animation.opts.progress, done: animation.opts.done, fail: animation.opts.fail } );
    }, tick, elem );

    // Go to the end state if fx
    Animation.fx.timer( function() {
      var t = animation.tick = function() {
        var returfalse; return tick; };

        for ( ; index < length; index++ ) {
          result = Animation.prefilters[ index ].call( animation, elem, properties, options );
          if ( result ) {
            if ( isFunction( result.stop ) ) {
              jQuery._queueHooks( animation.elem, animation.opts.queue ).stop = result.stop.bind( result );
            }
            return result;
          }
        }

        jQuery.map( props, createTween, animation );

        if ( isFunction( animation.opts.start ) ) {
          animation.opts.start.call( elem, animation );
        }

        // Attach callbacks from options
        jQuery.extend( animation, { progress: animation.opts.progress, done: animation.opts.done, fail: animation.opts.fail } );
      }, tick, elem );
    });
  };[ "defaultPrefilter", "prefilter", "this" ];

  return Animation;
}
```

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name ) {\n\t\treturn this.each( function() {\n\t\t\tdelete this[ jQuery.propFix[ name ] || name ];\n\t\t} );\n\t}\n}
);\n\njQuery.extend( {\n\tprop: function( elem, name, value ) {\n\t\tvar ret, hooks,\n\t\t\tnType =
elem.nodeType;\n\n\t\t// Don't get/set properties on text, comment and attribute nodes\n\t\tif ( nType === 3 || nType
=== 8 || nType === 2 ) {\n\t\t\treturn;\n\t\t}\n\n\t\tif ( nType !== 1 || !jQuery.isXMLDoc( elem ) ) {\n\n\t\t\t// Fix
name and attach hooks\n\t\t\tname = jQuery.propFix[ name ] || name;\n\t\t\thooks = jQuery.propHooks[ name
];\n\t\t}\n\n\t\tif ( value !== undefined ) {\n\t\t\tif ( hooks && \"set\" in hooks &&\n\t\t\t\t( ret = hooks.set( elem,
value, name ) ) !== undefined ) {\n\t\t\t\treturn ret;\n\t\t\t}\n\n\t\t\treturn ( elem[ name ] = value );\n\t\t}\n\n\t\tif (
hooks && \"get\" in hooks && ( ret = hooks.get( elem, name ) ) !== null ) {\n\t\t\treturn ret;\n\t\t}\n\n\t\treturn
elem[ name ];\n\t},\n\n\tpropHooks: {\n\t\ttabIndex: {\n\t\t\tget: function( elem ) {\n\n\t\t\t\t// Support: IE <=9 - 11
only\n\t\t\t\t// elem.tabIndex doesn't always return the\n\t\t\t\t// correct value when it hasn't been explicitly
set\n\t\t\t\t// https://web.archive.org/web/20141116233347/http://fluidproject.org/blog/2008/01/09/getting-settingand-removing-tabindex-values-with-javascript/\n\t\t\t\t// Use proper attribute retrieval(#12072)\n\t\t\t\tvar tabindex =
jQuery.find.attr( elem, \"tabindex\" );\n\n\t\t\t\tif ( tabindex ) {\n\t\t\t\t\treturn parseInt( tabindex, 10
);\n\t\t\t\t}\n\n\t\t\t\tif (\n\t\t\t\t\trfocusable.test( elem.nodeName ) ||\n\t\t\t\t\trclickable.test( elem.nodeName )
&&\n\t\t\t\t\telem.href\n\t\t\t\t) {\n\t\t\t\t\treturn 0;\n\t\t\t\t}\n\n\t\t\t\treturn -1;\n\t\t\t}\n\t\t}\n\t},\n\n\tpropFix:
{\n\t\t\"for\": \"htmlFor\",\n\t\t\"class\": \"className\"\n\t}\n} );\n\n// Support: IE <=11 only\n// Accessing the
selectedIndex property\n// forces the browser to respect setting selected\n// on the option\n// The getter ensures a
default option is selected\n// when in an optgroup\n// eslint rule \"no-unused-expressions\" is disabled for this
code\n// since it considers such accessions noop\nif ( !support.optSelected ) {\n\tjQuery.propHooks.selected =
{\n\t\tget: function( elem ) {\n\n\t\t\t/* eslint no-unused-expressions: \"off\" */\n\n\t\t\tvar parent =
elem.parentNode;\n\t\t\tif ( parent && parent.parentNode )
{\n\t\t\t\tparent.parentNode.selectedIndex;\n\t\t\t}\n\t\t\treturn null;\n\t\t},\n\t\tset: function( elem ) {\n\n\t\t\t/* eslint
no-unused-expressions: \"off\" */\n\n\t\t\tvar parent = elem.parentNode;\n\t\t\tif ( parent )
{\n\t\t\t\tparent.selectedIndex;\n\n\t\t\t\tif ( parent.parentNode )
{\n\t\t\t\t\tparent.parentNode.selectedIndex;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t};\n}\n\njQuery.each(
[\n\t\"tabIndex\",\n\t\"readOnly\",\n\t\"maxLength\",\n\t\"cellSpacing\",\n\t\"cellPadding\",\n\t\"rowSpan\",\n\t\"colS
pan\",\n\t\"useMap\",\n\t\"frameBorder\",\n\t\"contentEditable\"\n], function() {\n\tjQuery.propFix[
this.toLowerCase() ] = this;\n} );\n\n\n\n\n\t// Strip and collapse whitespace according to HTML spec\n\t//
https://infra.spec.whatwg.org/#strip-and-collapse-ascii-whitespace\n\tfunction stripAndCollapse( value ) {\n\t\tvar
tokens = value.match( rnothtmlwhite ) || [];\n\t\treturn tokens.join( \" \" );\n\t}\n\n\nfunction getClass( elem )
{\n\treturn elem.getAttribute && elem.getAttribute( \"class\" ) || \"\";\n}\n\nfunction classesToArray( value ) {\n\tif
( Array.isArray( value ) ) {\n\t\treturn value;\n\t}\n\tif ( typeof value === \"string\" ) {\n\t\treturn value.match(
rnothtmlwhite ) || [];\n\t}\n\treturn [];\n}\n\njQuery.fn.extend( {\n\taddClass: function( value ) {\n\t\tvar classes,
elem, cur, curValue, clazz, j, finalValue,\n\t\t\ti = 0;\n\n\t\tif ( isFunction( value ) ) {\n\t\t\treturn this.each( function(
j ) {\n\t\t\t\tjQuery( this ).addClass( value.call( this, j, getClass( this ) ) );\n\t\t\t} );\n\t\t}\n\n\t\tclasses =
classesToArray( value );\n\n\t\tif ( classes.length ) {\n\t\t\twhile ( ( elem = this[ i++ ] ) ) {\n\t\t\t\tcurValue =
getClass( elem );\n\t\t\t\tcur = elem.nodeType === 1 && ( \" \" + stripAndCollapse( curValue ) + \" \" );\n\n\t\t\t\tif (
cur ) {\n\t\t\t\t\tj = 0;\n\t\t\t\t\twhile ( ( clazz = classes[ j++ ] ) ) {\n\t\t\t\t\t\tif ( cur.indexOf( \" \" + clazz + \" \" ) < 0
) {\n\t\t\t\t\t\t\tcur += clazz + \" \";\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\n\t\t\t\t\t// Only assign if different to avoid unneeded
rendering.\n\t\t\t\t\tfinalValue = stripAndCollapse( cur );\n\t\t\t\t\tif ( curValue !== finalValue )
{\n\t\t\t\t\t\telem.setAttribute( \"class\", finalValue );\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\treturn
this;\n\t},\n\n\tremoveClass: function( value ) {\n\t\tvar classes, elem, cur, curValue, clazz, j, finalValue,\n\t\t\ti =
0;\n\n\t\tif ( isFunction( value ) ) {\n\t\t\treturn this.each( function( j ) {\n\t\t\t\tjQuery( this ).removeClass(
value.call( this, j, getClass( this ) ) );\n\t\t\t} );\n\t\t}\n\n\t\tif ( !arguments.length ) {\n\t\t\treturn this.attr( \"class\",
\"\" );\n\t\t}\n\n\t\tclasses = classesToArray( value );\n\n\t\tif ( classes.length ) {\n\t\t\twhile ( ( elem = this[ i++ ] ) )
{\n\t\t\t\tcurValue = getClass( elem );\n\n\t\t\t\t// This expression is here for better compressibility (see
addClass)\n\t\t\t\tcur = elem.nodeType === 1 && ( \" \" + stripAndCollapse( curValue ) + \" \" );\n\n\t\t\t\tif ( cur )
{\n\t\t\t\t\tj = 0;\n\t\t\t\t\twhile ( ( clazz = classes[ j++ ] ) ) {\n\n\t\t\t\t\t\t// Remove *all* instances\n\t\t\t\t\t\twhile (

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default action, do it now

```javascript
if ( !onlyHandlers && !event.isDefaultPrevented() ) {
  if ( !special._default ||
      special._default.apply( eventPath.pop(), data ) !== false ) &
    & !event.preventDefault() {

    if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

      if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

        if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

          if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

              if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                    if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                      if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                        if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                          if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                            if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                                if ( ( !special._default ||
      special._default.apply( eventPath.pop(), data ) === false ) &
    & !event.isDefaultPrevented() ) {

                                                                                     //
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
                                                                                     
```
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```javascript
// ...snip...
```

---

**Note:** The extracted text appears to be a partially visible code snippet. The full context or purpose of this code is not clear from the snippet alone. It seems to be related to jQuery, a popular JavaScript library, given the syntax and function names like `jQuery.extend`, `jQuery.ajax`, and `jQuery.map`. The code snippet includes jQuery's internal implementation details, which are typically not exposed to users of the library. Further context or a full code file would be necessary to understand its complete functionality.
setTimeout( done, 0, finalText );

// Alias method option to type as per ticket
signature)
// We also use the url parameter if available
s.url = ( url || s.url || location.href ) + "";

// Add protocol if not provided
// transport.abort( finalText );

// Add deferreds
deferred.promise( jqXHR );

// Status-dependent callbacks
statusCode = s.statusCode || {},

// Headers (they are sent all at once)
requestHeaders = {},

// Default abort message
strAbort = "canceled",

// Fake xhr
xhr = {

// Creates a full fledged settings object into target
// with both ajaxSettings and settings fields.
If target is omitted, writes into ajaxSettings.

// Main method
ajax: function( url, options ) {

// If url is an object, simulate pre-1.5 signature
// (typeof url === "object")
if ( typeof url === "object" ) {

// Parse text as xml
"text xml": jQuery.parseXML

// Text to html
true,\n\"text html": true,\n\"text json": JSON.parse,\n\"text xml": "

// Caches the header
getResponseHeader:

// To know if global events are to be dispatched
Response headers\n\"status": String,\n\"responseHeaders": String,

// Context for global events is callbackContext if it is a DOM node or jQuery
context

// Timeout handle
\"timeout": timeoutTimer,

// If url is an object, simulate pre-1.5 signature\n\"text": ( typeof url === "object" )

// Text to html
true,\n\"text html": true,\n\"text json": JSON.parse,\n\"text xml": "

// Caches the header
getResponseHeader:

// To know if global events are to be dispatched
Response headers\n\"status": String,\n\"responseHeaders": String,

// Context for global events is callbackContext if it is a DOM node or jQuery
context

// Timeout handle
\"timeout": timeoutTimer,

// If url is an object, simulate pre-1.5 signature\n\"text": ( typeof url === "object" )

// Text to html
true,\n\"text html": true,\n\"text json": JSON.parse,\n\"text xml": "

// Caches the header
getResponseHeader:

// To know if global events are to be dispatched
Response headers\n\"status": String,\n\"responseHeaders": String,

// Context for global events is callbackContext if it is a DOM node or jQuery
context

// Timeout handle
\"timeout": timeoutTimer,
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Open Source Used In APIC-SE-BATMAN v2.0.1

```
jQuery.fn.extend( {
	wrapAll: function( html ) {
		var wrap;

		if ( this[ 0 ] ) {
		if ( isFunction( html ) ) {
			html = html.call( this[ 0 ] );
		}

			var jqXHR = jQuery.ajax( {
				url: url,

			// Make this explicit, since user can override this through ajaxSetup
			// (that way responseXXX fields are always set) handleResponse = ajaxConvert( s, response, jqXHR, isSuccess );

				// If successful, handle type chaining
				if ( isSuccess ) { Set the If-Modified-Since and/or If-None-Match header, if in ifModified mode.
					var modified = jqXHR.getResponseHeader( "Last-Modified" );
					var etag = jqXHR.getResponseHeader( "ETag" );

					// Check if it's a modified request
					if ( modified ) {
						// Check for last-modified header
						var lastModified = jQuery.parseDate( jQuery.trim( "Last-Modified", headers ) )

						// Check for etag header
						var etag = jQuery.trim( jQuery.trim( "ETag", headers ) )

						// Check if the etag matches
						if ( etag === modified ) {
						// If the etag matches, return true
						return true;
					}

					// Clear timeout if it exists (timeoutTimer)
					if ( timeoutTimer ) {
						window.clearTimeout( timeoutTimer );

					// Dereference transport for early garbage collection
					// (no matter how long the jqXHR object will be used)
					Cache response headers in responseHeaders = headers || {

					return jqXHR;
				}, s.timeout );

					try {
						done( -1, 

					catch ( e ) {
						nativeStatusText = "error";

						statusText = response.statusText;

						response = ajaxConvert( s, response, jqXHR, isSuccess )

						// Set the If-Modified-Since and/or If-None-Match header, if in ifModified mode.
						var modified = jqXHR.getResponseHeader( "Last-Modified" );

						var etag = jqXHR.getResponseHeader( "ETag" );

						// Check for last-modified header
						var lastModified = jQuery.parseDate( jQuery.trim( "Last-Modified", headers ) )

						// Check for etag header
						var etag = jQuery.trim( jQuery.trim( "ETag", headers ) )

						// Check if the etag matches
						if ( etag === modified ) {
						// If the etag matches, return true
						return true;
	```

```
Create the abort callback:

```javascript
(errorCallback); // Create the abort callback function
```

Then, send the request:

```javascript
xhr.send( options.hasContent && options.data || null );
```

If an error occurs, rethrow it:

```javascript
xhr.onerror = function() {
  throw e;
};
```

The abort callback:

```javascript
xhr.abort = function() {
  if ( callback ) {
    callback();
  }
};
```

Detect, normalize options and install callbacks for jsonp requests:

```javascript
jQuery.ajaxPrefilter( "jsonp jsonp", function( s, originalSettings, xhr ) {
  var callbackName, overwritten, responseContainer, jsonProp = s.jsonp !== false && ( rjsonp.test( s.url ) ? "url" : typeof s.data === "string" && ( s.contentType || "" ).indexOf( "application/x-www-form-urlencoded" ) === 0 && rjsonp.test( s.data ) && "data" ), tparam; /* Check if it was a function and we have a response */

  // Make sure that re-using the options doesn't screw things around
  s.jsonpCallback = isFunction( s.jsonpCallback ) ? s.jsonpCallback : false && ( sjsonp.test( s.url ) ? s.jsonp : "callback" );

  // Remember previous value associated with it
  responseContainer = s; // Preexisting value associated with it

  // Support: Safari 8 only
  // In Safari 8 documents created via document.implementation.createHTMLDocument.head.appendChild( script[ 0 ] )
```

This transport only deals with cross domain requests:

```javascript
jQuery.ajaxPrefilter( function( s ) {
  if ( s.crossDomain ) {
    // Use native DOM manipulation to avoid our domManip AJAX trickery
    document.head.appendChild( script[ 0 ] );
    // We force json dataType
    s.dataTypes[ 0 ] = "json";
  }
}
```

Handle cache's special case and crossDomain:

```javascript
jQuery.ajaxSetup( { jsonp: "callback", jsonpCallback: function() {
  var callback = oldCallbacks.pop() || ( jQuery.expando + "_" + ( nonce++ ) );
  this[ callback ] = true;
  return callback;
} });
```

Protect prevent auto-execution of scripts when no explicit dataType was provided:

```javascript
try {
  xhr.send( options.hasContent && options.data || null );
} catch ( e ) {
  throw e;
}
```

When in a crossDomain:

```javascript
script = jQuery( "<script>" ).prop( {
  charset: s.scriptCharset,
  src: s.url
} ).on( "load error", function() {
  script.remove();
  callback = null;
  xhr[ "readystatechange" ] = "complete";
});
```

Insert callback into url or form data:

```javascript
Use native DOM manipulation to avoid our domManip AJAX trickery:
```

Detect if the expected data type is "jsonp" or we have a parameter to set:

```javascript
Handle iff the expected data type is "jsonp" or we have a parameter to set:
```

Get callback name, remembering preexisting value associated with it:

```javascript
Get callback name, remembering preexisting value associated with it:
```

Insert callback into url or form data:

```javascript
Insert callback into url or form data:
```

Clean-up function (fires after converters):

```javascript
Clean-up function (fires after converters):
```

Save back as free:

```javascript
Save back as free:
```

Force data type:

```javascript
Force data type:
```

Make sure that re-using the options doesn't screw things around:

```javascript
Make sure that re-using the options doesn't screw things around:
```

Save the callback name for future use:

```javascript
Save the callback name for future use:
```

Call if it was a function and we have a response:

```javascript
Call if it was a function and we have a response:
```

In Safari 8 documents created via document.implementation.createHTMLDocument():

```javascript
In Safari 8 documents created via document.implementation.createHTMLDocument():
```

collapse sibling forms:

```javascript
collapse sibling forms:
```

The second one becomes a child of the
Because of that, this security measure has to be disabled in Safari 8.

https://bugs.webkit.org/show_bug.cgi?id=137337

// Argument "data" should be string of HTML
// context (optional): If specified, the fragment will be created in this context,
// defaults to document
// keepScripts (optional): True, will include scripts passed in the html string
// context (optional): If specified, the fragment will be created in this context,
// defaults to document
// Set the base href for the created document

// Attach a bunch of functions for handling common AJAX events
jQuery.each(
["ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend"],
function( i, type ) { jQuery.fn[type] = function( fn ) { this.on( type, fn ); } });

jQuery.expr.pseudos.animated = function( elem ) {
return jQuery.grep( jQuery.timers, function( fn ) { return elem === fn.elem; } ).length;
};

jQuery.offset = {
setOffset: function( elem, options, i ) {
var curPosition, curLeft, curCSSTop, curTop, curOffset, curCSSLeft, calculatePosition,
position = jQuery.css( elem, "position" ),
curElem = jQuery( elem ),
props = {};

if ( position === "static" ) {
    elem.style.position = "relative";
}

curOffset = curElem.offset();
curCSSTop = jQuery.css( elem, "top" );
curCSSLeft = jQuery.css( elem, "left" );

if ( position === "absolute" ) {
    position === "fixed" ) {
        curPosition = curElem.position();
        curTop = curPosition.top;
        curLeft = curPosition.left;
    } else {
        curPosition = curOffset;
        curOffset = curPos;
    }
}

if ( isFunction( options ) ) {
    options = options.call( elem, i, jQuery.extend( {}, curOffset ) );
}

if ( options.top != null ) {
    props.top = (position === "static" ) {
        return elem.tagName.toLowerCaseathering;
};

// Attach a bunch of functions for handling common AJAX events
jQuery.each(
["ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend"],
function( i, type ) { jQuery.fn[type] = function( fn ) { this.on( type, fn ); } });

jQuery.expr.pseudos.animated = function( elem ) {
return jQuery.grep( jQuery.timers, function( fn ) { return elem === fn.elem; } ).length;
};

jQuery.offset = {
setOffset: function( elem, options, i ) {
var curElement, curPosition, curLeft, curCSSTop, curTop, curOffset, curCSSLeft, calculatePosition,
position = jQuery.css( elem, "position" ),
curElem = jQuery( elem ),
props = {};

if ( position === "static" ) {
    elem.style.position = "relative";
}

curOffset = curElem.offset();
curCSSTop = jQuery.css( elem, "top" );
curCSSLeft = jQuery.css( elem, "left" );

if ( position === "absolute" ) {
    position === "fixed" ) {
        curPosition = curElem.position();
        curTop = curPosition.top;
        curLeft = curPosition.left;
    } else {
        curPosition = curOffset;
        curOffset = curPos;
    }
}

if ( isFunction( options ) ) {
    options = options.call( elem, i, jQuery.extend( {}, curOffset ) );
}

if ( options.top != null ) {
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```
(function( elem, computed ) {
    if ( computed ) {
        computed = curCSS( elem, here
    }
    jQuery.each( ["top", "left"], function( i, prop ) {
        jQuery.cssHooks[ prop ] = addGetHookIf(
            specified for top/left/bottom/right;
// rather than make the css module depend on the offset module, just check for it
https://bugs.chromium.org/p/chromium/issues/detail?id=589347
// getComputedStyle returns percent when
// Webkit bug: https://bugs.webkit.org/show_bug.cgi?id=29084
// Blink bug:
    }
} );

// Support: Safari <=7 - 9.1, Chrome <=37 - 49
// Add the top/left cssHooks using
win.scrollTo(
				);

			} else {
				elem[ method ] = val;
			}

			if ( win ) {
				win.scrollTo(
					!top ? val : win.pageXOffset,
					top ? val :
	var rect, win,
				win = elem.defaultView;
			}

			if ( val === undefined ) {
				return win ? win[ prop ] : elem[

			// Coalesce documents and element marginals
			// Account for the *real* offset parent, which can be the document or its root element
			// when a statically positioned element is identified
			// Incorporate borders into its offset, since they are outside its content
			// Assume position:fixed implies availability of
			// Incorporate parent offset to offsetLeft/offsetTop
			// This method will return documentElement in the following cases:
			// 1) For the element inside the iframe without offsetParent, this method will return
			// but those exceptions were never presented as a real life use-cases
			// and might be considered as more preferable results.
			// This logic, however, is not guaranteed and can change at any point
			// in the future
			// This corresponds to the behavior of CSS absolute positioning
			// position by adding viewport scroll to viewport-relative gBCR
			// Return zeros for disconnected and hidden (display: none) elements (gh-2310)


```

---

```
options.top - curOffset.top ) + curTop:\n\n\n\n\n\n\n\n\n\n\n```

```
prop: \n\n
// If curCSS returns percentage, fallback to offset
\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
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\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
\n\n\n\n// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
and jQuery is normally delivered in a lowercase
file name. Do this after creating the global so that if an AMD
module wants to call noConflict to hide this version of jQuery, it will work.

// Note that for maximum portability, libraries that are not jQuery should
declare themselves as anonymous modules, and avoid setting a
global if an
AMD loader is present. jQuery is a special case. For more information, see


\n
Map over jQuery in case of overwrite:\njQuery = window.jQuery, window.$; Map over the $ in case of overwrite:\n\nwindow.$;\n
window.$noConflict = function( deep ) {\n\n    ( deep &\& window.jQuery === jQuery ) \n    \n    window.$;\n
\n
\n
Note that for maximum
portability, libraries that are not jQuery should declare themselves as anonymous modules, and avoid setting a
global if an
AMD loader is present. jQuery is a special case. For more information, see


\n
Map over jQuery in case of overwrite:\njQuery = window.jQuery, window.$; Map over the $ in case of overwrite:\n\nwindow.$;\n
window.$noConflict = function( deep ) {\n\n    ( deep &\& window.jQuery === jQuery ) \n    \n    window.$;
var COMPARE_PARTIAL_FLAG = 1; var COMPARE_UNORDERED_FLAG = 2;

/**
 * The base implementation of `_.matchesProperty` which doesn't clone `srcValue`.
 */
function baseMatchesProperty(path, srcValue) {
  if (isKey(path) && isStrictComparable(srcValue)) {
    return matchesStrictComparable(toKey(path), srcValue);
  }
  return function(object) {
    var objValue = get(object, path);
    return (objValue === undefined && objValue === srcValue)
      ? hasIn(object, path)
      : baseIsEqual(srcValue, objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG);
  };
}

module.exports = baseMatchesProperty;

"use strict";

var str = "razdwatrzy";

module.exports = function () {
	if (typeof str.contains !== "function") return false;
	return (str.contains("dwa") === true) && (str.contains("foo") === false);
};

var ctx = require('./_ctx');
var invoke = require('./_invoke');
var html = require('./_html');
var cel = require('./_dom-create');
var global = require('./_global');
var process = global.process;
var setTask = global.setImmediate;
var clearTask = global.clearImmediate;
var MessageChannel = global.MessageChannel;

var counter = 0;
var queue = {};
var ONREADYSTATECHANGE = 'onreadystatechange';
var defer, channel, port;
var run = function () {
  var id = +this;
  if (queue.hasOwnProperty(id)) {
    var fn = queue[id];
    delete queue[id];
    fn();
  }
};
var listener = function (event) {
  run.call(event.data);
};

if (!setTask || !clearTask) {
  setTask = function setImmediate(fn) {
    var args = [];
    var i = 1;
    while (arguments.length > i) args.push(arguments[i++]);
    queue[++counter] = function () {
      invoke(typeof fn == 'function' ? fn : Function(fn), args);
    };
    defer(counter);
    return counter;
  };
  clearTask = function clearImmediate(id) {
    delete queue[id];
  };
  if (require('./_cof')(process) == 'process') {
    defer = function (id) {
      process.nextTick(ctx(run, id, 1));
    };
    // Sphere (JS game engine) Dispatch API!
  } else if (Dispatch && Dispatch.now) {
    defer = function (id) {
      Dispatch.now(ctx(run, id, 1));
    };
  } else if (global.addEventListener && typeof postMessage == 'function') {
    defer = function (id) {
      global.postMessage(id + '', 'http://localhost');
    };
  } else {
    defer = function (id) {
      setTimeout(ctx(run, id, 1), 0);
    };
  }
}

module.exports = {
  set: setTask,
  clear: clearTask
};

/**
 * Checks if `value` is the
 * [language type](http://www.ecma-international.org/ecma-262/7.0/#sec-ecmascript-language-types)
 * of `Object`. (e.g. arrays, functions, objects, regexes, `new Number(0)`). and `new String("")`)
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an object, else `false`.
 * @example
 *
 * _.isObject({});
 * // => true
 *
 * _.isObject([1, 2, 3]);
 * // => true
 *
 * _.isObject(_.noop);
 * // => true
 */
function isObject(value) {
  var type
typeof value;\n return value !== null &\n & (typeof value === 'object' &\n type === 'function');\n
module.exports = isObject;\n
/*\n * A specialized version of `baseIsEqualDeep` for comparing objects of\n * the same `toStringTag`.\n *\n * This function only supports comparing values with tags of\n * `Boolean`, `Date`, `Error`, `Number`, `RegExp`, or `String`.\n *\n * @private\n * @param {Object} object The\n * object to compare.\n * @param {Object} other The other object to compare.\n * @param {string} tag The\n * `toStringTag` of the objects to compare.\n * @param {number} bitmask The bitmask flags. See `baseIsEqual` for\n * more details.\n * @param {Function} customizer The function to customize comparisons.\n * @param {Function} equalFunc The function to determine equivalents of values.\n * @param {Object} other The other object.\n * @param {Array|Object} collection The collection to iterate over.\n * @param {Function} predicate The function invoked per iteration.\n * @returns {boolean} Returns `true` if all elements pass the predicate check,
 * else `false`.\n */

function baseEvery(collection, predicate) {
  var result = true;\n  baseEach(collection, function(value, index, collection) {
    result = !!predicate(value, index, collection);\n    return result;\n  });\n  return result;
}

module.exports = baseEvery;
this, otherArgs);
  };
}

module.exports = overRest;

"use strict";
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fab';
var iconName = 'linkedin';
var width = 448;
var height = 512;
var ligatures = [];
var unicode = 'f08c';
var svgPathData = 'M416 32H31.9C14.3 32 0 46.5 0 64.3v488h416c-17.8-14.4-32-32-32-32m315.4416h2.665V416z-33.2-243c-21.3 0-38.5-17.3 38.5-80.996 102.296c21.2 0 38.5 17.3 38.5 80.996 21.3-17.2 38.5-38.5 38.5-38.5;282.1 243h-66.4V312c-24.8-5.6-56.7-34.56-39.9-39.9 27-39.9 54.9V416h-66.4V202.2h32.7v9.8c9.8-16.8 30.6-34.5 62.9-34.5 67.2 0 79.7 44.3 79.7 101.9V416z';

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [width, height, ligatures, unicode, svgPathData]
};

exports.faLinkedin = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = 'svgPathData';

var isObject = require('./_is-object');
var document = require('./_global').document;
// typeof document.createElement is 'object' in old IE
var is = isObject(document) && isObject(document.createElement);
module.exports = function (it) {
  return is ? document.createElement(it) : {};
};

var memoize = require('./memoize');

/** Used as the maximum memoize cache size. */
var MAX_MEMOIZE_SIZE = 500;

/**
 * A specialized version of `_.memoize` which clears the memoized
 * function's cache when it exceeds `MAX_MEMOIZE_SIZE`.
 *
 * @private
 * @param {Function} func The function to have its output memoized.
 * @returns {Function} Returns the new memoized function.
 */
function memoizeCapped(func) {
  var result = memoize(func, function(key) {
    if (cache.size === MAX_MEMOIZE_SIZE) {
      cache.clear();
    }
    return key;
  });

  var cache = result.cache;
  return result;
}

module.exports = memoizeCapped;

// getting tag from 19.1.3.6 Object.prototype.toString()
var cof = require('./_cof');
var TAG = require('./_wks')('toStringTag');
// ES3 wrong here
var ARG = cof(function () {
  return arguments;
}());

// fallback for IE11 Script Access Denied error
var tryGet = function (it, key) {
  try {
    return it[key];
  } catch (e) { /* empty */ }
};

module.exports = function (it) {
  var O, T, B;
  return it === undefined ? 'Undefined' : it === null ? 'Null'
    // @@toStringTag case
    : typeof (T = tryGet(O = Object(it), TAG)) == 'string' ? T
    // builtinTag case
    : ARG ? cof(O)
    // ES3 arguments fallback
    : (B = cof(O)) == 'Object' && typeof O.callee == 'function' ? 'Arguments' : B;
};

var baseFor = require('./_baseFor'),
  keys = require('./keys');

/**
 * The base implementation of `_.forOwn` without support
 * for iteratee shorthands.
 *
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Object} Returns `object`.
 */
function baseForOwn(object, iteratee) {
  return object && baseFor(object, iteratee, keys);
}

module.exports = baseForOwn;

var root = require('./_root');

/** Built-in value references. */
var Uint8Array = root.Uint8Array;

module.exports = Uint8Array;

var getMapData = require('./_getMapData');

/**
 * Gets the map value for `key`.
 *
 * @private
 * @name get
 * @memberOf MapCache
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function mapCacheGet(key) {
  return getMapData(this, key).get(key);
}

module.exports = mapCacheGet;

var nativeCreate = require('./_nativeCreate');

/** Used to stand-in for 'undefined' hash values. */
var HASH_UNDEFINED = '__lodash_hash_undefined__';

/**
 * Creates a hash object with `hashSize` hash values.
 *
 * @private
 * @param {number} hashSize The size of the hash object.
 * @returns {Object} Returns the hash object.
 */
function hash(size) {
  var hash = size && new Hash(size);

  return hash;
}

module.exports = hash;

var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/** `Object#toString` result references. */
var argsTag = '[object Arguments]';

/**
 * Checks if `predicate` returns
 * `true` for all elements of `collection`.
 *
 * @private
 * @param {Collection} collection The collection to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @returns {boolean} Returns `true` if `predicate` returns
 * `true` for all elements, else `false`.
 */
function overEvery(collection, predicate) {
  return collection && // guarantee collection is an object.
    baseEvery(collection, function (value, index, collection) {
      return !!predicate(value, index, collection);
    });
}

module.exports = overEvery;
The key of the value to remove.

```javascript
function stackDelete(key) {
  var data = this.__data__,
      result = data['delete'](key);

  this.size = data.size;
  return result;
}
```

## isLength

The value to check.

```javascript
function isArrayLike(value) {
  return value != null && isLength(value.length) && !isFunction(value);
}
```

## fast apply

```javascript
module.exports = function (fn, args, that) {
  var un = that === undefined;
  switch (args.length) {
    case 0: return un ? fn() : fn.call(that);
    case 1: return un ? fn(args[0]) : fn.call(that, args[0]);
    case 2: return un ? fn(args[0], args[1]) : fn.call(that, args[0], args[1]);
    case 3: return un ? fn(args[0], args[1], args[2]) : fn.call(that, args[0], args[1], args[2]);
    case 4: return un ? fn(args[0], args[1], args[2], args[3]) : fn.call(that, args[0], args[1], args[2], args[3]);
  } return fn.apply(that, args);
};
```

## getSymbols

```javascript
module.exports = getSymbols;
```

## isHostCtor

```javascript
module.exports = function (it) {
  return it !== undefined && (Iterators.Array === it || ArrayProto[ITERATOR] === it);
};
```

## isNative

```javascript
function baseIsNative(value) {
  if (!isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.call(RegExp.prototype, value) || it === undefined & (Iterators.Array === it || it === ArrayProto[ITERATOR]) || it === it || it === it;
}
```

## isValue

```javascript
function getValue(object, key) {
  return object == null ? undefined : object[key];
}
```

## isValue

```javascript
function getValue(object, key) {
  return object == null ? undefined : object[key];
}
```

## isNative

```javascript
function baseIsNative(value) {
  if (isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.call(RegExp.prototype, value) || it === undefined & (Iterators.Array === it || it === ArrayProto[ITERATOR]) || it === it || it === it;
}
```

## isNative

```javascript
function baseIsNative(value) {
  if (isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.call(RegExp.prototype, value) || it === undefined & (Iterators.Array === it || it === ArrayProto[ITERATOR]) || it === it || it === it;
}
```
require('./_getRawTag'),
    objectToString = require('./_objectToString');

/** `Object#toString` result references. */
var nullTag = '[object Null]',
    undefinedTag = '[object Undefined]';

/** Built-in value references. */
var symToStringTag = Symbol ? Symbol.toStringTag : undefined;

/**
 * The base implementation of `getTag` without fallbacks for buggy environments.
 *
 * @private
 * @param {*} value The value to query.
 * @returns {string} Returns the `toStringTag`.  
 */
function baseGetTag(value) {
  if (value == null) {
    return value === undefined ? undefinedTag : nullTag;
  }
  return (symToStringTag &&
    symToStringTag in Object(value))
? getRawTag(value)
: objectToString(value);
}

module.exports = baseGetTag;

/* Built-in method references that are verified to be native. */
var WeakMap = getNative(root, 'WeakMap');

module.exports = WeakMap;

/**
 * Copyright (c) 2016-present dalphyx <wjcbmk@gmail.com>
 * Released under the MIT License.
 */
(function (global, factory) {
	typeof exports === 'object' && typeof module !== 'undefined' ? module.exports = factory() :
	typeof define === 'function' && define.amd ? define(factory) :
	(global.vueHeadroom = factory());
}(this, (function () { 'use strict';

	var commonjsGlobal = typeof window !== 'undefined' ? window : typeof global !== 'undefined' ? global : typeof self !== 'undefined' ? self :
{}

	function createCommonjsModule(fn, module) {
		return module = { exports: {} }, fn(module, module.exports), module.exports;
	}

	var performanceNow = createCommonjsModule(function (module) {
	// Generated by CoffeeScript 1.12.2
	(function() {
	  var getNanoSeconds, hrtime, loadTime,
	      moduleLoadTime, nodeLoadTime, upTime;

	  if ((typeof performance !== "undefined" && performance !== null) && performance.now) {
	    module.exports = function() {
	      return performance.now();
	    };
	  }
[...remaining code...]
var supports3d = function() {
    // In a new function to prevent `setTimeout` `cancel` potentially being assigned.
    return Math.round(Math.sqrt(2));
}

function mounted() {
    this.isSupport3d = supports3d();

    if (!this.disabled) {
        this.scroller().addEventListener('scroll', this._handleScroll);
    }

    this.footroom = {
        type: Boolean,
        default: false
    }

    this.classes = {
        type: Object,
        default: function _default() {
            return defaultCls;
        }
    }

    this.offset = {
        type: Number,
        default: 0
    }

    this.onPin = Function,
    onUnpin: Function,
    onTop: Function,
    onNotTop: Function,

    this.easing = {
        type: String,
        default: 'ease-in-out'
    }

    this.zIndex: {
        type: Number,
        default: 99999
    }

    this.onPin: Function,
    onUnpin: Function,
}

function checkActions(states) {
    var direction = states.currentScrollY >= states.lastScrollY ? 'down' : 'up';
    var distanceScrolled = Math.abs(states.currentScrollY - states.lastScrollY);

    if (direction === 'down' && distanceScrolled > states.downTolerance) {
        action = 'pin'; // Now it's time to up.
        // Unpin the header.
        if (direction === 'down' && states.currentScrollY >= states.offset && distanceScrolled > states.downTolerance) {
            action = 'unpin'; // Now it's time to up.
            // Unpin the header.
        } else if (direction === 'up' && distanceScrolled > states.upTolerance) {
            action = 'pin'; // Now it's time to up.
            // Unpin the header.
        } else if (direction === 'up' && distanceScrolled > states.upTolerance) {
            action = 'pin'; // Now it's time to up.
            // Unpin the header.
        } else if (direction === 'down' && distanceScrolled > states.downTolerance) {
            action = 'unpin'; // Now it's time to up.
            // Unpin the header.
        } else if (direction === 'up' && distanceScrolled > states.upTolerance) {
            action = 'pin'; // Now it's time to up.
            // Unpin the header.
        } else if (direction === 'up' && distanceScrolled > states.upTolerance) {
            action = 'pin'; // Now it's time to up.
            // Unpin the header.
        }
    }

    if (direction === 'down' && distanceScrolled > states.downTolerance) {
        action = 'pin'; // Now it's time to up.
        // Unpin the header.
    } else if (direction === 'up' && distanceScrolled > states.upTolerance) {
        action = 'pin'; // Now it's time to up.
        // Unpin the header.
    }

    return ret;
}

if (typeof document !== 'undefined') {
    Object.assign = polyfill(document);
    Object.defineProperty = polyfill(document);
    Object.create = polyfill(document);
}

Object.defineProperty(document, '__proto__', { value: null, configurable: true, writable: true });

Object.getPrototypeOf(document);
```
var install = function install(Vue) {
    if (install.installed) {
        return;
    }

    Vue.component(headroom.name, headroom);
};

if (typeof window !== 'undefined' && window.Vue) {
    install(window.Vue);
}

index = {
    headroom: headroom,
    install: install
};

return index;
```
```
Object.keys(O)ToObject = require('to-object')\nvar Keys = require('lodash-keys')\n\n\n// 7.1.4 ToInteger\nvar ceil = Math.ceil;\nvar floor = Math.floor;\n
\nmodule.exports = function (bitmap, value) {
  return {
    enumerable: !(bitmap & 1),
    configurable: !(bitmap & 2),
    writable: !(bitmap & 4),
    value: value
  };
};

var baseForOwn = require('./_baseForOwn'),
    createBaseEach = require('./_createBaseEach');

/**
 * The base implementation of `_.forEach` without support for iteratee shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array|Object} Returns `collection`.
 */
var baseEach = createBaseEach(baseForOwn);

module.exports = baseEach;

/*!
 * vue-social-sharing v2.3.3 
 * (c) 2017 nicolasbeauvais
 * Released under the MIT License.
 */

function _interopDefault (ex) { return (ex && (typeof ex === 'object') && 'default' in ex) ? ex['default'] : ex; }

var Vue = _interopDefault(require('vue'));

var SocialSharingNetwork = {
  functional: true,

  props: {
    network: {
      type: String,
      default: ''
    }
  },

  render: function (createElement, context) {
    var network = context.parent._data.baseNetworks[context.props.network];

    if (!network) {
      console.warn("Network " + (context.props.network) + " does not exist");
    }

    return createElement(context.parent.networkTag, {
      staticClass: context.data.staticClass || null,
      staticStyle: null
    });
  }
};
```
context.data.staticStyle || null,
context.data.class || null,
context.data.style || null,
context.data.attrs.id || null,
'context': null,
'props': null,
'node': null,
'network': null,

context.parent.createSharingUrl(context.props.network),

context.parent.touch(context.props.network),

context.children;

function () {
  context.parent.share(context.props.network);
}

context.parent.touch(context.props.network),

context.children;

function () {
  context.parent.touch(context.props.network);
}

function () {
  context.parent.touch(context.props.network);
}

function () {
  context.parent.touch(context.props.network);
}

email = {
  "sharer": "mailto:?subject=@title&body=@url%0D%0A%0D%0A@description","type":"direct";
}

facebook = {
  "sharer": "https://www.facebook.com/sharer/sharer.php?u=@url&title=@title&description=@email&quote @quote","type":"popup";
}

googleplus = {
  "sharer": "https://plus.google.com/share?url=@url","type":"popup";
}

line = {
  "sharer": "http://line.me/R/msg/text/?@description%0D%0A@url","type":"popup";
}

linkedin = {
  "sharer": "https://www.linkedin.com/shareArticle?mini=true&url=@url&title=@title&summary=@description","type":"popup";
}

odnoklassniki = {
  "sharer": "https://connect.ok.ru/dk?st.cmd=WidgetSharePreview&st.shareUrl=@url&st.comments=@description","type":"popup";
}

pinterest = {
  "sharer": "https://pinterest.com/pin/create/button/?url=@url&media=@media&description=@title","type":"popup";
}

reedit = {
  "sharer": "https://www.reddit.com/submit?url=@url&title=@title","type":"popup";
}

skype = {
  "sharer": "https://web.skype.com/share?url=@url","type":"popup";
}

telegram = {
  "sharer": "https://t.me/share/url?url=@url&text==?description","type":"popup";
}

twitter = {
  "sharer": "https://twitter.com/intent/tweet?text==?description&url=@url&hashtags=@hashtags@twitteruser","type":"popup";
}

vk = {
  "sharer": "https://vk.com/share.php?url=@url&title=@title","type":"popup";
}

weibo = {
  "sharer": "http://service.weibo.com/share/share.php?url=@url&title=@title","type":"popup";
}

whatsapp = {
}

swindows = {
}

socialsharing = {
  "url": inBrowser ? window.location.href : '',
  "title": '',
  "description": '',
  "quote": '',
  "hashtags": '',
  "tags": '',
  "twitteruser": '',
  "url": inBrowser ? window.location.href : '',
  "media": '',
  "networkTag": 'span'
};
```
`baseNetworks: BaseNetworks,

popup: { @param在网络key @returns generated

sharer url @param network Social network key

this.openSharer(network, this.createSharingUrl(network));

var this$1 = this;

if (this.popup.window && this.popup.interval) {
  clearInterval(this.popup.interval);

  this.popup.window.close();// Force close (for Facebook)

  this.$root.$emit('social_shares_close', network, this.url);
  this.$emit('close', network, this.url);
}

'popup: {
  status: false,
  resizable: true,
  toolbar: false,
  menubar: false,
  scrollbars: false,
  location: false,
  directories: false,
  width: 626,
  height: 436,
  top: 0,
  left: 0,
  window: undefined,
  interval: null
},

methods: {
  createSharingUrl: function createSharingUrl (network) {
    return this.baseNetworks[network].sharer
      .replace(/@url/g, encodeURIComponent(this.url))
      .replace(/@title/g, encodeURIComponent(this.title))
      .replace(/@description/g, encodeURIComponent(this.description))
      .replace(/@quote/g, encodeURIComponent(this.quote))
      .replace(/@hashtags/g, this.hashtags)
      .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
  },

  share: function share (network) {
    this.openSharer(network, this.createSharingUrl(network));

    this.$root.$emit('social_shares_open', network, this.url);
    this.$emit('open', network, this.url);
  },

  touch: function touch (network) {
    window.open(this.createSharingUrl(network), '_self');

    this.$root.$emit('social_shares_open', network, this.url);
    this.$emit('open', network, this.url);
  },

  openSharer: function openSharer (network, url) {
    var this$1 = this;

    // If a popup window already exist it will be replaced, trigger a close
    // event if (this.popup.window && this.popup.interval) {
    //  clearInterval(this.popup.interval);
    //  this.popup.window.close(); // Force close (for Facebook)
    //  this.$root.$emit('social_shares_close', network, this.url);
    //  this.$emit('close', network, this.url);
    //}

    this.popup.left = ((this.popup.width / 2) - (this.popup.width / 2)) + dualScreenLeft;
    this.popup.top = ((this.popup.height / 2) - (this.popup.height / 2)) + dualScreenTop;

    this.popup.window.close();// Force close (for Facebook)

    this.$root.$emit('social_shares_close', network, this.url);
    this.$emit('close', network, this.url);
  },

  beforeMount: function beforeMount (network) { Vue.util.extend(this.baseNetworks, this.networks);

  mounted: function mounted () {
    if (!inBrowser) {
      return;
    }

    if (this.popup.window && this.popup.interval) {
      clearInterval(this.popup.interval);

      this.popup.window.close();// Force close (for Facebook)

      this.$root.$emit('social_shares_close', network, this.url);
      this.$emit('close', network, this.url);
    }

    Vue.component('social-sharing', network, this.url);
'sharing-options.url': null,
'sharing-options.title': 'Awesome App by ICIJ',
'sharing-options.description': 'null',
'sharing-options.twitter-user': 'ICIJorg',
'signup-form.action': 'https://icij.us15.list-manage.com/subscribe/post?u=0d48a33b1e24d257734cc2a79&id=992ecfdbb2',
'donate-form.introduction':
'ICIJ’s investigations are supported by readers like you. Help keep our


function () {
  var value = promise._v;
  var unhandled = isUnhandled(promise);
  var result, handler,
  console;
  if (unhandled) {
    result = perform(function () {
      var handler = global.onunhandledrejection;
      function (promise, reason: value ) {
        if ((console = global.console) &
          & console.error) {
          console.error('Unhandled promise rejection', value);
        }
      }
      // Browsers should not trigger 'rejectionHandled' event if it was handled here. NodeJS should throw
      if (isNode &
        isUnhandled = function (promise) {
          return promise._h === 1 &
            & (promise._a || promise._c).length === 0;
        }
      } &
      var onHandleUnhandled = function (promise) {
        task.call(global, function () {
          if (isNode &
            promise._h = isNode | isUnhandled(promise) ? 2 : 1;
            promise._a = undefined;
          if (unhandled &
            result.e) throw result.v;
        });
        if (isNode &
          promise._a = undefined;
        if (unhandled &
          result.e) throw result.v;
        } &
      } &
      var $reject = function (value) {
        var promise = this;
        if (promise._d) return;
        promise._d = true;
        promise = promise._w || promise; // unwrap
        promise._v = value;
        promise._s = 2;
        if (!$reject.call(promise, promise._a &
          promise._c.slice()) &
          notify(promise, true);
        } &
        var $resolve = function (value) {
          var promise = this;
          var then;
          if (promise._d) return;
          promise = promise._w || promise; // unwrap
          try {
            if (promise === value) throw TypeError('Promise can't be resolved itself');
            if (then = isThenable(value)) {
              microtask(function () {
                var wrapper = { _w: promise, _d: false }; // wrap
                try {
                  then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
                } catch (e) {
                  var $reject.call(wrapper, e);
                }
              });
            } else {
              promise._v = value;
              promise._s = 1;
              notify(promise, false);
            }
          } catch (e) {
            $reject.call(wrapper, e);
          }
        }
      } &
      constructor polyfill
      if (!USE_NATIVE) {
        Promise(executor) {
          anInstance(this, Promise, '_h');
          aFunction(executor);
          Internal.call(this);
          try {
            executor(ctx($resolve, this, 1), ctx($reject, this, 1));
          } catch (err) {
            $reject.call(this, err);
          }
        } &
        Promise.prototype.then(onFulfilled, onRejected) {
          var capability = newPromiseCapability(this);
          var $$reject = capability.reject;
          $$reject(err);
        }
      } &
      Promise.prototype.catch(onRejected) {
        return promiseResolve(LIBRARY && this === Wrapper ? $Promise : this, x);
      }
    }
  } &
  var promise = new Promise((
    function (resolve) {
      resolve(value);
    }) &
  ) &
  new PromiseCapability = function (C) {
    var C = new C && newGenericPromiseCapability(C);
    newPromiseCapabilityModule.f = newPromiseCapability = function (C) {
      C = new C &
        new PromiseCapability(C);
      return C;
    }
  } &
  Promise.prototype.then(onFulfilled, onRejected) {
    return promiseThen(onFulfilled, onRejected)
  } &
  Promise.prototype.catch(onRejected) {
    return promiseThen(undef

function (promise) {
  var index = index++;
  var alreadyCalled = false;
  values.push(undefined);
  remaining++;
  $index = index++;
  var alreadyCalled = false;
  values.push(undefined);
  remaining++;
  C.resolve(promise).then(function (value) {
    if (alreadyCalled) return;
    alreadyCalled = true;
    values[$index] = value;
    --remaining || resolve(values);
  }, reject);
}

--remaining || resolve(values);
if (result.e) reject(result.v);
return capability.promise;
},
// 25.4.4 Promise.race( iterable )
race: function race(iterable) {
  var C = this;
  var capability = newPromiseCapability(C);
  var reject = capability.reject;
  return capability.promise;
  },
});

var core = require('./_core');
var global = require('./_global');
var SHARED = '__core-js_shared__';
var store = global[SHARED] || (global[SHARED] = {});

(module.exports = function (key, value) {
  return store[key] || (store[key] = value !==
defineProperty(key, value) || {});
})('versions', []).push({
  version: core.version,
  mode: require('./_library') ? 'pure' :
  'global',
  copyright: '© 2018 Denis Pushkarev (zloirock.ru)'
});

/**
 * Checks if a stack value for `key`
 * exists.
 * @private
 * @name has
 * @memberOf Stack
 * @param {string} key The key of the entry to
 * check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 * @example
 * var stack = new Stack();
 * stack.set('happy', 5);
 * stack.has('happy') // returns true
 */
function stackHas(key) {
  return this.__data__.has(key);
}

module.exports = stackHas;

var overArg = require('./_overArg');

/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeKeys = overArg(Object.keys, Object);

module.exports = nativeKeys;

/**
 * Checks if free variable `global`
 * exists.
 * @private
 * @name freeGlobal
 * @memberOf Stack
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 * @example
 * var stack = new Stack();
 * stack.set('happy', 5);
 * stack.freeGlobal() // returns true
 */
function freeGlobal() {
  return true;
}

module.exports = freeGlobal;

/* Base implementation of `_.reduce` and `_.reduceRight`, without support
for iteratee shorthands, which iterates over `collection` using
`eachFunc`.

* @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} accumulator The initial value.
 * @param {boolean} initAccum Specify using the first or last element of
 *  `collection` as the initial value.
 * @param {Function} eachFunc The function to iterate over `collection`.
 * @returns {*} Returns the accumulated value.
 */
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(value, index, collection);
      return accumulator;
    },
    function(accumulator, index, collection) {
      return accumulator;
    },
    function(value, index, collection) {
      return value;
    },
    function(result, accumulator, index, collection) {
      return result;
    },
    function(value) {
      return value;
    });
    return result;
}

/* Native methods for those with the same name as other `lodash` methods. */
var nativeObjectKeys = overArg(Object.keys, Object);

module.exports = nativeObjectKeys;

/**
 * The base implementation of `_.reduce` and `_.reduceRight`, without support
 * for iteratee shorthands, which iterates over `collection` using
 * `eachFunc`.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} accumulator The initial value.
 * @param {boolean} initAccum Specify using the first or last element of
 *  `collection` as the initial value.
 * @param {Function} eachFunc The function to iterate over `collection`.
 * @returns {*} Returns the accumulated value.
 */
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(value, index, collection);
      return accumulator;
    },
    function(accumulator, index, collection) {
      return accumulator;
    },
    function(value, index, collection) {
      return value;
    },
    function(result, accumulator, index, collection) {
      return result;
    },
    function(value) {
      return value;
    });
    return result;
}

/* Native methods for those with the same name as other `lodash` methods. */
var nativeObjectKeys = overArg(Object.keys, Object);

module.exports = nativeObjectKeys;

/**
 * The base implementation of `_.reduce` and `_.reduceRight`, without support
 * for iteratee shorthands, which iterates over `collection` using
 * `eachFunc`.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} accumulator The initial value.
 * @param {boolean} initAccum Specify using the first or last element of
 *  `collection` as the initial value.
 * @param {Function} eachFunc The function to iterate over `collection`.
 * @returns {*} Returns the accumulated value.
 */
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(value, index, collection);
      return accumulator;
    },
    function(accumulator, index, collection) {
      return accumulator;
    },
    function(value, index, collection) {
      return value;
    },
    function(result, accumulator, index, collection) {
      return result;
    },
    function(value) {
      return value;
    });
    return result;
}
iteratee(accumulator, value, index, collection) { return accumulator, value, index, collection; }
The key of the value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the list cache instance.\n */

/**
 * @param {string} key The key of the value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the list cache instance.\n */
function listCacheSet(key, value) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    ++this.size;
    data.push([key, value]);
  } else {
    data[index][1] = value;
  }

  return this;
}

/**
 * Returns `false` if the entry was removed, else `true`.\n * @param {string} key The key of the value to remove.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.\n */
function listCacheDelete(key) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    return false;
  }
  var lastIndex = data.length - 1;
  if (index == lastIndex) {
    data.pop();
  } else {
    splice.call(data, index, 1);
  }

  --this.size;
  return true;
}

/**
 * A specialized version of `_.reduce` for arrays without support
 * for iteratee shorthands.\n * @private\n * @param {Array} [array] The array to iterate over.\n * @param {Function} iteratee The function invoked per iteration.\n * @param {*} [accumulator] The initial value.\n * @returns {*} Returns the accumulated value.\n */
function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
      length = array == null ? 0 : array.length;

  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

/**
 * @param {string} source The source string.\n * @returns {string} Returns the source string.\n */
function toString(source) {
  return source;
}

/**
 * @param {string} source The source string.\n * @returns {string} Returns the source string.\n */
function toObject(source) {
  return source;
}

/**
 * @param {string} source The source string.\n * @returns {string} Returns the source string.\n */
function toSource(source) {
  return source;
}

/**
 * @param {string} source The source string.\n * @returns {string} Returns the source string.\n */
function template(source) {
  return source;
}

/**
 * @param {string} source The source string.\n * @returns {string} Returns the source string.\n */
function unescape(source) {
  return source;
}

/**
 * @param {string} source The source string.\n * @returns {string} Returns the source string.\n */
function unsafeUnescape(source) {
  return source;
}

/**
 * The key of the value to get.\n * @param {string} key The key of the value to get.\n * @returns {mixed} Returns the value of the key.\n */
function getValue(key) {
  return get(key);
}

/**
 * The key of the value to remove.\n * @param {string} key The key of the value to remove.\n * @returns {null} Returns `null`.\n */
function removeValue(key) {
  return deleteValue(key);
}

/**
 * The key of the value to replace.\n * @param {string} key The key of the value to replace.\n * @returns {null} Returns `null`.\n */
function replaceValue(key) {
  return replace(key);
}

/**
 * The key of the value to set.\n * @param {string} key The key of the value to set.\n * @returns {null} Returns `null`.\n */
function setValue(key) {
  return set(key);
}
Open Source Used in APIC-SE-BATMAN v2.0.1  19077

1.299 25.34 1.299 49.055 0 94.213-44.832-46.132-4.918-47.106 8.447 16.568

var exports = require('exports'),
    exports.definition = {
  prefix: prefix, 
  iconName: iconName, 
  icon: [ Width, 
        height, 
        ligatures, 
        unicode, 
        svgPathData
  ];
}

exports.faTwitter = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName; 
exports.width = width; 
exports.height = height; 
exports.ligatures = ligatures; 
exports.unicode = unicode; 
exports.svgPathData = svgPathData;

"var arrayEach = require('./_arrayEach'), "
baseEach = require('./_baseEach'), 
  castFunction = require('./_castFunction'), 
  isArray = require('./isArray'); 

/* Iterator tests over elements of 'collection' and invokes 'iteratee' for each 
/* The iteratee is invoked with three arguments: (value, index|key, collection). 
/* Iteratee functions may exit iteration early by explicitly returning 'false'. 
/* As with other 'Collectors' methods, objects with a '\length\' property are treated like arrays. To avoid this behavior use \_\_forIn\" or \_\_forOwn\" 
/* object iteration. 

*/

function forEach(collection, iteratee) {
  var func = isArray(collection) ? 
    arrayEach : baseEach;

  return func(collection, castFunction(iteratee));
}

function arrayLikeKeys(value, inherited) {
  var isArr = isArray(value), 
      isArg = !isArr && isArguments(value), 
      isBuff = isBuffer(value), 
      isIndex = require('./_isIndex'), 
      isTypedArray = require('./isTypedArray');

  return baseTimes(value.length, String) 
    .map(function(value, key) {
      return convertToArray(value, key);
    });
}

function convertToArray(key, value) {
  return value;
}

Array(key); 

// Safari 9 has enumerable 
/* arguments.length in strict mode. 
   key = 'length' 
   // Node.js 0.10 has enumerable non-index properties on buffers. 
   (isBuffer && (key == 'offset' || key == 'parent')) 
"
enumerable non-index properties on typed arrays.

for (var key in object) {
  result.push(key);
}

return result;

// Extracted by mini-css-extract-plugin,
var createBaseFor = require('./_createBaseFor');

/**
 * The base implementation of `baseForOwn` which iterates over`object` properties returned by `keysFunc` and invokes `iteratee` for each property.
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {Function} keysFunc The function to get the keys of `object`.
 * @returns {Object} Returns `object`.
 */
var baseFor = createBaseFor;

module.exports = baseFor;

// Should work with symbols and should have deterministic property order (V8 bug)
module.exports = !Object.assign || require('./_fails')(function () {
  var A = {};
  var B = {};
  var S = Symbol();
  var K = 'abcdefghijklmnopqrst';
  A[S] = 7;
  K.split('').forEach(function (k) { B[k] = k; });
  return Object.keys($assign({}, A))[S] != 7 || Object.keys($assign({}, B)).join('') != K;
}) ? function assign(target, source) {
  var T = toObject(target);
  var aLen = arguments.length;
  var index = 1;
  var getSymbols = gOPS.f;
  var isEnum = pIE.f;
  while (aLen > index) {
    var S = IObject(arguments[index++]);
    var keys = getSymbols ? getKeys(S).concat(getSymbols(S)) : getKeys(S);
    var length = keys.length;
    var j = 0;
    var key;
    while (length > j) if (isEnum.call(S, key = keys[j++])) T[key] = S[key];
  }
  return T;
} : $assign;

module.exports = constant;

'the strict';

var isValue = require("../is-value");

var keys = Object.keys;

module.exports = function (object) { return keys(isValue(object) ? Object(object) : object); }

var baseGetTag = require('./_baseGetTag'),
    isLength = require('./isLength'),
    isObjectLike = require('./isObjectLike');

/**
 * `Object#toString` result references.
 */
var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    boolTag = '[object Boolean]',
    dateTag = '[object Date]',
    errorTag = '[object Error]',
    funcTag = '[object Function]',
    mapTag = '[object Map]',
    numberTag = '[object Number],

Open Source Used in APIC-SE-BATMAN v2.0.1 19078
objectTag = [object Object],
regexpTag = [object RegExp],
setTag = [object Set],
stringTag = [object String],
weakMapTag = [object WeakMap],
DataViewTag = [object DataView],
float32Tag = [object Float32Array],
float64Tag = [object Float64Array],
Int8Tag = [object Int8Array],
Int16Tag = [object Int16Array],
Int32Tag = [object Int32Array],
Uint8Tag = [object Uint8Array],
Uint8ClampedTag = [object Uint8ClampedArray],
Uint16Tag = [object Uint16Array],
Uint32Tag = [object Uint32Array],
objectTag = '[object Object]',
regexpTag = '[object RegExp]',
setTag = '[object Set]',
stringTag = '[object String]',
weakMapTag = '[object WeakMap]';

var arrayBufferTag = '[object ArrayBuffer]',
dataViewTag = '[object DataView]',
float32Tag = '[object Float32Array]',
float64Tag = '[object Float64Array]',
Int8Tag = '[object Int8Array]',
Int16Tag = '[object Int16Array]',
Int32Tag = '[object Int32Array]',
Uint8Tag = '[object Uint8Array]',
Uint8ClampedTag = '[object Uint8ClampedArray]',
Uint16Tag = '[object Uint16Array]',
Uint32Tag = '[object Uint32Array]',

/** Used to identify `toStringTag` values of typed arrays. */
var typedArrayTags = {};
typedArrayTags[float32Tag] = typedArrayTags[float64Tag] =
typedArrayTags[Int8Tag] = typedArrayTags[Int16Tag] =
typedArrayTags[Int32Tag] =
typedArrayTags[Uint8Tag] = typedArrayTags[Uint8ClampedTag] = typedArrayTags[Uint16Tag] =
typedArrayTags[arrsTag] = typedArrayTags[arrayTag] =
typedArrayTags[arrayBufferTag] = typedArrayTags[boolTag] = typedArrayTags[dateTag] =
typedArrayTags[errorTag] = typedArrayTags[funcTag] = typedArrayTags[mapTag] =
typedArrayTags[numberTag] = typedArrayTags[objectTag] = typedArrayTags[regexpTag] =
typedArrayTags[argsTag] = typedArrayTags[boolTag] =
typedArrayTags[dateTag] = typedArrayTags[errorTag] = typedArrayTags[funcTag] = typedArrayTags[mapTag] =
typedArrayTags[numberTag] = typedArrayTags[objectTag] = typedArrayTags[regexpTag] =
typedArrayTags[setTag] = typedArrayTags[stringTag] = typedArrayTags[weakMapTag] = false;

/**
 * The base implementation of `_.isTypedArray` without Node.js optimizations.
 */
function baseIsTypedArray(value) {
  return isObjectLike(value) &&
    isLength(value.length) &&
    !!typedArrayTags[baseGetTag(value)];
}

module.exports = baseIsTypedArray;

var baseToString = require('./_baseToString');

/**
 * Converts `value` to a string. An empty string is returned for `null` and
 * `undefined` values. The sign of `-0` is preserved.
 */
function toString(value) {
  return value == null ? '' : baseToString(value);
}

module.exports = toString;

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global =
  module.exports = typeof window != 'undefined' && window.Math == Math
    ? window :
    typeof self != 'undefined' && self.Math == Math
      ? self
      // eslint-disable-next-line no-new-func
      : Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-line no-undef

var toInteger = require('./_to-integer');
var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? index + length, 0) : min(index, length);
};

/**
 * A specialized version of `_.map` for arrays
 * without support for iteratee shorthands.
 */
function arrayMap(array, iteratee) {
  var index = -1,
      length = array == null ? 0 :
      array.length,
      result = Array(length);

  while (++index < length) {
    result[index] = iteratee(array[index], index, array);
  }
  return result;
}

module.exports = arrayMap;

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
var Map = getNative(root, 'Map');

module.exports = Map;

module.exports = module.exports = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return false;
  }
};

var nativeCreate = require('./_nativeCreate');

/**
 * Checks if a hash value for `key` exists.
 */
function hashHas(key) {
  var data = this::__data__;
  return hashHas(key) |
    this[Object.key]();
}

// Built-in method references that are verified to be native.

module.exports = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return false;
  }
};

var objectProto = Object.prototype;

/** Used for built-in method references. */

module.exports = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return false;
  }
};

var hasOwnProperty = objectProto.hasOwnProperty;

Object.defineProperty = Object.defineProperty;

var hasOwnProperty = objectProto.hasOwnProperty;

Object.defineProperty = Object.defineProperty;

var hasOwnProperty = objectProto.hasOwnProperty;

Object.defineProperty = Object.defineProperty;

var hasOwnProperty = objectProto.hasOwnProperty;

Object.defineProperty = Object.defineProperty;

var hasOwnProperty = objectProto.hasOwnProperty;

Object.defineProperty = Object.defineProperty;

var hasOwnProperty = objectProto.hasOwnProperty;

Object.defineProperty = Object.defineProperty;
```javascript
function AsyncGenerator() {
  this.promise = new Promise((resolve, reject) => {
    this._invoke = resolve;
  });
  this._invoke("next", undefined);
}

AsyncGenerator.prototype[Symbol.asyncIterator] = function () {
  return this;
};

AsyncGenerator.prototype.next = function (arg) {
  return this._invoke("next", arg);
};

AsyncGenerator.prototype.throw = function (arg) {
  return this._invoke("throw", arg);
};

AsyncGenerator.prototype.return = function (arg) {
  return this._invoke("return", arg);
};

return {
  wrap: function (fn) {
    return function () {
      return new AsyncGenerator(fn.apply(this, arguments));
    },
    await: function (value) {
      return new AwaitValue(value);
    }
};
}();

function objectWithoutProperties(obj, keys) {
  var target = {};
  for (var i in obj) {
    if (keys.indexOf(i) >= 0) continue;
    if (!Object.prototype.hasOwnProperty.call(obj, i)) continue;
    target[i] = obj[i];
  }
  return target;
}

function toConsumableArray(arr) {
  if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i];
    return arr2;
  } else {
    return Array.from(arr);
  }
}

function styleToObject(style) {
  return style.split(';').map(function (s) {
    return s.trim();
  }).filter(function (s) {
    return s;
  }).reduce(function (acc, pair) {
    var i = pair.indexOf(':');
    var prop = humps.camelize(pair.slice(0, i));
    var value = pair.slice(i + 1).trim();
    acc[prop] = value;
    return acc;
  }, {});
}

function classToObject(cls) {
  return cls.split(/\s+/).reduce(function (acc, c) {
    acc[c] = true;
    return acc;
  }, {});
}

function combineClassObjects() {
  for (var _len = arguments.length, objs = Array(_len), _key = 0; _key < _len; _key++) {
    objs[_key] = arguments[_key];
  }
  return objs.reduce(function (acc, obj) {
    if (Array.isArray(obj)) {
      acc = acc.concat(obj);
    } else {
      acc.push(obj);
    }
    return acc;
  }, []);
}

var PRODUCTION = false;
try {
  PRODUCTION = process.env.NODE_ENV === 'production';
} catch (e) {}

function log() {
  if (!PRODUCTION && console && typeof console.error === 'function') {
    var _console;
    (_console = console).error.apply(_console, arguments);
  }
}

function objectWithKey(key, value) {
  return Array.isArray(value) && value.length > 0 || !Array.isArray(value) && value ? defineProperty({}, key, value) : {};
}

function classList(props) {
  var _classes;
  var classes = (_classes = {
    'fa-spin': props.spin,
    'fa-pulse': props.pulse,
    'fa-fw': props.fixedWidth,
    'fa-border': props.border,
    'fa-li': props.listItem,
    'fa-flip-horizontal': props.flip === 'horizontal' || props.flip === 'both',
    'fa-flip-vertical': props.flip === 'vertical' ||
  }, key) => {
    var val = element.attributes[key];
    switch (key) {
      case 'class':
        acc['class'] = classToObject(val);
        break;
      case 'style':
        acc['style'] = styleToObject(val);
        break;
      default:
        acc[key] = val;
    }
  }, null);
  return;
} else {
  return;
}
```
var Stack = require('./_Stack'),
    equalArrays = require('./_equalArrays'),
    equalByTag = require('./_equalByTag'),

/**
 * Creates a map cache object
 * to store key-value pairs.
 * @private
 * @constructor
 * @param {Array} entries
 * The key-value pairs to
 * Add methods to `MapCache`.
 */
function MapCache(entries) {
  var index = -1,
      length = entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `MapCache.prototype`.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.set = mapCacheSet;

module.exports = MapCache;

// Add methods to `MapCache.prototype`.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.set = mapCacheSet;

module.exports = MapCache;

"use strict";

module.exports = require("./is-implemented")() ? Object.keys : require("./shim");

var Hash = require('./_Hash'),
    ListCache = require('./_ListCache'),
    Map = require('./_Map');

/**
 * Removes all key-value entries from the map.
 * @private
 * @name clear
 * @memberOf MapCache
 */
function mapCacheClear() {
  this.size = 0;
  this.__data__ = {
    'hash': new Hash,
    'map': new (Map || ListCache),
    'string': new Hash
  };
}

module.exports = mapCacheClear;

var arrayPush = require('./_arrayPush'),
    isArray = require('./isArray');

/**
 * The base implementation of `getAllKeys` and `getAllKeysIn` which uses
 * `keysFunc` and `symbolsFunc` to get the enumerable property names and
 * symbols of `object`.
 * @private
 * @param {Object} object The object to query.
 * @param {Function} keysFunc The function to get the keys of `object`.
 * @returns {Array} Returns the array of property names and symbols.
 */
function baseGetAllKeys(object, keysFunc, symbolsFunc) {
  var result = keysFunc(object);
  return isArray(object) ? result : arrayPush(result,
    symbolsFunc(object));
}

module.exports = baseGetAllKeys;

var ListCache = require('./_ListCache'),
    stackClear = require('./_stackClear'),
    stackDelete = require('./_stackDelete'),
    stackGet = require('./_stackGet'),
    stackSize = require('./_stackSize'),
    stackUnshift = require('./_stackUnshift');

/**
 * Returns the size of `stack`.
 * @private
 * @returns {number} Returns the size.
 */
function stackSize(stack) {
  return stackUnshift(stack) || 0;
}

/* global process */

defineProperty(object, string, value) {
  try {
    Object.defineProperty(object, string, {
      enumerable: true,
      configurable: true,
      writable: true,
      value: value
    });
  } catch (error) {}
require('./_stackGet'),
    stackHas = require('./_stackHas'),
    stackSet = require('./_stackSet');

/**
 * Creates
 * a stack cache object to store key-value pairs.
 * @private
 * @constructor
 * @param {Array} \[entries\] The
 * value The value to cache.
 * @returns {Object} Returns the cache instance.
 * @function
 * @memberOf Stack
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function Stack(entries) {
  var data = this.__data__ = new ListCache(entries);

  this.size = data.size;
}

// Add methods to `Stack`.
Stack.prototype.clear = stackClear;
Stack.prototype['delete'] = stackDelete;
Stack.prototype.get = stackGet;
Stack.prototype.has = stackHas;
Stack.prototype.set = stackSet;

module.exports = Stack;

/**
 * Adds `value` to the array cache.
 * @private
 * @name add
 * @memberOf SetCache
 * @alias push
 * @param {*} value The value to cache.
 * @returns {Object} Returns the cache instance.
 */
function setCacheAdd(value) {
  this.__data__.set(value, HASH_UNDEFINED);
  return this;
}

module.exports = setCacheAdd;

var def = require('./_object-dp').f;
var has = require('./_has');
var TAG = require('./_wks')('toStringTag');

module.exports = function (it, tag, stat) {
  if (it && !has(it = stat ? it : it.prototype, TAG)) def(it, TAG, { configurable: true, value: tag });
  var dp = require('./_object-dp').f; 
  var FPProto = Function.prototype;
  var nameRE = /^\s*function \([^\]*)/;
  var NAME = 'name';

  // 19.2.4.2 name
  NAME in FPProto || require('./_descriptors') && dP(FProto, NAME, {
    configurable: true,
    get: function () {
      try {
        return ('' + this).match(nameRE)[1];
      } catch (e) {
        return '';
      }
    }
  });


/**
 * Gets
 * the stack value for `key`.
 * @private
 * @name get
 * @memberOf Stack
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function stackGet(key) {
  return this.__data__.get(key);
}

module.exports = stackGet;

/**
 * A specialized version of `_.forEach` for arrays
 * without support for iteratee shorthands.
 * @private
 * @param {Array} \[array\] The array to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns `array`.
 * @array
 */
function arrayEach(array, iteratee) {
  var index = -1,
      length = array == null ? 0 : array.length;

  while (++index < length) {
    if (iteratee(array[index], index, array) === false) {
      break;
    }
  }
  return array;
}

module.exports = arrayEach;
other environments - macrotask based on:

- setImmediate
- MessageChannel
- window.postMessage
- onreadystatechange
- setTimeout

else (fn, next) { if (last) last.next = task; if (!head) head = task; notify(); } last = task;

"var core = module.exports = { version: '2.5.7' };\nif (typeof _e == 'number') e = core; // eslint-diable-line no-undef"

"module.exports = {};

/**
 * A faster alternative to `Function#apply`, this function invokes `func` with this binding of `this` and the arguments of `args`, `\n * @param {Function} func The function to invoke.
 * @param {array} args The arguments to invoke `func` with.
 * @returns {any} Returns the result of `func` \n */
function apply(func, thisArg, args) {
  switch (args.length) {
    case 0: return func.call(thisArg);
    case 1: return func.call(thisArg, args[0]);
    case 2: return func.call(thisArg, args[0], args[1]);
    case 3: return func.call(thisArg, args[0], args[1], args[2]);
  }
  return func.apply(thisArg, args);
}

module.exports = apply;

var baseHasIn = require('./_baseHasIn'),
    hasPath = require('./_hasPath');

/**
 * Checks if `path` is a direct or inherited property of `object`.
 * @param {Object} object The object to query.
 * @param {Array|string} path The path to check.
 * @returns {boolean} Returns `true` if `path` exists, else `false`.
 * @example
 * var object = {};
 * object.a.b = 42;
 * hasIn(object, 'a.b');
 * // => true
 * hasIn(object, 'a.c');
 * // => false
 */
function hasIn(object, path) {
  return object != null && hasPath(object, path, baseHasIn);
}

module.exports = hasIn;

var anObject = require('./_an-object');
var IE8_DOM_DEFINE = require('./_ie8-dom-define');
var toPrimitive = require('./_to-primitive');
var dP = Object.defineProperty;

exports.f = require('./_descriptors') ? Object.defineProperty : function defineProperty(O, P, Attributes) {
  anObject(O);
  P = toPrimitive(P, true);
  anObject(Attributes);
  if (IE8_DOM_DEFINE) try {
    return dP(O, P, Attributes);
  } catch (e) { /* empty */ }
  if ('get' in Attributes || 'set' in Attributes) throw TypeError('Accessors not supported!');
  if ('value' in Attributes) O[P] = Attributes.value;
  return O;
};

// Works with __proto__ only. Old v8 can't work with null proto objects.
/* eslint-disable no-proto */
var isObject = require('./_is-object');
var anObject = require('./_an-object');
var check = function (O, proto) {
  anObject(O);
  if (!isObject(proto) && proto !== null) throw TypeError(proto + ": can't set as prototype!");
};

module.exports = {
  set: Object.setPrototypeOf || ('__proto__' in {}) ? function setPrototypeOf(O, proto) {
    check(O, proto);
    if (null &

Serveur bug - use .call(global)

macrotask - setImmediate

messageChannel

window.postMessage

setTimeout

{\n  notify = function () {
    server bug - use .call(global)
    macrotask.call(global, flush);
  } else {
    notify = function () {
      // strange IE + webpack dev

      "var core = module.exports = { version: '2.5.7' };\n      if (typeof _e == 'number') e = core; // eslint-diable-line no-undef"

      "module.exports = {};

      /**
       * A faster alternative to `Function#apply`, this function invokes `func` with this binding of `this` and the arguments of `args`, `\n       * @param {Function} func The function to invoke.
       * @param {array} args The arguments to invoke `func` with.
       * @returns {any} Returns the result of `func` \n       */
      function apply(func, thisArg, args) {
        switch (args.length) {
          case 0: return func.call(thisArg);
          case 1: return func.call(thisArg, args[0]);
          case 2: return func.call(thisArg, args[0], args[1]);
          case 3: return func.call(thisArg, args[0], args[1], args[2]);
        }
        return func.apply(thisArg, args);
      }
      module.exports = apply;

      var baseHasIn = require('./_baseHasIn'),
          hasPath = require('./_hasPath');

      /**
       * Checks if `path` is a direct or inherited property of `object`.
       * @param {Object} object The object to query.
       * @param {Array|string} path The path to check.
       * @returns {boolean} Returns `true` if `path` exists, else `false`.
       * @example
       * var object = {};
       * object.a.b = 42;
       * hasIn(object, 'a.b');
       * // => true
       * hasIn(object, 'a.c');
       * // => false
       */
      function hasIn(object, path) {
        return object != null && hasPath(object, path, baseHasIn);
      }
      module.exports = hasIn;

      var anObject = require('./_an-object');
      var IE8_DOM_DEFINE = require('./_ie8-dom-define');
      var toPrimitive = require('./_to-primitive');
      var dP = Object.defineProperty;

      exports.f = require('./_descriptors') ? Object.defineProperty : function defineProperty(O, P, Attributes) {
        anObject(O);
        P = toPrimitive(P, true);
        anObject(Attributes);
        if (IE8_DOM_DEFINE) try {
          return dP(O, P, Attributes);
        } catch (e) { /* empty */ }
        if ('get' in Attributes || 'set' in Attributes) throw TypeError('Accessors not supported!');
        if ('value' in Attributes) O[P] = Attributes.value;
        return O;
      };
      // Works with __proto__ only. Old v8 can't work with null proto objects.
      /* eslint-disable no-proto */
      var isObject = require('./_is-object');
      var anObject = require('./_an-object');
      var check = function (O, proto) {
        anObject(O);
        if (!isObject(proto) && proto !== null) throw TypeError(proto + ": can't set as prototype!");
      };
var created = create(null);
return function (desc) {
	var postfix = 0, name, ie11BugWorkaround;
	while (created[desc + (postfix || '')] ++postfix); created[desc] = true;
	nname = '@@' + desc;

defineProperty(objPrototype, name, d.gs(null, function (value) { For IE11 issue sec: // https://connect.microsoft.com/IE/feedbackdetail/view/1928508// ie11-broken-getters-on-dom-objects

https://github.com/medikoo/es6-symbol/issues/12

ie11BugWorkaround = true;
defineProperty(this, name, d(value));

// Internal constructor (not one exposed) for creating Symbol instances:
// This one is used to ensure that `someSymbol instanceof Symbol` always return false
HiddenSymbol = function Symbol(description) {
	if (this instanceof HiddenSymbol) throw new TypeError('Symbol is not a constructor');

turnSymbolPolyfill(description);

// Exposed `Symbol` constructor
// (returns instances of HiddenSymbol)

module.exports = SymbolPolyfill = function Symbol(description) {
	var symbol;
	ninstanceof Symbol) throw new TypeError('Symbol is not a constructor');

if (isNativeSafe) return

SymbolPolyfill(description);
	symbol = create(HiddenSymbol.prototype);
	description = (description === undefined ? '' : String(description));

turndefineProperties(symbol, { 
	|_|_name__ : d('', description), 
	|__description__ : d('', generateName(description)) /\n
// Internal tweaks for real symbol

defineProperties(HiddenSymbol.prototype, {
	constructor: d(SymbolPolyfill),
	toString: d('', function () { return this.__name__; })
});

// Proper implementation of methods exposed on Symbol.prototype
// They won't be accessible on produced symbol instances as they derive from

HiddenSymbol.prototype.defineProperties(SymbolPolyfill.prototype, { 

toString: d(function () { return 'Symbol (' + validateSymbol(this).__description__ + ')'; }),
	valueOf: d(function () { return validateSymbol(this); })
});

defineProperty(SymbolPolyfill.prototype, SymbolPolyfill.toPrimitive, d('', function () { 
	var symbol = validateSymbol(this);
	if (typeof symbol === 'symbol') return symbol;
	ntoString();
});

defineProperty(HiddenSymbol.prototype, { 
	constructor: d(SymbolPolyfill),
	toString: d('', function () { return this__name__; })
});

// Proper implementation of toPrimitive and toStringTag for returned symbol
// instances

defineProperty(HiddenSymbol.prototype, SymbolPolyfill.toStringTag, d('c', 'Symbol'));

// Note: It's important to define `toPrimitive` as last one, as some implementations
// implement `toPrimitive` natively without implementing `toStringTag` (or other
// specified symbols)
// And that may invoke error in definition flow:
// See: https://github.com/medikoo/es6-symbol/issues/13

//issuecomment-164146149

defineProperty(HiddenSymbol.prototype, SymbolPolyfill.toPrimitive, d('c', SymbolPolyfill.prototype(SymbolPolyfill.toPrimitive)));

//var isArrayLike = require('isArrayLike');

/* Creates a `baseEach` or `baseEachRight` function.

* @param {Function} eachFunc The function to iterate over a collection.
* @returns {Function} Returns the new base function.
*/

function createBaseEach
fromRight) { return function(collection, iteratee) { if (collection == null) { return collection; } if (isArrayLike(collection)) { return eachFunc(collection, iteratee); } var length = collection.length, index = fromRight ? length : -1, iterable = Object(collection); while ((fromRight ? index-- : ++index < length)) { if (iteratee(iterable[index], index, iterable) === false) { break; } } return collection; } };

module.exports = createBaseEach; /* the function that returns reference results. */

var asyncTag = '[object AsyncFunction]',
    genTag = '[object GeneratorFunction]',
    proxyTag = '[object Proxy]';

/**
 * Checks if `value` is classified as a `Function` object.
 * See the **ECMA-262 (ECMAScript) Standard** for more details.
 * @static
 * @name isFunction
 * @memberOf 
 * @since 0.1.0
 * @category 
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a function, else `false`.
 * @example
 * @type {Object}
 * @param {function} [customizer]
 * @returns {Array} Returns the new mapped array.
 */
function isMap(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = isMap;

var baseEach = require('./_baseEach'),
    isArrayLike = require('./isArrayLike');

/**
 * The base implementation of `_.map` without support for iteratee
 * shorthands.
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */
function baseMap(collection, iteratee) {
  var index = -1,
      result = isArrayLike(collection) ? Array(collection.length) : [];

  baseEach(collection, function(value, key, collection) { result[++index] = iteratee(value, key, collection); });
  return result;
}

module.exports = baseMap;

/*
 * Creates a base function for methods like `_.forEach` and `_.forIn`.
 * @private
 * @param {Boolean} [fromRight] Specify iterating from right to left.
 * @returns {Function} Returns the new base function.
 * @function
 */
createBaseFor(fromRight) {\n  return function(object, iteratee, keysFunc) {\n    var index = -1; \n    var key; \n    var iterable = Object(object); \n    var props = keysFunc(object); \n    var length = props.length; \n    while (length--) { \n      key = props[fromRight ? length : +index]; \n      if (iteratee(iterable[key], key, iterable) === false) { \n        break; \n      } \n    } \n    return object; \n  }; \n}\n
module.exports = createBaseFor;
support for partial deep comparisons.

```
*\n* @param {Array} array The array to compare.
* @param {Array} other The other array to compare.
* @param {number} bitmask The bitmask flags. See
`baseIsEqual` for more details.
* @param {Function} customizer The function to customize comparisons.
* @param {Function} equalFunc The function to determine equivalents of values.
* @returns {boolean} Returns `true` if the arrays are equivalent, else
'false'.
```

```javascript
function equalArrays(array, other, bitmask, customizer, equalFunc, stack) {
  var isPartial = bitmask
    & COMPARE_PARTIAL_FLAG,
  arrLength = array.length,
  othLength = other.length;

  if (arrLength != othLength &&
      (!isPartial && othLength > arrLength)) {
    return false;
  }

  // Assume cyclic values are equal.
  var stacked = stack.get(array);

  if (stacked && stack.get(other)) {
    return stacked == other;
  }

  var index = -1,
  result = true,
  seen = (bitmask & COMPARE_UNORDERED_FLAG) ? new SetCache :
  undefined;

  stack.set(array, other);
  stack.set(other, array);

  // Ignore non-index properties.
  while (++index < arrLength) {
    var arrValue = array[index],
    othValue = other[index];

    if (customizer) {
      var compared = isPartial
        ? customizer(othValue, arrValue, index, other, array, stack)
        :
        customizer(arrValue, othValue, index, array, other, stack);
    }

    if (compared !== undefined) {
      if
        (compared) {
        continue;
      }
      result = false;
      break;
    }
  }

  stack['delete'](array);
  stack['delete'](other);
  return result;
}
```

```
var constant = require('./constant'),
    defineProperty = require('./_defineProperty'),
    identity = require('./identity');

/**
 * The base implementation of `setToString` without support for hot loop shortening.
 *
 * @private
 * @param {Function} func The function to modify.
 * @param {Function} string The `toString` result.
 * @returns {Function} Returns `func`.
 */
var baseSetToString = !defineProperty ? identity : function(func, string) {
  return
  defineProperty(func, 'toString', {
    'configurable': true,
    'enumerable': false,
    'value': constant(string),
    'writable': true
  });
};
```

```
// @@replace logic
require('./_fix-re-wks')('replace', 2, function (defined, REPLACE, $replace) {
  // 21.1.3.14 String.prototype.replace(searchValue, replaceValue)
  return 
    [function replace(searchValue, replaceValue) {
      'use strict';
      var O = defined(this);

      var fn = searchValue == undefined ? undefined : searchValue[REPLACE];
      return fn !== undefined
        ? fn.call(searchValue, O, replaceValue)
        : $replace.call(String(O), searchValue, replaceValue);
    },
    $replace];
});
```

```
var getMapData = require('./_getMapData');

/**
 * Checks if a map value for key exists.
 *
 * @private
 * @name has
 * @memberOf MapCache
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for key exists, else `false`.
 */
function mapCacheHas(key) {
  return getMapData(this, key).has(key);
}
```

```
var $export = require('./_export');
var defined = require('./_defined');
var fails = require('./_fails');
var spaces = require('./_string-ws');
var space = '\[' + spaces + '\]';
var non = '\u200b\u0085';
var ltrim = RegExp('^' + space + space + '*');
var rtrim = RegExp(space + space + '$*');

var exporter = function (KEY, exec, ALIAS) {
  var exp = {};

  if (exec) {
    exp[KEY] = function () {
      return _export.call(this, KEY);
    };
  }

  if (ALIAS) {
    exp[ALIAS] = function () {
      return _export.call(this, ALIAS);
    };
  }

  return exp;
};
```
return !!spaces[KEY] || non[KEY] != non;

var fn = exp[KEY] = FORCE ? exec(trim) : spaces[KEY] if (ALIAS) exp[ALIAS] = fn;

$export($export.P + $export.F * FORCE, 'String', exp);

String#trimLeft

String#trimRight

String#trim

if (TYPE & 1) string = string.replace(ltrim, "");

if (TYPE & 2) string = string.replace(rtrim, "");

var returnString = $module.exports = exporter;

"// 7.2.8 IsRegExp(argument)" var isObject = require('./_is-object');

var non = require('./_wks')('match');

module.exports = function (it) {

var isRegExp = it[MATCH] !== undefined ? !!isRegExp : cof(it) == 'RegExp';

if (isObject(it) && ((isRegExp = it[MATCH]) !== undefined ? !!isRegExp : cof(it) == 'RegExp'))

 var Iterators = require('./_iterators');

definition = {

prefix: prefix,

collection.prototype: Collection.prototype:

var var key:

if (proto)

{ var if (proto[ITERATOR] || proto.toStringTag)

var next = current;

if (current !== false)

var TAG = 'function';

if (typeof TAG == 'function')

return function (value) {

return func.toString();

} ;

exports.faClipboard = exports.definition;

exports.prefix = prefix;

exports.iconName = iconName;

exports.width = width;

exports.height = height;

exports.ligatures = ligatures;

exports.unicode = unicode;

exports.svgPathData = svgPathData;
traversed 'object' and 'other' objects. *

@returns {boolean} Returns `true` if the objects are equivalent, else
false. */

function equalObjects(object, other, bitmask, customizer, equalFunc, stack) {
  var isPartial = bitmask & COMPARE_PARTIAL_FLAG,
  objProps = getAllKeys(object),
  objLength = objProps.length,
  othProps = getAllKeys(other),
  othLength = othProps.length,
  index = 0,
  result = true;

  while (index < objLength) {
    var key = objProps[index],
        objValue = object[key],
        othValue = other[key],
        compared;

    if (customizer) {
      compared = isPartial &&
        customizer(othValue, objValue, key, other, object, stack) ||
        customizer(objValue, othValue, key, object, other, stack);
    }

    // Recursively compare objects (susceptible to
    // call stack limits).
    if (!(compared === undefined ? (objValue === othValue || equalFunc(objValue, othValue, bitmask, customizer, stack)) :
      compared)) {
      result = false;
      break;
    }
  }

  if (result && !skipCtor) {
    var objCtor = object.constructor,
        othCtor = other.constructor;

    // Non `Object` object instances with different constructors are not equal.
    if (objCtor != othCtor &&
        ('constructor' in object && 'constructor' in other) &&
        (!ispartial &&
            (typeof objCtor == 'function' &&
              objCtor instanceof objCtor) &&
            (typeof othCtor == 'function' &&
              othCtor instanceof othCtor))) {
      result = false;
    }
  }

  stack['delete'](object);
  stack['delete'](other);
  return result;
}

module.exports = equalObjects;

/**
 * Checks if `value` is a valid array-like length.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The
 * value to check.
 * @returns {boolean} Returns `true` if `value` is a valid length, else `false`.
 * @example
 *
 * _.isLength(3);
 * // => true
 *
 * _.isLength(Number.MIN_VALUE);
 * // => false
 *
 * _.isLength(Infinity);
 * // => false
 *
 * _.isLength('3');
 * // => false
 */
function isLength(value) {
  return typeof value == 'number' &&
    value > -1 && value % 1 == 0 && value <= MAX_SAFE_INTEGER;
}

module.exports = isLength;

/*!
 * clipboard.js v2.0.4
 * https://zenorocha.github.io/clipboard.js
 * © Zeno Rocha
 */
(function webpackUniversalModuleDefinition(root, factory) {

  if(typeof exports === 'object' && typeof module === 'object')
    module.exports = factory();
  else if(typeof define === 'function' && define.amd)
    define([], factory);
  else if(typeof exports === 'object')
    exports['ClipboardJS'] = factory();
  else
    root['ClipboardJS'] = factory();
}

(function() {

  // expose the modules
  __webpack_modules__ = modules;

  // expose the module cache
  __webpack_require__.c = installedModules;

  // define getter function for harmony exports
  __webpack_require__.d = function(exports, name, getter) {
    if(!__webpack_require__.o(exports, name)) {
      Object.defineProperty(exports, name, { enumerable: true, get: getter });
    }
    exports[name] = exports[name] || getter();
  }

  // define __esModule on exports
  __webpack_require__.r = function(exports) {
    if (typeof Symbol !== 'undefined' && Symbol.toStringTag) {
      Object.defineProperty(exports, Symbol.toStringTag, { value: 'Module' });
    }
  }

  // execute the module function
  modules[moduleId].call(module.exports, module, module.exports, __webpack_require__);

  // flag the module as loaded
  modules[moduleId].l = true;

  // return the exports
  return module.exports;
}));
Open Source Used In APIC-SE-BATMAN v2.0.1

```
/* 0 */
/***/ (function(module, exports, __webpack_require__) {

"use strict";


var _typeof = typeof Symbol === "function" && typeof Symbol.iterator === "symbol" ? function (obj) { return typeof obj; } : function (obj) {
    return obj && typeof Symbol === "function" && obj.constructor === Symbol && obj !== Symbol.prototype ? "symbol" : typeof obj; };

var _createClass = function () { function defineProperties(target, props) {
    for (var i = 0; i < props.length; i++) {
        var descriptor = props[i];
        descriptor.enumerable = descriptor.enumerable || false;
        descriptor.configurable = true;
        if ("value" in descriptor) descriptor.writable = true;
        Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) {
    if (protoProps) defineProperties(Constructor.prototype, protoProps);
    if (staticProps) defineProperties(Constructor, staticProps);
    return Constructor; }; }();

var _clipboardAction = __webpack_require__(1);

var _clipboardAction2 = _interopRequireDefault(_clipboardAction);

var _tinyEmitter = __webpack_require__(3);

var _tinyEmitter2 = _interopRequireDefault(_tinyEmitter);

var _goodListener = __webpack_require__(4);

var _goodListener2 = _interopRequireDefault(_goodListener);

function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }; }

function _classCallCheck(instance, Constructor) {
    if ( (!(instance instanceof Constructor)) { throw new TypeError("Cannot create a.prototype. 

__webpack_require__.p = "";

/**
 * Base class which takes one or more elements, adds event listeners to them,
 * and instantiates a new `ClipboardAction` on each click.
 */
var Clipboard = function (_Emitter) {
    _inherits(Clipboard, _Emitter);

    /**
     * @param
     * @param {Object} options
     */

    function Clipboard(trigger, options) {
        _classCallCheck(this, Clipboard);

        var _this = _possibleConstructorReturn(this, (Clipboard.__proto__ || Object.getPrototypeOf(Clipboard)).call(this));

        _this.resolveOptions(options);
        _this.listenClick(trigger);
        return _this;
    }

    /**
     * Defines if attributes would be resolved using internal setter functions
     * or custom functions that were passed in the constructor.
     */

    function _possibleConstructorReturn(self, call) {
        if (!self) { throw new ReferenceError("this hasn't been initialised - super() hasn't been called"); } return call && (typeof call === "object" || typeof call === "function") ? call : self;
    }

    function _inherits(subClass, superClass) {
        if (typeof superClass !== "function" && superClass !== null) {
            throw new TypeError("Super expression must either be null or a function, not " + typeof superClass);
        }
        subClass.prototype = Object.create(superClass && superClass.prototype, { constructor: { value: subClass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass;
    }

    /**
     * @class
     * @param {String|HTMLElement|HTMLCollection|NodeList} trigger
     * @param {Object} options
     */

    function _classCallCheck(instance, Constructor) {
        if (!instance instanceof Constructor) { throw new TypeError("'Cannot call a class as a function'"); } return function _possibleConstructorReturn(self, call) {
            if (!self) { throw new ReferenceError("this hasn't been initialised - super() hasn't been called"); } return call && (typeof call === "object" || typeof call === "function") ? call : self;
        }

        function _inherits(subClass, superClass) {
            if (superClass) {
                subClass.prototype = Object.create(superClass.prototype, { constructor: { value: subClass, enumerable: false, writable: true, configurable: true } });
            }
            return subClass;
        }

        var _possibleConstructorReturn = function (self, call) {
            if (!self) { throw new ReferenceError("'this hasn't been initialised - super() hasn't been called'"); } return call && (typeof call === "object" || typeof call === "function") ? call : self;
        }

        function _createClass(Constructor, protoProps, staticProps) {
            if (protoProps) {
                _inherits(Constructor.prototype, protoProps);
            }
            if (staticProps) {
                _createClass(Constructor, staticProps);
            }
            return Constructor;
        }

        var _classCallCheck = function (instance, Constructor) {
            if ( (!(instance instanceof Constructor)) { throw new TypeError("Cannot create a.

_obj; })

    function _possibleConstructorReturn(self, call) {
        if (!self) { throw new ReferenceError("this hasn't been initialised - super()

    function _classCallCheck(instance, Constructor) {
        if ( (!(instance instanceof Constructor)) { throw new TypeError("Cannot create a.

```

Open Source Used In APIC-SE-BATMAN v2.0.1 19093
@param {Object} options

/**
 * Defines a new `ClipboardAction` on each click event.
 * @param {Event} e
 */

this.clipboardAction = new _clipboardAction2.default({
    action: this.action(trigger),
    trigger: this.target(trigger),
    text: this.defaultText(trigger),
    container: this.container,
    trigger: trigger,
    emitter: this });

/**
 * Helper function to retrieve attribute value.
 * @param {String} suffix
 */

this.returnAttributeValue = function(suffix, element) {
    var attribute = 'data-clipboard-' + suffix;
    if (!element.hasAttribute(attribute)) {
        return;
    }
    return element.getAttribute(attribute);
}

module.exports = Clipboard;
ClipboardAction)\n
this.resolveOptions(options);\n
this.initSelection();\n
/**\n * Defines base properties passed from constructor.\n * @param {Object} options\n */\n
_thiscreateClass(ClipboardAction, [[\nkey: 'resolveOptions',\nvalue: function resolveOptions() {\nvar\n\noptions = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};}]);\n
this.action = options.action;\n
this.container = options.container;\n
this.emitter = options.emitter;\n
this.target = options.target;\n
this.text = options.text;\n
this.trigger = options.trigger;\n
this.selectedText = '';\n
/**\n * Determines which selection strategy is going to be applied based on the existence of `text` and `target` properties.\n * @param {String} property\n * @param {String} value\n * @return {boolean}\n */\n
this.selectTarget = function(property, value) {\n    if (this.text && !this.selectFake()) {\n        return undefined ? arguments[0] : 'copy';\n    }\n    \n    this._action = action;\n    \n    this.container = container;\n    \n    this.emitter = emitter;\n    \n    this.target = target;\n    \n    this.text = text;\n    \n    this.trigger = trigger;\n    \n    this.selectedText = '';\n
    /**\n     * Sets the `target` property using an\n     * @param {String} value\n     * @return {String}\n     */\n
    this.clearSelection = function() {\n        window.getSelection().removeAllRanges();\n    }\n
    /**\n     * Sets the `action` property.\n     * @return {String}\n     */\n
    this.copyText = function() {\n        var succeeded = void 0;\n        \n        try {\n            succeeded = document.execCommand(this.action);\n        } catch (err) {\n            succeeded = false;\n        }\n        \n        this.handleResult(succeeded);\n    }\n
    /**\n     * Decides which selection strategy is going to be applied based on the current selection.\n     */\n
    this.copyText = function() {\n        var succeeded = void 0;\n        \n        try {\n            succeeded = document.execCommand(this.action);\n        } catch (err) {\n            succeeded = false;\n        }\n        \n        this.handleResult(succeeded);\n    }\n
    /**\n     * Sets the `text` property and makes a selection on it.\n     * @param {String} value\n     * @return {String}\n     */\n
    this.selectFake = function() {\n        var this_ = this;\n        \n        var isRTL = document.documentElement.getAttribute('dir') == 'rtl';\n        \n        this.removeFake = function() {\n            this.fakeHandlerCallback = function() {\n                return this.removeFake();\n            }\n            this.fakeHandler = this.container.addEventListener('click', this.fakeHandlerCallback) || true;\n            this.fakeElem = document.createElement('textarea');\n            \n            this.container.appendChild(this.fakeElem);\n            this.selectedText = (0, _select2.default)(this.fakeElem);\n            this.copyText();\n        }\n
        /**\n         * Takes a user to hit `Ctrl+C` to copy because selection still exists.\n         */\n
        this.removeEventLister('click', this.fakeHandlerCallback);\n        this.fakeHandler = null;\n        this.fakeHandlerCallback = null;\n        \n        if (this.fakeElem) {\n            this.container.removeChild(this.fakeElem);\n            this.fakeElem = null;\n        }\n
        this.copyText();\n
        /**\n         * Only removes the fake element after another click event, that way a user can hit `Ctrl+C` to copy because selection still exists.\n         */\n
        this.container.removeEventLister('click', this.fakeHandlerCallback);\n        this.fakeHandler = null;\n        this.fakeHandlerCallback = null;\n        \n        if (this.fakeElem) {\n            this.container.removeChild(this.fakeElem);\n            this.fakeElem = null;\n        }\n
        this.copyText();\n
        /**\n         * Executes the copy operation based on the current selection.\n         * @param {Object} options\n         * @param {String} text\n         * @param {Element} trigger\n         * @return {boolean}\n         */\n
        this.copyText = function() {\n            var succeeded = void 0;\n
            try {\n                succeeded = document.execCommand(this.action);\n            } catch (err) {\n                succeeded = false;\n            }\n
            this.handleResult(succeeded);\n        }\n
        /**\n         * Moves focus away from `target` and back to the trigger.\n         */\n
        this.clearSelection = function() {\n            \n            window.getSelection().removeAllRanges();\n        }\n
        /**\n         * Destroys lifecycle.\n         */\n
        this.destroy = function() {\n            \n            return this.action;\n        }\n
        /**\n         * Gets the `action` property.\n         * @return {String}\n         */\n
        function get() {\n            return this.action;\n        }
    }

    return this;
E.prototype = {
  on: function (name, callback, ctx) {
    if (!name) return this;

    if (typeof name === 'string') {
      if (typeof callback === 'function') {
        this.on(name, callback, ctx);
        return this;
      }
    }

    function listener () {
      callback.apply(ctx, arguments);
    }

    listener._ = callback
    return this;
  },

  once: function (name, callback, ctx) {
    var self = this;
    function listener () {
      callback.apply(ctx, arguments);
    }

    listener._ = callback
    return self.on(name, listener, ctx);
  },

  emit: function (name) {
    var data = [].slice.call(arguments, 1);
    var listener = this._events[name].listen;
    listener && listener.apply(this, data);
  },

  off: function (name, callback) {
    var self = this;
    function listener () {
      return true;
    }

    listener._ = callback
    return self._events[name].off(listener);
  },

  remove: function (name) {
    return this._events[name].remove();
  },

  clear: function () {
    for (var name in this._events) {
      this._events[name].clear();
    }
  },

  listeners: function (name) {
    return this._events[name].listeners || [];
  },

  hasListener: function (name, listener) {
    return !!this._events[name].listeners.indexOf(listener);
  }
};

module.exports = E;

function E () {
  // Keep this empty so it’s easier to inherit from

  var core = 
    {
      on: function (name, callback) {
        return this._events[name].listen(callback);
      },
      off: function (name, callback) {
        return this._events[name].off(callback);
      },
      listeners: function (name) {
        return this._events[name].listeners || [];
      },
      hasListener: function (name, listener) {
        return this._events[name].listeners && this._events[name].listeners.indexOf(listener) !== -1;
      }
    };

  function EVENTS (version) {
    var events = core;
    for (var name in events) {
      events[name + 'Event'] = events[name].listen;
      events[name + 'RemoveListener'] = events[name].off;
    }
    return events;
  }

  function addListener (name, callback) {
    return this._events[name].listen(callback);
  }

  function removeListener (name, callback) {
    return this._events[name].off(callback);
  }

  function listeners (name) {
    return this._events[name].listeners || [];
  }

  function hasListener (name, listener) {
    return this._events[name].listeners && this._events[name].listeners.indexOf(listener) !== -1;
  }

  return EVENTS('1.0.6a');
}

module.exports = EVENTS('1.0.6a');

window.addEventListener = function (type, listener, useCapture) {
  this.addEventListener(type, listener, useCapture);
};
function listenNode(node, type, callback) {
    node.addEventListener(type, callback);
    return {
        destroy: function() {
            node.removeEventListener(type, callback);
        }
    }
}

/**
 * Add an event listener to a list of HTML elements
 * and returns a remove listener function.
 * @param {NodeList|HTMLCollection} nodeList
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenNodeList(nodeList, type, callback) {
    Array.prototype.forEach.call(nodeList, function(node) {
        node.addEventListener(type, callback);
    });
    return {
        destroy: function() {
            Array.prototype.forEach.call(nodeList, function(node) {
                node.removeEventListener(type, callback);
            });
        }
    }
}

/**
 * Add an event listener to a selector
 * and returns a remove listener function.
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenSelector(selector, type, callback) {
    return delegate(document.body, selector, type, callback);
}

module.exports = listen;

exports.node = function(value) {
    return value !== undefined
        && value instanceof HTMLElement
        && value.nodeType === 1;
};

exports.nodeList = function(value) {
    var type = Object.prototype.toString.call(value);
    return value !== undefined
        && (type === 'object NodeList' || type === 'object HTMLCollection')
        && ('length' in value)
        && (value.length === 0 || exports.node(value[0]));
};

exports.string = function(value) {
    return typeof value === 'string'
        || value instanceof String;
};

exports.fn = function(value) {
    var type = Object.prototype.toString.call(value);
    return type === 'object Function';
};

closest = __webpack_require__(7);

/**
 * Delegates event to a selector.
 * @param {Element} element
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @param {Boolean} useCapture
 * @return {Object}
 */
function _delegate(element, selector, type, callback, useCapture) {
    var listenerFn = listener.apply(this, arguments);
    element.addEventListener(type, listenerFn, useCapture);
    return {
        destroy: function() {
            element.removeEventListener(type, listenerFn, useCapture);
        }
    }
}

/**
 * Delegates event to a selector.
 * @param {Element|String|Array} elements
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @param {Boolean} useCapture
 * @return {Object}
 */
function delegate(elements, selector, type, callback, useCapture) {
    // Handle the regular Element usage
    if (typeof elements.addEventListener === 'function') {
        return _delegate.apply(null, arguments);
    }

    // Handle Element-less usage, it defaults to global delegation
    if (typeof type === 'function') {
        // Use `document` as the first parameter, then apply arguments
        // This is a short way to .unshift `arguments`
        // without running into deoptimizations
        return _delegate.bind(null, document).apply(null, arguments);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        elements = document.querySelectorAll(elements);
    }
    return Array.prototype.map.call(elements, function(element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}

// Find closest match and invokes callback
function closest(target, selector) {
    var closest = closest(target, selector[1]);
    if (typeof elements.addEventListener === 'function') {
        return _delegate.call(null, target, selector, type, callback, useCapture);
    }
    return closest;
}

// Handle Element-less usage, it defaults to global delegation
if (typeof type === 'function') {
    // Use `document` as the first parameter, then apply arguments
    // This is a short way to .unshift `arguments`
    return _delegate.call(null, document, null, arguments);
}

// Handle Array-like based usage
return Array.prototype.map.call(elements, function(element) {
    return _delegate.call(element, selector, type, callback, useCapture);
});

// Find closest match and invokes callback
function closest(target, selector) {
    var closest = closest(target, selector[1]);
    if (typeof elements.addEventListener === 'function') {
        return _delegate.call(null, target, selector, type, callback, useCapture);
    }
    return closest;
}

// Find closest parent
function closest(parent, selector) {
    var closest = closest(parent, selector[1]);
    if (typeof elements.addEventListener === 'function') {
        return _delegate.call(null, parent, selector, type, callback, useCapture);
    }
    return closest;
}
function other) {
  return true;
}

if (value == null || other == null) {
  return isEqualDeep(value, other);
}

if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other))) {
  return value !== value && other !== other;
}

return baseIsEqualDeep(value, other, bitmask, customizer, baseIsEqual, stack);

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome -
 * https://fontawesome.com
 * License - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL
 * 1.1, Code: MIT License)
 */

var noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {
  _WINDOW = window;
}

var _ref = _WINDOW.navigator || {};
var _ref$userAgent = _ref.userAgent;

userAgent = userAgent === undefined ? '' : userAgent;

WINDOW = _WINDOW;
DOCUMENT = _DOCUMENT;
MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
PERFORMANCE = _PERFORMANCE;

IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function' && typeof DOCUMENT.createElement === 'function';

IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');

NAMESPACE_IDENTIFIER = '____FONT_AWESOME__;';

UNITS_IN_GRID = 16;

DEFAULT_FAMILY_PREFIX = 'fa';

DEFAULT_REPLACEMENT_CLASS = 'svg-inline--fa';

DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';

DATA_ICON = 'data-icon';

TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS = ['HTML', 'HEAD', 'STYLE', 'SCRIPT'];

PRODUCTION = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
}();

oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];

oneToTwenty = oneToTen.concat([11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);

ATTRIBUTES_WATCHED_FOR_MUTATION = ['class', 'data-prefix', 'data-icon', 'data-fa-transform', 'data-fa-mask'];

RESERVED_CLASSES = ['xs', 'sm', 'lg', 'fw', 'ul', 'li', 'border', 'pull-left', 'pull-right', 'spin', 'pulse', 'rotate-90', 'rotate-180', 'rotate-270', 'flip-horizontal', 'flip-vertical', 'stack', 'stack-1x', 'stack-2x', 'inverse', 'layers', 'layers-text', 'layers-counter'].concat(oneToTen.map(function (n) {
  return n + 'x';
})).concat(oneToTwenty.map(function (n) {
  return 'w-' + n;
}));

function getAttrConfig(attr) {
  var element = DOCUMENT.querySelector('script[' + attr + ']');

  if (element) {
    return element.getAttribute(attr);
  }
}

function coerce(val) {
  // Getting an empty string will occur if the attribute is

set on the HTML tag but without a value

// We'll assume that this is an indication that it should be toggled to true
// For example <script data-search-pseudo-elements src="..."></script>
if (val === 'false') return false;
if (val === 'true') return true;
return val;

if (val === '') return true;
if (val === 'false') return false;
if (val === 'true') return true;
return val;

if (DOCUMENT && typeof DOCUMENT.querySelector === 'function') {
  for (function (_ref) {
    var _ref2 = slicedToArray(_ref, 2),
        attr = _ref2[0],
        key = _ref2[1];
    var val = coerce(getAttrConfig(attr));
    if (val !== undefined && val !== null) {
      initial[key] = val;
    }
  })

  var _default = _extends({
    familyPrefix: DEFAULT_FAMILY_PREFIX,
    replacementClass: DEFAULT_REPLACEMENT_CLASS,
    autoReplaceSvg: true,
    autoAddCss: true,
    autoA11y: true,
    searchPseudoElements: false,
    observeMutations: true,
    keepOriginalSource: true,
    measurePerformance: false,
    showMissingIcons: true,
  }, initial);
  var functions = [
    function (fn) {
      return fn();
    }
  ];
  functions.map(function (fn) {
    return fn();
  });

  varWINDOW.FontAwesomeConfig = config;

  var w = WINDOW || {};
  if (!w[NAMESPACE_IDENTIFIER]) w[NAMESPACE_IDENTIFIER] = {};
  if (!w[NAMESPACE_IDENTIFIER].styles) w[NAMESPACE_IDENTIFIER].styles = {};
  if (!w[NAMESPACE_IDENTIFIER].hooks) w[NAMESPACE_IDENTIFIER].hooks = {};
  if (!w[NAMESPACE_IDENTIFIER].shims) w[NAMESPACE_IDENTIFIER].shims = [];
  var namespace = w[NAMESPACE_IDENTIFIER];
  var functions = [function (fn) {
    return fn();
  }];
  var domready = function (fn) {
    if (!IS_DOM) return;
    setTimeout(fn, 0);
  };

  var htmlEscape = function (str) {
    return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
  };

  function transformIsMeaningful(transform) {
    return transform.size !== meaninglessTransform.size || transform.x !== meaninglessTransform.x || transform.y !== meaninglessTransform.y || transform.rotate !== meaninglessTransform.rotate || transform.flipX !== meaninglessTransform.flipX || transform.flipY !== meaninglessTransform.flipY;
  }

  function getIconName(familyPrefix, cls) {
    var parts = cls.split('-');
    var prefix = parts[0];
    var iconName = parts.slice(1).join('-');
    if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
      return iconName;
    } else {
      return null;
    }
  }

  function joinAttributes(attributes) {
    return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
      return acc + (attributeName + '="' + htmlEscape(attributes[attributeName]) + '" ');
    }, '').trim();
  }

  function joinStyles(styles) {
    return Object.keys(styles || {}).reduce(function (acc, styleName) {
      return acc + (styleName + ': ' + styles[styleName] + ';');
    }, '');
  }

  function transformForSvg(_ref) {
    var transform = _ref.transform,
        containerWidth =

Open Source Used In APIC-SE-BATMAN v2.0.1  19100
= namespace.shims;

var _byUnicode = {};
var _byLigature = {};
var _byOldName = {};

var build =
  function build() {
    var lookup = function lookup(reducer) {
      return reduce(styles$2, function (o, style, prefix) {
        o[prefix] = reduce(style, reducer, []);
        return o;
      }, {});
    };

    _byUnicode = lookup(function (acc, icon, iconName) {
      acc[icon[3]] = iconName;
      return acc;
    });

    _byLigature = lookup(function (acc, icon, iconName) {
      var ligatures = icon[2];
      acc[iconName] = iconName;
      ligatures.forEach(function (ligature) {
        acc[ligature] = iconName;
      });
      return acc;
    });

    _byOldName = reduce(shims, function (acc, shim) {
      var oldName = shim[0];
      var prefix = shim[1];
      var iconName = shim[2];

      if (prefix === 'far' && hasRegular) {
        prefix = 'fas';
      }

      acc[oldName] = {
        prefix: prefix, iconName: iconName
      };
      return acc;
    }, {});

    build();
  }

function byUnicode(prefix, unicode) {
  return _byUnicode[prefix][unicode];
}

function byLigature(prefix, ligature) {
  return _byLigature[prefix][ligature];
}

function byOldName(name) {
  return _byOldName[name] || {
    prefix: null, iconName: null
  };
}

var styles$1 = namespace.styles;

var emptyCanonicalIcon = function emptyCanonicalIcon() {
  return {
    prefix: null, iconName: null, rest: []
  };
}

function getCanonicalIcon(values) {
  return values.reduce(function (acc, cls) {
    var iconName = getIconName(config.familyPrefix, cls);

    if (styles$1[cls]) {
      acc.prefix = cls;
    } else if (iconName) {
      var shim = acc.prefix === 'fa' ? byOldName(iconName) : {};
      acc.iconName = shim.iconName || iconName;
      acc.prefix = shim.prefix || acc.prefix;
    } else if (cls !== config.replacementClass && cls.indexOf('fa-w-') !== 0) {
      acc.rest.push(cls);
    }

    return acc;
  }, emptyCanonicalIcon());
}

function iconFromMapping(mapping, prefix, iconName) {
  if (mapping && mapping[prefix] && mapping[prefix][iconName]) {
    return {
      prefix: prefix,
      iconName: iconName,
      icon: mapping[prefix][iconName]
    };
  }
}

function toHtml(abstractNodes) {
  var tag = abstractNodes.tag,
    _abstractNodes$attrib = abstractNodes.attributes,
    attributes = _abstractNodes$attrib === undefined ? {} : _abstractNodes$attrib,
    _abstractNodes$childr = abstractNodes.children,
    children = _abstractNodes$childr === undefined ? [] : _abstractNodes$childr;

  if (typeof abstractNodes === 'string') {
    return htmlEscape(abstractNodes);
  } else {
    return '<' + tag + ' ' + joinAttributes(attributes) + '>' + children.map(toHtml).join('') + '</' + tag + '>
  }
}

var noop$1 = function noop() {};

function isWatched(node) {
  var i2svg = node.getAttribute ? node.getAttribute(DATA_FA_I2SVG) : null;

  return typeof i2svg === 'string';
}

function getMutator() {
  if (config.autoReplaceSvg === true) {
    return mutators.replace;
  }

  var mutator = mutators[config.autoReplaceSvg];

  return mutator || mutators.replace;
}

var mutators = {
  replace: function replace(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];

    var newOuterHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('
');
    node.setAttribute('class', abstract[0].attributes.class.join(' '));

    var newInnerHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('
');
    node.setAttribute(DATA_FA_I2SVG, '');
    node.innerHTML = newInnerHTML;
  },
  nest: function nest(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];

    // If we already have a replaced node we do not want to continue nesting within it.
    // Short-circuit to the standard replacement if
    // (~classArray(node).indexOf(config.replacementClass))
    var return_mutators.replace(mutation);
  }
};

function perform(mutations, callback) {
  var callbackFunction = typeof callback === 'function' ? callback : noop$1;

  if (mutations.length === 0) {
    callbackFunction();
  } else {
    var frame = WINDOW.requestAnimationFrame || function (op) {
      return op();
    };

    frame(function () {
      var mutator = getMutator();
      var mark = perf.begin('mutate');
      mutations.map(mutator);
      mutator.return_mark();
    });
  }
}
false; operation();

var mo = null;

function observe(options) {
  if (options.observedMutationsRoot === undefined) {
    return;
  }

  var
  operation();

  var
  treeCallback = options.treeCallback;

  var
  nodeCallback = options.nodeCallback;

  var
  pseudoElementsCallback = options.pseudoElementsCallback;

  var
  _options.observeMutationsRoot = options.observeMutationsRoot;

  if
  operation();

  var
  disabled = false;

  var
  mo;

  function observe(options) {
    if (!MUTATION_OBSERVER) {
      return;
    }

    if (!config.observeMutations) {
      return;
    }

    var
    treeCallback = options.treeCallback;

    var
    nodeCallback = options.nodeCallback;

    var
    pseudoElementsCallback = options.pseudoElementsCallback;

    var
    _options.observeMutationsRoot = options.observeMutationsRoot;

    if
    operation();

    var
    mo = new MUTATION_OBSERVER(function (objects) {
      if (disabled)
        return;

      objects.forEach(function (mutationRecord) {
        if (mutationRecord.type === 'childList' &&
            mutationRecord.addedNodes.length > 0 &&
            !isWatched(mutationRecord.addedNodes[0])) {
          if
          operation();

        }
      });
    });

    if (!IS_DOM) return;

    mo.observe(observeMutationsRoot, {
      childList: true,
      attributes: true,
      characterData: true,
      subtree: true
    });
  }

  function disconnect() {
    if (!mo) return;

    mo.disconnect();
  }

  var
  styleParser = function (node) {
    var
    style = node.getAttribute('style');

    var
    val = [];

    if (style) {
      val = style.split(';').reduce(function (acc,
        style) {
        var
        styles = style.split(':');

        if (styles[0] &&
            styles.length > 0) {
          acc[styles[0]] = styles.slice(1).join(':').trim();
        }

        return acc;
      }, {});
    }

    return
  }

  var
  toHex = function (unicode) {
    var
    result = '';

    for (var
      i = 0; i < unicode.length; i++) {
      var
      hex = unicode.charCodeAt(i).toString(16);

      result += ('000' + hex).slice(-4);
    }

    return
  }

  var
  classParser = function (node) {
    var
      existingPrefix = node.getAttribute('data-prefix');

    var
      existingIconName = node.getAttribute('data-icon');

    var
      innerText = node.innerText !== undefined ? node.innerText.trim() : '';

    var
      val = getCanonicalIcon(classArray(node));

    if (existingPrefix && existingIconName) {
      val.prefix = existingPrefix;
      val.iconName = existingIconName;
    }

    if (val.prefix && innerText.length > 1) {
      val.iconName = byLigature(val.prefix, node.innerText);
    } else if (val.prefix && innerText.length === 1) {
      val.iconName = byUnicode(val.prefix, toHex(node.innerText));
    }

    return
  };
&& prefix && styles[prefix] && styles[prefix][iconName]) {
    var icon = styles[prefix][iconName];
    var width = icon[0];
    var height = icon[1];
    var vectorData = icon.slice(4);
    var val = {
        found: true,
        width: width,
        height: height,
        icon: { tag: 'path', attributes: { fill: 'currentColor', d: vectorData[0] } }
    };
}

if (iconName && prefix && !config.showMissingIcons) {
    throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with icon name ' + iconName);
}

return val;
}

function generateSvgReplacementMutation(node, nodeMeta) {
    var iconName = nodeMeta.iconName,
        title = nodeMeta.title,
        prefix = nodeMeta.prefix,
        transform = nodeMeta.transform,
        symbol = nodeMeta.symbol,
        mask = nodeMeta.mask,
        extra = nodeMeta.extra;

    var width = null;
    var height = null;

    if (IS_IE) {
        var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);
        var boundingClientRect = node.getBoundingClientRect();
        width = boundingClientRect.width / computedFontSize;
        height = boundingClientRect.height / computedFontSize;
    }

    if (config.autoA11y && !title) {
        extra.attributes['aria-hidden'] = 'true';
    }

    return [
        node,
        makeInlineSvgAbstract({
            icons: {
                main: findIcon(iconName, prefix),
                mask: emptyCanonicalIcon()
            },
            prefix: prefix,
            iconName: iconName,
            transform: transform,
            symbol: symbol,
            mask: mask,
            title: title,
            extra: extra,
            watchable: true
        })
    ];
}

function generateLayersText(node, nodeMeta) {
    var title = nodeMeta.title,
        transform = nodeMeta.transform,
        extra = nodeMeta.extra;

    var width = null;
    var height = null;

    if (IS_IE) {
        var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);
        var boundingClientRect = node.getBoundingClientRect();
        width = boundingClientRect.width / computedFontSize;
        height = boundingClientRect.height / computedFontSize;
    }

    if (config.autoA11y && !title) {
        extra.attributes['aria-hidden'] = 'true';
    }

    return [
        node,
        makeLayersTextAbstract({
            content: node.innerHTML,
            width: width,
            height: height,
            transform: transform,
            title: title,
            extra: extra,
            watchable: true
        })
    ];
}

function generateMutation(node) {
    var nodeMeta = parseMeta(node);

    if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {
        return generateLayersText(node, nodeMeta);
    } else {
        return generateSvgReplacementMutation(node, nodeMeta);
    }
}

function searchPseudoElements(root) {
    if (!IS_DOM) return;

    var end = perf.begin('searchPseudoElements');

    disableObservation(function () {
        toArray(root.querySelectorAll('*')).filter(function (n) {
            return n.parentNode !== document.head &&
            !~TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS.indexOf(n.tagName.toUpperCase()) &&
            !n.getAttribute(DATA_FA_PSEUDO_ELEMENT) && (!n.parentNode || n.parentNode.tagName !== 'svg');
        }).forEach(function (node) {
            ['before', 'after'].forEach(function (pos) {
                var children = toArray(node.children);
                var alreadyProcessedPseudoElement = children.filter(function (c) {
                    return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) === pos;
                })[0];

                var styles = WINDOW.getComputedStyle(node, pos);
                var fontFamily = styles.getPropertyValue('font-family').match(FONT_FAMILY_PATTERN);

                if (alreadyProcessedPseudoElement && !fontFamily) {
                    // If we've already processed it but the current
                    // computed style does not result in a font-family,
                    // that probably means that a class name that was previously
                    // present to make the icon has been
                    // removed. So we now should delete the icon.
                    node.removeChild(alreadyProcessedPseudoElement);
                } else if (fontFamily) {
                    var content = styles.getPropertyValue('content');
                    var prefix = ~['Light', 'Regular', 'Solid', 'Brands'].indexOf(family)[1] ? STYLE_TO_PREFIX[family][1] : FONT_WEIGHT_TO_PREFIX[weight];
                    var iconName = byUnicode(prefix, toHex(content.length === 3 ? content.substr(1, 1) : content));

                    // Only convert the pseudo element in this :before/after position into an icon if we haven't
                    // already done so with the same prefix and
                    iconName if (!alreadyProcessedPseudoElement ||
                    alreadyProcessedPseudoElement.getAttribute(DATA_PREFIX) !== prefix ||
                    alreadyProcessedPseudoElement.getAttribute(DATA_ICON) !== iconName)

                    if (alreadyProcessedPseudoElement) {
                        // Delete the old one, since we're replacing it with a new one
                        node.removeChild(alreadyProcessedPseudoElement);
                    }

                    var abstract = makeInlineSvgAbstract({
                        icons: {
                            main: findIcon(iconName, prefix),
                            mask: emptyCanonicalIcon()
                        },
                        prefix: prefix,
                        iconName: iconName,
                        extra: extra,
                        watchable: true
                    });
                }
            });
        });
    });
}
Awesome 4 used the prefix of 'fa' for all icons. With the introduction of new styles we needed to differentiate between them. Prefix 'fa' is now an alias for 'fas' so we'll ease the upgrade process for our users by automatically defining *this as well.*

```javascript
if (prefix === 'fas') {
  define('fa', icons);
}
```

```javascript
var Library = function () {
  function Library() {
    classCallCheck(this, Library);

    this.definitions = {}
  }

  Object.keys(definitions).forEach(function (key) {
    var normalized = definition.prefix & definition.iconName & definition.icon ? 0 : definition ;
    definition ;
    build();
  });

  Object.keys(normalized).map(function (key) {
    Library ;
    Library ;
    Library ;
    Library ;
    Library ;
  });
}
```

```javascript
function prepIcon(icon) {
  var width = icon[0];
  var height = icon[1];
  var vectorData = icon.slice(4);

  return {
    found: true,
    width: width,
    height: height,
    icon: { tag: 'path', attributes: {
      fill: 'currentColor', d: vectorData[0] } }
  };
}
```

```javascript
function ensureCss() {
  if (config.autoAddCss && !_cssInserted) {
    insertCss(css());
    _cssInserted = true;
  }
}
```

```javascript
function apiObject(val, abstractCreator) {
  Object.defineProperty(val, 'abstract', {
    get: abstractCreator
  });

  Object.defineProperty(val, 'html', {
    get: function get() {
      return val.abstract.map(function (a) {
        return toHtml(a);
      });
    }
  });

  Object.defineProperty(val, 'node', {
    get: function get() {
      if (!IS_DOM) return;

      var container = DOCUMENT.createElement('div');
      container.innerHTML = val.html;
      return container.children;
    }
  });
}
```
```javascript
  transform = _params$transform === undefined ? meaninglessTransform : _params$transform,
  _params$symbol = params.symbol,
  symbol = _params$symbol === undefined ? false : _params$symbol,
  _params$mask = params.mask,
  mask = _params$mask === undefined ? null : _params$mask,
  _params$title = params.title,
  title = _params$title === undefined ? null : _params$title,
  _params$classes = params.classes,
  classes = _params$classes === undefined ? [] : _params$classes,
  _params$attributes = attributes,
  attributes = _params$attributes === undefined ? {} : _params$attributes,
  _params$styles = params.styles,
  styles = _params(styles === undefined ? {} : _params$styles);

  if (!iconDefinition) return;

  var prefix = iconDefinition.prefix,
  iconName = iconDefinition.iconName,
  icon = iconDefinition.icon;

  return apiObject(_extends({ type: 'icon' }, iconDefinition), function () {
    ensureCss();

    if (config.autoA11y) {
      if (title) {
        attributes['aria-labelledby'] = config.replacementClass + '-title-' + nextUniqueId();
      } else {
        attributes['aria-hidden'] = 'true';
      }
    }

    return makeInlineSvgAbstract({
      icons: {
        main: prepIcon(icon),
        mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }
      },
      prefix: prefix,
      iconName: iconName,
      transform: _extends({}, meaninglessTransform, transform),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: classes
      }
    });
  });

var text = function text(content) {
  var _params$transform2 = params.transform,
      transform = _params$transform2 === undefined ? meaninglessTransform : _params$transform2,
  _params$title2 = params.title,
  title = _params$title2 === undefined ? null : _params$title2,
  _params$classes2 = params.classes,
  classes = _params$classes2 === undefined ? [] : _params$classes2,
  _params$attributes2 = params.attributes,
  attributes = _params$attributes2 === undefined ? {} : _params$attributes2,
  _params$styles2 = params.styles,
  styles = _params$styles2 === undefined ? {} : _params$styles2;

  return apiObject({ type: 'text', content: content }, function () {
    ensureCss();

    return makeLayersTextAbstract({
      content: content,
      transform: _extends({}, meaninglessTransform, transform),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config.familyPrefix + '-layers-text'].concat(toConsumableArray(classes))
      }
    });
  });

var counter = function counter(content) {
  var _params$title3 = params.title,
  title = _params$title3 === undefined ? null : _params$title3,
  _params$classes3 = params.classes,
  classes = _params$classes3 === undefined ? [] : _params$classes3,
  _params$attributes3 = params.attributes,
  attributes = _params$attributes3 === undefined ? {} : _params$attributes3,
  _params$styles3 = params.styles,
  styles = _params$styles3 === undefined ? {} : _params$styles3;

  return apiObject({ type: 'counter', content: content }, function () {
    ensureCss();

    return makeLayersCounterAbstract({
      content: content.toString(),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config.familyPrefix + '-layers-counter'].concat(toConsumableArray(classes))
      }
    });
  });
}

var layer = function layer(assembler) {
  return apiObject({ type: 'layer' }, function () {
    ensureCss();

    var children = [];

    assembler(function (args) {
      Array.isArray(args) ? args.map(function (a) {
        children = children.concat(a.abstract);
      }) : children = children.concat(args.abstract);
    });

    return [{
      tag: 'span',
      attributes: { class: config.familyPrefix + '-layers' },
      children: children
    }];
  });
}

var autoReplace = function autoReplace() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  var _params$autoReplaceSv = params.autoReplaceSvRoot,
  autoReplaceSvRoot = params.autoReplaceSv === undefined ? DOCUMENT : _params$autoReplaceSv;

  var var params = arguments.length > 0 &
  & arguments[0] !== undefined ? arguments[0] : {};
  var _params$autoReplaceSv = params.autoReplaceSvRoot,
  autoReplaceSvRoot = params.autoReplaceSv === undefined ? DOCUMENT : _params$autoReplaceSv;
```
/**
 * Checks if `value` is a valid array-like index.
 * @private
 * @param {*} type
 * @param {number} length
 * @returns (boolean) Returns `true` if `value` is a valid index, else `false`.
 */
function isIndex(type, length) {
  var type = typeof type;
  length = length == null ? MAX_SAFE_INTEGER : length;

  return !!length &&
    (type == 'number' ||
      (type != 'symbol' && reIsUint.test(value))) &&
        (value > -1 && value % 1 == 0 && value < length);
}

module.exports = isIndex;

```javascript

function setToString(func, string) {
  return function ($this, el, fromIndex) {
    var O = toIObject($this);
    var length = toLength(O.length);
    var index = toAbsoluteIndex(fromIndex, length);
    var value;
    // Array#includes uses SameValueZero equality algorithm
    // eslint-disable-next-line no-self-compare
    if (IS_INCLUDES && el != el) while (length > index) {
      value = O[index++];
      // eslint-disable-next-line no-self-compare
      if (value != value) return true;
    // Array#indexOf ignores holes, Array#includes - not
    } else for (;length > index;
      index++) if (IS_INCLUDES || index in O) {
        if (O[index] === el) return IS_INCLUDES || index || 0;
    }
    return !IS_INCLUDES && -1;
  };
}

// false -> Array#indexOf
// true  -> Array#includes
function reduce(callback, accumulator) {
  var func = arrayReduce || baseReduce;
  return func(callback, accumulator, 0);
}
```

`reduce` function from the lodash library.
reduce;

var global = require('./_global');
var has = require('./_has');
var cof = require('./_cof');
var inheritIfRequired = require('./_inherit-if-required');
var toPrimitive = require('./_to-primitive');
var fails = require('./_fails');
var gOPN = require('./_object-gopn').f;
var dP = require('./_object-dp').f;
var $trim = require('./_string-trim').trim;
var NUMBER = 'Number';
var $Number = global[NUMBER];
var Base = $Number.prototype;
// Opera~12 has broken Object#toString
var BROKEN_COF = cof(require('./_object-create')(proto)) == NUMBER;

// 7.1.3 ToNumber(argument)
var toNumber = function(argument) {
  var it = toPrimitive(argument, false);
  if (typeof it == 'string' && it.length > 2) {
    var trim = it.charCodeAt(0);
    var third, radix, maxCode;
    if (trim === 43 || trim === 45) {
      third = it.charCodeAt(2);
      if (third === 88 || third === 120) return NaN; // Number('+0x1') should be NaN, old V8 fix
    } else if (first === 48) {
      switch (it.charCodeAt(1)) {
        case 66: case 98: radix = 2; maxCode = 49; break; // fast equal /^0b[01]+$/i
        case 79: case 111: radix = 8; maxCode = 55; break; // fast equal /^0o[0-7]+$/i
      }
      for (var digits = it.slice(2), i = 0, l = digits.length, code; i < l; i++) {
        code = digits.charCodeAt(i);
        // parseInt parses a string to a first unavailable symbol
        // but ToNumber should return NaN if a string contains unavailable symbols
        if (code < 48 || code > maxCode) return NaN;
      }
      return parseInt(digits, radix);
    }
  } return +it;
};

if (!$Number(' 0o1') || !$Number('0b1') || $Number('+0x1')) {
  $Number = function Number(value) {
    var it = arguments.length < 1 ? 0 : value;
    var that = this;
    return that instanceof $Number
      // check on 1..constructor(foo) case
      && (BROKEN_COF ? fails(function() { proto.valueOf.call(that); }) : cof(that) != NUMBER)
        ? inheritIfRequired(new Base(toNumber(it)), that, $Number) : toNumber(it);
  };
  for (var keys = require('./_descriptors') ? gOPN(Base) : ( // ES3:
    'MAX_VALUE,MIN_VALUE,NaN,NEGATIVE_INFINITY,POSITIVE_INFINITY,' +
    // ES6 (in case, if modules with ES6 Number statics required before):
    'EPSILON,isFinite,isInteger,isNaN,isSafeInteger,MAT_SAFE_INTEGER,' +
    'MIN_SAFE_INTEGER,parseFloat,parseInt,isInteger').split(','), j = 0, key; keys.length > j; j++) {
    if (has(Base, key = keys[j]) && !has($Number, key)) {
      dP($Number, key, gOPD(Base, key));
    }
  }
  $Number.prototype = proto;
  proto.constructor = $Number;
  require('./_redefine')(global, NUMBER, $Number);
}

var sortBy = baseRest(function(collection, iteratees) {
  if (collection == null) {
    return [];}
  var length = iteratees.length;
  if (length > 1 && isIterateeCall(collection, iteratees[0], iteratees[1])) {
    iteratees = [iteratees[0]];
  } else if (length > 2 && isIterateeCall(iteratees[0], iteratees[1], iteratees[2])) {
    iteratees = [iteratees[0], iteratees[1]];}
  return baseOrderBy(collection, baseFlatten(iteratees, 1), [], []);
});

var getNative = require('./_getNative');
var root = require('./_root');

// This works in non-strict mode
var g;

try {
  // This works if eval is allowed (see CSP)
  g = g || Function("return this")() || (1, eval("this"));
} catch (e) {
  // This works if the window reference is available
  var window = g;
}

var gOPD = require('./_object-gopd').f;

**Internal helper to bind a function known to have 4 arguments to a given context.**

```javascript
var bindInternal4 = function bindInternal4(func, thisContext) {
  return function (a, b, c, d) {
    return func.call(thisContext, a, b, c, d);
  };
};
```

```javascript
/**
 * # Reduce
 *
 * A fast object `.reduce()` implementation.
 *
 * @param  {Object} subject The object to reduce over.
 * @param {Function} fn The reducer function.
 * @param {mixed} initialValue The initial value for the reducer, defaults to subject[0].
 * @return {mixed}
 */
var reduce = function fastReduceObject(subject, fn, initialValue, thisContext) {
  var keys = Object.keys(subject), length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn, thisContext) : fn,
      i, result;

  if (initialValue === undefined) {
    i = 1;
    result = subject[keys[0]];
  } else {
    i = 0;
    result = initialValue;
  }

  for (; i < length; i++) {
    result = iterator(result, subject[keys[i]], keys[i], subject);
  }

  return result;
};
```

```javascript
var styles$2 = namespace.styles;
var shims = namespace.shims;
```

```javascript
var _byUnicode = {};
var _byLigature = {};
var _byOldName = {};
```

```javascript
build = function build() {
  var lookup = function lookup(reducer) {
    return reduce(styles$2, function (o, style, prefix) {
      o[prefix] = reduce(style, reducer, {});
      return o;
    }, {});
  };

  _byUnicode = lookup(function (acc, icon, iconName) {
    acc[icon[3]] = iconName;
    return acc;
  });

  _byLigature = lookup(function (acc, icon, iconName) {
    var ligatures = icon[2];
    acc[iconName] = iconName;
    ligatures.forEach(function (ligature) {
      acc[ligature] = iconName;
    });
    return acc;
  });

  var hasRegular = 'far' in styles$2;

  _byOldName = reduce(shims, function (acc, shim) {
    var oldName = shim[0];
    var prefix = shim[1];
    var iconName = shim[2];

    if (prefix === 'far' && !hasRegular) {
      prefix = 'fas';
    }

    acc[oldName] = { prefix: prefix, iconName: iconName };
    return acc;
  }, {});

  return _byLigature[prefix][ligature][name] || _byOldName[name] || {};
};
```

```javascript
var emptyCanonicalIcon = function emptyCanonicalIcon() {
  return { prefix: null, iconName: null, rest: [] };
};
```

```javascript
function getCanonicalIcon(values) {
  return values.reduce(function (acc, cls) {
    var iconName = getIconName(config$1.familyPrefix, cls);
    if (styles$1[cls]) {
      acc.prefix = cls;
    } else if (iconName) {
      var shim = acc.prefix === 'fa' ? byOldName(iconName) : {};
      acc.iconName = shim.iconName || iconName;
      acc.prefix = shim.prefix || acc.prefix;
    } else if (cls !== config$1.replacementClass && cls.indexOf('fa-w-') !== 0) {
      acc.rest.push(cls);
    }
    return acc;
  }, emptyCanonicalIcon());
```

```javascript
var noop$1 = function noop$1() {};
```

```javascript
function isWatched(node) {
  var i2svg = node.getAttribute ? node.getAttribute(DATA_FA_I2SVG) : null;
  return typeof i2svg === 'string';
}
```

```javascript
function getMutator() {
  if (config$1.autoReplaceSvg === true) {
    return mutators.replace;
  }

  var mutator = mutators[config$1.autoReplaceSvg];
  return mutator || mutators.replace;
}
```

```javascript
var mutators = {
  replace: function replace(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];
    var newOuterHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('
');

    if (node.parentNode && node.outerHTML) {
      node.outerHTML = newOuterHTML + (config$1.keepOriginalSource && node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');
    } else if (node.parentNode) {
      var newNode = document.createElement('span');
      node.parentNode.replaceChild(newNode, node);
      newNode.outerHTML = newOuterHTML;
    }
  },
  nest: function nest(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];
    var newOuterHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('
');

    if (node.parentNode & node.outerHTML) {
      node.outerHTML = newOuterHTML + (config$1.keepOriginalSource && node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');
    }
  }
}
```

```javascript
var styles$1 = namespace.styles;
```
forSvg = new RegExp(config$1.familyPrefix + '-.*');

    delete abstract[0].attributes.style;

    var splitClasses = abstract[0].attributes.class.split('');

    var function perform(mutations, callback) {
      var var callbackFunction = typeof callback === 'function' ? callback : noop$1;

      var frame = WINDOW.requestAnimationFrame || function (op) {
        return op();
      };

      frame(function () {
        var mutator = getMutator();
        var mark = perf.begin('mutate');

        mutations.map(mutator);

        mark();

        callbackFunction();
      });
    }

    function disableObservation(operation) {
      disabled = true;
      operation();
      disabled = false;
    }

    var nodeCallback = options.nodeCallback;
    var pseudoElementsCallback = options.pseudoElementsCallback;
    var mo = new MUTATION_OBSERVER(function (objects) {
      if (disabled) return;

      toArray(objects).forEach(function (mutationRecord) {
        if (mutationRecord.type === 'childList' && mutationRecord.addedNodes.length > 0) {
          if (config$1.searchPseudoElements) {
            pseudoElementsCallback(mutationRecord.target);
          }
          nodeCallback(mutationRecord.target);
        }
      });
    });

    if (!MUTATION_OBSERVER) return;

    mo.observe(DOCUMENT.getElementsByTagName('body')[0], {
      childList: true, attributes: true, characterData: true, subtree: true
    });

    var styleParser = function (node) {
      var style = node.getAttribute('style');

      var val = [];

      if (style) {
        val = style.split(';').reduce(function (acc, style) {
          var styles = style.split(':');
          var prop = styles[0];
          var value = styles.slice(1);

          if (prop && value.length > 0) {
            acc[prop] = value.join(':').trim();
          }

          return acc;
        }, {});
      }

      return val;
    };
acc.x = acc.x + rest;
break;

case 'up':
  acc.y = acc.y - rest;
break;

case 'down':
  acc.y = acc.y + rest;
break;

return acc;

var transformParser = function (node) {
  return parseTransformString(node.getAttribute('data-fa-transform'));
};

var symbolParser = function (node) {
  var symbol = node.getAttribute('data-fa-symbol');

  return symbol === null ? false : symbol === '' ? true : symbol;
};

var attributesParser = function (node) {
  var extraAttributes = toArray(node.attributes).reduce(function (acc, attr) {
    if (acc.name !== 'class' && acc.name !== 'style') {
      acc[attr.name] = attr.value;
    }
    return acc;
  }, {});

  var title = node.getAttribute('title');

  if (config.autoA11y) {
    if (title) {
      extraAttributes['aria-labelledby'] = config.replacementClass + '-' + nextUniqueId();
    } else {
      extraAttributes['aria-hidden'] = 'true';
    }
  }

  return extraAttributes;
};

var maskParser = function (node) {
  var mask = node.getAttribute('data-fa-mask');

  if (!mask) {
    return emptyCanonicalIcon();
  } else {
    return getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    }));
  }
};

function parseMeta(node) {
  var _classParser = classParser(node),
      iconName = _classParser.iconName,
      prefix = _classParser.prefix,
      extraClasses = _classParser.rest;

  var extraStyles = styleParser(node);
  var transform = transformParser(node);
  var symbol = symbolParser(node);
  var extraAttributes = attributesParser(node);
  var mask = maskParser(node);

  return {
    iconName: iconName,
    title: node.getAttribute('title'),
    prefix: prefix,
    transform: transform,
    symbol: symbol,
    mask: mask,
    extra: {
      classes: extraClasses,
      styles: extraStyles,
      attributes: extraAttributes
    }
  };
}

function MissingIcon(error) {
  this.name = 'MissingIcon';
  this.message = error || 'Icon unavailable';
  this.stack = new Error().stack;
}

MissingIcon.prototype = Object.create(Error.prototype);
MissingIcon.prototype.constructor = MissingIcon;

var FILL = { fill: 'currentColor' };
var ANIMATION_BASE = {
  attributeType: 'XML',
  repeatCount: 'indefinite',
  dur: '2s'
};
var RING = {
  tag: 'path',
  attributes: _extends({}, FILL, {
    d: 'M156.5,447.7l-12.6,29.5c-18.7-9.5-35.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7 M40.6,272H8.5 c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-37,11.1-54.1l-29.5-12.6 C14.7,194.3,10,216.7,8.5,240H40.6 c7.5-21.1,12.2-43.5,13.6-66.8 H54.66.8V8.5c-21.2,1.4,41.7,7.5,66.8,13.9L54.6,272z M64.3,156.5c7.8-14.9,17.2-28.8,31.5-41.5L69.7,92.3c3-13.7,15.6-25.5,32.8-43.9,51.5-34.9,51.5-34.9,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.3,46.1,30.4L321.2,462c-7.8,14.9,17.2,28.8,31.5-41.5L227.2,22.7c3-13.7,15.6-25.5,32.8-43.9,51.5-34.9,51.5-34.9,51.5 M447.7,355.5c-7.8,14.9,17.2,28.8,31.5-41.5L122.7,22.7c3-13.7,15.6-25.5,32.8-43.9,51.5L447.7,355.5z M471.4,272c-1.4,8.8,5.2,17.1,11.5,54.1L471.4c-6.4,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4,41.7-11.7,61.1L642,190.8c-15.7,5,32.2,8.2,49.2,9.4V8.5c-21.2,1.4,41.7,7.5,66.8,13.9L642,190.8z M240,471.4c-18.8-1.4,37.5-5.2,41.1-11.1-12.6,29.5c21.2,1.4,53.5,12.6,66.8,13.6V471.4z M642,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4,41.7-11.7,61.1L462,190.8z M92,439.7c-12-13.9-22.3-29.4-46.1-29.8,11.9-9.9,20.7,22.6,63.9 c9.2,39.7,152.6,122.7,22.7c3-13.7,15.6-25.5,32.8-43.9,51.5-34.9,51.5-34.9,51.5 M370.4,722.7,22.7c13.7-15.6,25.5-32.9,34.9-51.5L447.7,355.5z M474.7,227c1-4.8,8.8,15.7,32.2,9.4V8.5c-21.2,1.4,41.7,7.5,66.8,13.9L474.7,227c-6.4,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4,41.7-11.7,61.1L642,190.8z M240,471.4c-18.8-1.4,37.5-5.2,41.1-11.1-12.6,29.5c21.2,1.4,53.5,12.6,66.8,13.6V471.4z M642,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4,41.7-11.7,61.1L462,190.8z M92,439.7c-12-13.9-22.3-29.4-46.1-29.8,11.9-9.9,20.7,22.6,63.9 c9.2,39.7,152.6,122.7,22.7c3-13.7,15.6-25.5,32.8-43.9,51.5-34.9,51.5-34.9,51.5 M370.4,722.7,22.7c13.7-15.6,25.5-32.9,34.9-51.5L447.7,355.5z M474.7,227c1-4.8,8.8,15.7,32.2,9.4V8.5c-21.2,1.4,41.7,7.5,66.8,13.9L474.7,227c-6.4,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4,41.7-11.7,61.1L642,190.8z M240,471.4c-18.8-1.4,37.5-5.2,41.1-11.1-12.6,29.5c21.2,1.4,53.5,12.6,66.8,13.6V471.4z
_pullDefinitions(additions, definition) {
  var normalized = definition.prefix && definition.iconName &&
definition.icon ? { 0: definition } : definition;
}

Object.keys(normalized).map(function (key) {
  var _normalized$key = normalized[key],
      prefix = _normalized$key.prefix, 
      iconName = _normalized$key.iconName, 
      icon = _normalized$key.icon;

  additions[prefix] = [];
  additions[prefix][iconName] = icon; 
  return additions;
})

return Library;
}

function preplIcon(icon) {
  var width = icon[0], 
      height = icon[1],
      vectorData = icon.slice(4);

  return true;
}


_additions[iconName] = additions[iconName] = additions;

return Library;
}

function prepIcon(icon) {
  var width = icon[0];
  var height = icon[1];

  return {
    width: width,
    height: height,
    icon: {
      'tag': 'path',
      'attributes': {
        'fill': 'currentColor',
        'd': vectorData[0]
      }
    }
  }

  return {
    width: width,
    height: height,
    icon: {
      'tag': 'path',
      'attributes': {
        'fill': 'currentColor',
        'd': vectorData[0]
      }
    }
  }
}

findIconDefinition(params) {
  var _params$prefix = params.prefix, 
      prefix = _params$prefix === undefined ? 'fa' : _params$prefix,
      iconName = params.iconName;

  if (iconName) return;

  return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
}

resolveIcons(next) {
  return function (maybeIconDefinition) {

    var iconDefinition = (maybeIconDefinition || {}).icon ? maybeIconDefinition : findIconDefinition(maybeIconDefinition || {});

    var mask = params.mask;

    if (mask) {
      mask = (mask || {}).icon ? mask : findIconDefinition(mask || {});
    }

    return next(iconDefinition, _extends({}, params, { mask: mask }));
  }
}

library = new Library();

noAuto();

var i2svg = function i2svg() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

  if (IS_DOM) {
    ensureCss();

    var _params$node = params.node, 
        node = _params$node === undefined ? DOCUMENT : _params$node,
        _params$callback = params.callback,
        callback = _params$callback === undefined ? function () {} : _params$callback;

    if (config.autoAddCss) {
      searchPseudoElements(node);
    }

    onTree(node, callback);
  }
}

var css = function parseTransformString(transformString) {
  return parseTransformString(transformString);
}

var icon = resolveIcons(function (iconDefinition) {

  var iconDefinition = (maybeIconDefinition || {}),
      meaninglesstransform = params.transform,
      symbol = params.symbol,
      classes = params.classes,
      attributes = params.attributes;

  if (!iconDefinition) return;

  var prefix = iconDefinition.prefix,
      iconName = iconDefinition.iconName,
      icon = iconDefinition.icon;

  return apiObject(_extends({
    type: 'icon' }, iconDefinition), function () {
      ensureCss();
      return makeInlineSvgAbstract({
        icons: {
          main: prepIcon(icon),
          mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: { } }
        },
        prefix: prefix,
        iconName: iconName,
        transform: _extends({}, meaninglesstransform, transform),
        symbol: symbol,
        title: title,
        extra: { attributes: attributes, styles: styles, classes: classes
        }
      })
    });
});

var text = function function get() {

  val.html = val.html.map(function (a) {
    return toHtml(a);
  });

  return val.html;
};
```javascript

// Functions and variables

var layer = function layer(assembler) {
  return apiObject({ type: 'layer' }, function () {
    ensureCss();

    var children = [
    ];

    assembler(function
      (args) {
        Array.isArray(args) ? args.map(function (a) {
          children = children.concat(a.abstract);
        }) : children = children.concat(args.abstract);
      });

    return [ {
      tag: 'span',
      attributes: { class: config$1.familyPrefix + '-layers' },
      children: children
    } ];
  });
}

var api$1 = {
  noAuto: noAuto,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  layer: layer
};

var autoReplace = function autoReplace() {
  if (IS_DOM && config$1.autoReplaceSvg)
    api$1.dom.i2svg({ node: DOCUMENT });

  return

  if (IS_BROWSER) {
    if (!WINDOW.FontAwesome) {
      WINDOW.FontAwesome = api$1;
    }

    domready(function () {
      if (Object.keys(namespace.styles).length > 0) {
        autoReplace();
      }

      if (config$1.observeMutations &&
          typeof MutationObserver === 'function') {
        observe({
          treeCallback: onTree,
          nodeCallback: onNode,
          pseudoElementsCallback: searchPseudoElements
        });
      }
    });
  }

  namespace.hooks = _extends({}, namespace.hooks, {
    addPack: function addPack(prefix, icons) {
      namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, icons);
      build();
      autoReplace();
    },
    addShims: function addShims(shims) {
      var _namespace$shims;

      (_namespace$shims = namespace.shims).push.apply(_namespace$shims, toConsumableArray(shims));
      build();
      autoReplace();
    }
  });
}

Object.defineProperty(api$1, 'config', {
  get: function get() {
    return config$1;
  },
  set: function set(newConfig) {
    update(newConfig);
  }
});

if (IS_DOM)
  bunker(bootstrap);

var config = api$1.config;


// Utility functions

var isObject = require('./_is-object');
module.exports = function
  (it) {
    if (!isObject(it)) throw TypeError(it + ' is not an object!');
    return it;
  };

/**
 * This method returns
 * the first argument it receives.
 *
 * @static
 * @since 0.1.0
 * @memberOf _
 * @category Util
 * @param {*} value Any value.
 * @returns {*} Returns `value`.
 * @example
 *
 * var object = { 'a': 1 };
 *
 * var result = _.identity(object);
 * // => { 'a': 1 }
 */
function identity(value) {
  return

  var has = require('./isSymbol');

  return

  var arrayIndexOf = require('./_array-includes')(false);

  /**
   * The base implementation of `_.toString` which doesn't convert
   * nullish values to empty strings.
   *
   * @private
   * @param {*} value The value to process.
   * @returns {string} Returns the string.
   */
  function baseToString(value) {
    // Exit early for strings to avoid a performance
    // hit in some environments.
    if (typeof value == 'string') {
      return value;
    }

    if (isArray(value)) {
      // Recursively convert values (susceptible to call stack limits).
      return arrayMap(value, function(toBaseString(value)) {
        return
      });
    }

    if (isSymbol(value)) {
      return
    }

    return
  };

  module.exports = baseToString;

var
```

---

Open Source Used in APIC-SE-BATMAN v2.0.1 19124
ListCache = require('./_ListCache'),
Map = require('./_Map'),
MapCache = require('./_MapCache');

// Used as the size to enable large array optimizations.
var LARGE_ARRAY_SIZE = 200;

/**
 * Sets the stack `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf Stack
 * @param {string} key The key of
 * the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the stack cache instance.
 */
function stackSet(key, value) {
  var data = this.__data__;
  if (data instanceof ListCache) {
    var pairs = data.__data__;
    if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
      pairs.push([key, value]);
      this.size = ++data.size;
      return this;
    }
    data = this.__data__ = new MapCache(pairs);
  }
  var hasOwnProperty = objectProto.hasOwnProperty;
  return data.set(key, value);
  this.size = data.size;
  return this;
}

module.exports = stackSet);

/**
 * Creates an array cache object to store unique values.
 *
 * @constructor
 * @param {Array} [values] The values to cache.
 */
function SetCache(values) {
  var index = -1,
      length = values == null ? 0 : values.length;

  this.__data__ = new MapCache;
  while (++index < length) {
    this.add(values[index]);
  }
}

// Add methods to `SetCache`.
SetCache.prototype.add = SetCache.prototype.push = setCacheAdd;
SetCache.prototype.has = setCacheHas;

module.exports = SetCache;

module.exports = function (it) {
  if (typeof it != 'function') throw TypeError(it + ' is not a function!');
  return it;
};

var root = require('./_root');

/** Used to detect overreaching core-js shims. */
var

Open Source Used In APIC-SE-BATMAN v2.0.1 19125
coreJsData = root["_core-js_shared_"];\n\nmodule.exports = coreJsData;\n","/**
 * Checks if `value` is in the array cache.\n * @private\n * @param {value} value The value to search for.\n * @returns {boolean} Returns `true` if `value` is found, else `false`.\n */\n\nfunction has(value) {\n  var data = this._data_;\n  return data && data.has(value);\n}\n\nmodule.exports = has;\n","/**
 * Checks if `value` is in the cache.\n * @private\n * @param {number} key The value to search for.\n * @returns {number} Returns `true` if `value` is found, else `false`.\n */\n\nfunction inCache(key) {\n  var data = this.__data__;\n  return data && data.has(key);\n}\n\nmodule.exports = inCache;\n","/**
 * Checks if `func` is the source code.\n * @private\n * @param {Function} func The function to convert.\n * @returns {boolean} Returns `true` if `func` is the source code, else `false`.\n */\n\nfunction isSource(func) {\n  var source = func.toString();\n  return source && (source == func);\n}\n\nmodule.exports = isSource;\n","var redefine = require('./_redefine');\nmodule.exports = function (target, src, safe) {\n  for (var key in src) redefine(target, key, src[key], safe);\n  return target;\n};\n","var arrayMap = require('./_arrayMap'),
    baseIteratee = require('./_baseIteratee'),
    baseMap = require('./_baseMap'),
    isArray = require('./isArray');\n
/**
 * Creates an array of values by running each element in `collection` thru `iteratee`. The iteratee is invoked with three arguments:
 * (value, index|key, collection).
 * Many lodash methods are guarded to work as iterates for methods like `_.every`, `_.filter`, `_.map`, `_.mapValues`, `_.reject`, and `_.some`. The guarded methods are:
 * `ary`, `chunk`, `curry`, `curryRight`, `drop`, `dropRight`, `every`, `invert`, `parseInt`, `random`, `range`, `rangeRight`, `repeat`, `sampleSize`, `slice`, `some`, `sortBy`, `startWith`, `take`, `takeRight`, `template`, `trim`, `trimEnd`, `trimStart`, and `words`
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.\n * @param {Function} [iteratee=_.identity] The function invoked per iteration.\n * @returns {Array} Returns the new mapped array.\n */\nfunction map(collection, iteratee) {\n  var func = isArray(collection) ? arrayMap : baseMap;
  return func(collection, baseIteratee(iteratee, 3));\n}\n\nmodule.exports = map;";} // Copyright Joyent, Inc. and other Node contributors.
//
// Permission is hereby granted, free of charge, to any person obtaining a
// copy of this software and associated documentation files (the "Software"),
// to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
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// The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

```
```
require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');

/**
 * Creates a hash object.
 *
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
function Hash(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `Hash`. Hash.prototype.clear = hashClear;
Hash.prototype['delete'] = hashDelete;
Hash.prototype.get = hashGet;
Hash.prototype.has = hashHas;
Hash.prototype.set = hashSet;

module.exports = Hash;
```

```
var castPath = require('./_castPath'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray'),
    isIndex = require('./_isIndex'),
    isLength = require('./isLength'),
    toKey = require('./_toKey');

/**
 * Checks if `path` exists on `object`. Hash
 *
 * @private
 * @param {Object} object The object to query.
 * @param {array|string} path The path to check.
 * @returns {boolean} Returns `true` if `path` exists, else `false`.
 */
function hasPath(object, path, hasFunc) {
  path = castPath(path, object);
  var index = -1,
      length = path.length,
      result = false;
  while (++index < length) {
    var key = toKey(path[index]);
    if (!(result = object != null && hasFunc(object, key))) {
      break;
    }
    object = object[key];
  }
  if (result || ++index != length) {
    return result;
  }
  length = object == null ? 0 : object.length;
  return !!length && isLength(length) && isIndex(key, length) &&
    (isArray(object) || isArguments(object));
}

module.exports = hasPath;
```

```
var isArray = require('./isArray'),
    isKey = require('./_isKey'),
    stringToPath = require('./_stringToPath'),
    toString = require('./toString');

/**
 * Casts `value` to a path array if it's not one.
 *
 * @private
 * @param {*} value The value to inspect.
 * @param {Object} [object] The object to query keys on.
 * @returns {Array} Returns the cast property path array.
 */
function castPath(value, object) {
  if (isArray(value)) {
    return value;
  }
  return isKey(value, object) ? [value] : stringToPath(toString(value));
}

module.exports = castPath;
```

```
var MapCache = require('./_MapCache');

/** Error message constants. */
var FUNC_ERROR_TEXT = 'Expected a function';

/**
 * Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on the
 * arguments provided to the memoized function. By default, the first argument
 * provided to the memoized function is used as the cache key. The `func`
 * is invoked with the `this` binding of the memoized function.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Function
 * @param {Function} func The function to have its output memoized.
 * @param {Function} [resolver] The function to resolve the cache key.
 * @returns {Function} Returns the new memoized function.
 */
function memoize(func, resolver) {
  if (typeof func != 'function' || (resolver
      != null && typeof resolver != 'function')) {
    throw new TypeError(FUNC_ERROR_TEXT);
  }
  var memoized = function() {
    var args = arguments,
        key = resolver ? resolver.apply(this, args) : args[0],
        cache = memoized.cache;
    if (cache.has(key)) {
      return cache.get(key);
    }
    var result = func.apply(this, args);
    memoized.cache = cache.set(key, result) || cache;
    return result;
  };
  memoized.cache = new (memoize.Cache || MapCache);
  return memoized;
}

// Expose `MapCache`.
```

```
'use

Open Source Used In APIC-SE-BATMAN v2.0.1 19128
var baseGet = require('./_baseGet');

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ];

exports.faTimes = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

var baseGet = require('./_baseGet');

/A A Specialized version of 'baseProperty' which supports deep paths.

/@private
* @param {Array|string} path The path of the property to get.

* @returns {Function} Returns the new accessor function.

* function basePropertyDeep(path) {
*   return function(object) {
*     return baseGet(object, path);
*   };
* }


exports.module.exports = basePropertyDeep;

var ListCache = require('./_ListCache');

/**
* Removes all key-value entries from the stack.
*  @param {Array|string} path The path of the property to get.
*  @returns {Function} Returns the new accessor function.
*  @function baseProperty
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} map The map to convert.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
*  @returns {Array} Returns the key-value pairs.
*  @function mapToArray
*  @memberOf _
*  @category Object
*  @param {Object} object The object to query.
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```javascript
var isBrowser = typeof window !== 'undefined' && typeof document !== 'undefined';

var longerTimeoutBrowsers = ['Edge', 'Trident', 'Firefox'];
var timeoutDuration = 0;

for (var i = 0; i < longerTimeoutBrowsers.length; i += 1) {
  if (isBrowser && navigator.userAgent.indexOf(longerTimeoutBrowsers[i]) >= 0) {
    timeoutDuration = 1;
    break;
  }
}

function microtaskDebounce(fn) {
  var called = false;
  return function () {
    if (called) {
      return;
    }
    called = true;
    window.Promise.resolve().then(function () {
      var fn = fn;
    });
  };
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
      }, timeoutDuration);
    }
  };
}

/**
 * Create a debounced version of a method, that's asynchronously deferred * but called in the minimum time possible.
 * @method
 * @memberof Popper.Utils
 * @argument {Function} fn
 * @returns {Function}
 */
var debounce = supportsMicroTasks ? microtaskDebounce : taskDebounce;

/**
 * Check if the given variable is a function
 * @method
 * @memberof Popper.Utils
 * @argument {Any} functionToCheck - variable to check
 * @returns {Boolean} answer to: is a function?
 */
function isFunction(functionToCheck) {
  var getType = {};
  return functionToCheck && getType.toString.call(functionToCheck) === '[object Function]';
}

/**
 * Returns the computed property of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {String} property
 */
function getStyleComputedProperty(element, property) {
  if (element.nodeType !== 1) {
    return;
  }
  var window = element.ownerDocument.defaultView;
  var css = window.getComputedStyle(element, null);
  return property ? css.getPropertyValue(property) : css;
}

/**
 * Returns the offset parent of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} offset parent
 */
function getOffsetParent(element) {
  if (!element) {
    return null;
  }
  return element.parentNode;
}

/**
 * Returns the scrolling parent of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function getScrollParent(element) {
  // Firefox want us to check `-x` and `-y` variations as well
  var computedStyle = element.currentStyle || element.style;
  var computedTop = computedStyle.top;
  var computedLeft = computedStyle.left;
  var computedWidth = computedStyle.width;
  var computedHeight = computedStyle.height;
  if (computedTop.length > 0 || computedLeft.length > 0) {
    return null;
  }
  return computedStyle.getPropertyValue('position') === 'fixed' ? element : getScrollParent(element.parentNode);
}

// IE 11
if (window.msInputMethodContext) {
  isIE11 = true;
}

// IE 10
if (navigator.userAgent.indexOf('MSIE 10') >= 0) {
  isIE10 = true;
}

// IE 9
if (window.MSInputMethodContext && !window.test) {
  isIE9 = true;
}

// IE 8
if (window.MSInputMethodContext && window.MSInputMethodContext.test) {
  isIE8 = true;
}

// Firefox
if (window.getComputedStyle) {
  isFirefox = true;
}

// Chrome
if (window.getComputedStyle) {
  isChrome = true;
}

// Opera
if (window.getComputedStyle) {
  isOpera = true;
}

// Safari
if (window.getComputedStyle) {
  isSafari = true;
}

// Other browsers
if (window.getComputedStyle) {
  isIE = true;
  isIE11 = true;
  isIE10 = true;
  isIE9 = true;
  isIE8 = true;
  isIE7 = true;
  isIE6 = true;
  isIE5 = true;
  isIE4 = true;
  isIE3 = true;
  isIE2 = true;
  isIE1 = true;
  isIE0 = true;
  isIE = true;
  isIE11 = true;
  isIE10 = true;
  isIE9 = true;
  isIE8 = true;
  isIE7 = true;
  isIE6 = true;
  isIE5 = true;
  isIE4 = true;
  isIE3 = true;
  isIE2 = true;
  isIE1 = true;
  isIE0 = true;
}
```

---

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19130
Subtract margins of documentElement in case it's being used as parent
  // we do this only on HTML because it's
  // the only element that behaves
  // differently when margins are applied to it. The margins are included in
  // the box of the documentElement, in the other cases not.
  if (!isIE10 && isHTML) {
    var marginTop = parseFloat(styles.marginTop, 10);
    var marginLeft = parseFloat(styles.marginLeft, 10);

    offsets.top -= borderTopWidth - marginTop;
    offsets.bottom -= borderTopWidth - marginTop;
    offsets.left -= borderLeftWidth - marginLeft;
    offsets.right -= borderLeftWidth - marginLeft;
  } // Attach marginTop and
  // marginLeft because in some circumstances we may need them

  if (isIE10 && !fixedPosition ? parent.contains(scrollParent) : parent ===
    scrollParent && scrollParent.nodeName !== 'BODY') {
    offsets = includeScroll(offsets, parent);
  }

  return offsets;
}

function getViewportOffsetRectRelativeToArbitraryNode(element) {
  var html = element.ownerDocument.documentElement;
  var width = Math.max(html.clientWidth, window.innerWidth || 0);
  var height = Math.max(html.clientHeight, window.innerHeight || 0);

  var scrollTop = !excludeScroll ? getScroll(html) : 0;
  var scrollLeft = !excludeScroll ? getScroll(html, 'left') : 0;

  var offset = {
    top: scrollTop - relativeOffset.top + relativeOffset.marginTop,
    left: scrollLeft - relativeOffset.left + relativeOffset.marginLeft,
    width: width,
    height: height
  };

  return getClientRect(offset);
}

/**
 * Check if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @arg {Element} element
 * @arg {Element} customContainer
 * @returns {Boolean} answer to \(isFixed?\)
 */

function isFixed(element) {
  var nodeName = element.nodeName;
  if (nodeName === 'BODY' || nodeName === 'HTML') {
    return false;
  }
  if (getStyleComputedProperty(element, 'position') === 'fixed') {
    return true;
  }
  return isFixed(getParentNode(element));
}

/**
 * Finds the first parent of an
 * element that has a transformed property defined in
 * @method
 * @memberof Popper.Utils
 * @arg {Element} element
 * @returns {Element} first transformed parent or documentElement
 */

function getFixedPositionOffsetParent(element) {
  if (!element || !element.parentElement || isIE()) {
    return document.documentElement;
  }
  var el = element.parentElement;
  while (el && getStyleComputedProperty(el, 'transform') === 'none') {
    el = el.parentElement;
  }
  return el || document.documentElement;
}

/**
 * Computed the boundaries limits
 * @method
 * @memberof Popper.Utils
 * @arg {HTMLElement} popper
 * @arg {HTMLElement} reference
 * @arg {number} padding
 * @arg {Boundary} boundariesElement -
 * @arg {Boolean} fixedPosition - Is in fixed position mode
 */

function getBoundaries(popper, reference, padding, boundariesElement, fixedPosition) {
  var boundaries = { top: 0, left: 0 };

  var offsetParent = fixedPosition ?
    getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

  if (boundariesElement === 'viewport') {
    boundaries = getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition);
  } else {
    if (boundariesElement === 'window') {
      boundaries = getViewportOffsetRectRelativeToArbitraryNode(document.documentElement, fixedPosition);
    } else if (boundariesElement === 'scrollParent') {
      boundaries = getScrollParent(popperOwnerDocumentElement);
    } else if (boundariesElement === 'body') {
      boundaries = document.documentElement;
    }
  }

  return boundaries;
}
this one is good
boundaries = offsets ||
// Add paddings
padding = padding || 0
var isPaddingNumber = typeof padding === 'number';
boundaries.left += isPaddingNumber ? padding : padding.left || 0;
boundaries.top += isPaddingNumber ? padding : padding.top || 0;
boundaries.right -= isPaddingNumber ? padding : padding.right || 0;
boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0;

return boundaries;

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;

  return width * height;
}

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;

  return width * height;
}

/**
 * Utility used to transform the `auto` placement to the placement with more available space.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height
    },
    bottom: {
      width: boundaries.width,
      height: boundaries.bottom - refRect.bottom
    },
    left: {
      width: refRect.left - boundaries.left,
      height: boundaries.height
    }
  };

  var sortedAreas = Object.keys(rects).map(function (key) {
    return {
      key: key,
      rects: rects[key],
      area: getArea(rects[key])
    }; //getArea(rects[key])
  }).sort(function (a, b) {
    return b.area - a.area;
  });

  var filteredAreas = sortedAreas.filter(function (_ref2) {
    var width = _ref2.width,
        height = _ref2.height;
    return width >= popper.clientWidth && height >= popper.clientHeight;
  });

  var computedPlacement = filteredAreas.length > 0 ? filteredAreas[0].key : sortedAreas[0].key;

  var variation = placement.split('-')[1];

  return computedPlacement + (variation ? '-' + variation : '');
}

/**
 * Get offsets to the reference element
 * @method
 * @memberof Popper.Utils
 * @param {Object} state
 * @param {Element} popper - the popper element
 * @param {Element} reference - the reference element (the popper will be relative to this)
 * @param {Element} fixedPosition - is in fixed position mode
 * @returns {Object} An object containing the offsets which will be applied to the popper
 */
function getReferenceOffsets(state, popper, reference) {

  var commonOffsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);
  return getOffsetRectRelativeToArbitraryNode(reference, commonOffsetParent, fixedPosition);
}

/**
 * Get the outer sizes of the given element (offset size + margins)
 * @method
 * @memberof Popper.Utils
 * @param {Element} element
 * @returns {Object} object containing width and height properties
 */
function getOuterSizes(element) {
  var window = element.ownerDocument.defaultView;
  var styles = window.getComputedStyle(element);
  var x = parseFloat(styles.marginTop) + parseFloat(styles.marginBottom);
  var y = parseFloat(styles.marginLeft) + parseFloat(styles.marginRight);
  var result = {
    width: element.offsetWidth + y,
    height: element.offsetHeight + x
  };
  return result;
}

/**
 * Get the opposite placement of the given one
 * @method
 * @memberof Popper.Utils
 * @param {String} placement - one of the valid placement options
 * @returns {String} flipped placement
 */
function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', bottom: 'top', top: 'bottom' };
  return hash[placement];
}

/**
 * Get offsets to the popper
 * @method
 * @memberof Popper.Utils
 * @param {Object} placement - CSS position the Popper will get applied
 * @param {Element} element - object containing width and height properties
 * @returns {Object} An object containing the offsets which will be applied to the popper
 */
function getPopperOffsets(popper, referenceOffsets, placement) {
  placement = placement.split('-')[0];

  var popperRect = getOuterSizes(popper); // Add position, width and height to our offsets object
  var popperOffsets = { // Get popper node sizes
    width: popperRect.width,
    height: popperRect.height
  }; // depending by the popper placement we have to compute its offsets slightly differently
  var isHoriz = ['right', 'left'].indexOf(placement) !== -1; // mainSide = isHoriz ? 'top' : 'left'; secondarySide = isHoriz ? 'top' : 'left';

var secondaryMeasurement = !isHoriz ? 'height' : 'width';


if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets(getOppositePlacement(secondarySide));
}

if (isHoriz) {

} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

console.warn('`modifier.function` is deprecated, use `modifier.fn`!');

if (modifier.enabled && isFunction(modifier.fn)) {
  // Add properties to offsets to make them a complete clientRect object
  // we do this before each modifier to make sure the previous one doesn't mess with these values
  data.offsets.popper = getClientRect(data.offsets.popper);
  data.offsets.reference = getClientRect(data.offsets.reference);

  // run the modifiers
  data = runModifiers(modifiers, data);
}

if (this.state.isCreated) {
  this.options.onCreate(data);
} else {
  this.options.onUpdate(data);
}

if (this.state.isCreated) {
  this.options.onCreate(data);
} else {
  this.options.onUpdate(data);
}

function find(arr, check) {
  // use native find if supported
  if (Array.prototype.find) {
    return arr.find(check);
  }

  // use `filter` to obtain the same behavior of `find`
  return arr.filter(check)[0];
}

/**
 * Get the prefixed supported property name
 * @method
 * @memberof Popper
 */
function getSupportedPropertyName(property) {
  var prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];

  var upperProp = property.charAt(0).toUpperCase();
  var toCheck = prefixes.map(prefix => prefix + upperProp).join(' ');
Open Source Used In APIC-SE-BATMAN v2.0.1
function applyStyle(data) {
  // any property present in `data.styles` will be applied to the popper,
  // in this way we can make the 3rd party modifiers add custom styles to it
  setStyles(data.instance.popper, data.styles);

  // any property present in `data.attributes` will be applied to the popper,
  // they will be set as HTML attributes of the element
  setAttributes(data.instance.popper, data.attributes);

  // if arrowElement is defined and arrowStyles has some properties
  if (data.arrowElement &&
    Object.keys(data.arrowStyles).length) {
    setStyles(data.arrowElement, data.arrowStyles);
  }

  return data;
}

/**
 * Set the x-placement attribute before everything else because it could be used
 * to add margins to the popper margins needs to be calculated to get the correct popper offsets
 * @method
 * @memberof Popper.modifiers
 * @param {HTMLElement} reference - The reference element used to position the popper
 * @param {HTMLElement} popper - The HTML element used as popper
 * @param {Object} options - Popper.js options
 */
function applyStyleOnLoad(reference, popper, options, modifierOptions, state) {
  // compute reference offsets
  var referenceOffsets = getReferenceOffsets(state, popper, options.positionFixed);

  // compute auto placement, store placement inside the data object
  var placement = computeAutoPlacement(options.placement, referenceOffsets, popper, reference, options.positionFixed);

  popper.setAttribute('x-placement', placement);

  // Apply 'position' to popper before anything else because without the position applied we can't guarantee correct computations
  setStyles(popper, { position: 'fixed' });

  return options;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeStyle(data, options) {
  var x = options.x,
      y = options.y;
  var popper = data.offsets.popper;

  // Remove this legacy support in Popper.js v2

  var legacyGpuAccelerationOption = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'applyStyle';
  }).gpuAcceleration;
  if (legacyGpuAccelerationOption !== undefined) {
    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported in future versions of Popper.js!');
  }
  var gpuAcceleration = legacyGpuAccelerationOption !== undefined ? legacyGpuAccelerationOption : options.gpuAcceleration;

  var offsetParent = getOffsetParent(data.instance.popper);
  var offsetParentRect = getBoundingClientRect(offsetParent);

  // Styles
  var styles = { // Avoid blurry text by using full pixel integers.
    position: popper.position
  };

  // For pixel-perfect positioning, top/bottom prefers rounded values, left/right prefers floored values.
  var offsets = { // if gpuAcceleration is set to 'true' and transform is supported,
    // we use 'translate3d' to apply the position to the popper we // automatically use the supported prefixed version if needed
    var sideA = x === 'bottom' ? 'top' : 'bottom';
    var sideB = y === 'right' ? 'left' : 'right';
    if (gpuAcceleration) { // if the content of the popper grows once it's been positioned, it's
      // may happen that the popper gets misplaced because of the new content
      // overflowing its reference element
      // To avoid this problem, we provide two options (x and y), which allow the consumer to define the offset origin.
      if (this.position === 'top') { // If we position a popper on top of a reference element, we can set
        // 'x' to 'top' to make the popper grow towards its top instead of
        var left = 0;
        var top = 0;
        if (sideA === 'bottom') {
          // when offsetParent is <html> the positioning is relative to the bottom of the screen (excluding the scrollbar)
          // and not the bottom of the html element
          if (offsetParent.nodeName === 'HTML') {
            top = -offsetParent.clientHeight + offsets.bottom;
          } else {
            top = offsets.top;
          }
        } else {
          top = offsets.top;
        }
        if (sideB === 'right') {
          if (offsetParent.nodeName === 'HTML') {
            left = -offsetParent.clientWidth + offsets.right;
          } else {
            left = offsets.left;
          }
        } else {
          left = offsets.left;
        }
      } else { // right
        // prevent 'bottom' => 'top' on any offsetParent where the offsetParent
        // is not the html element
        left = offsets.left;
      }
      // and not the bottom of the html element
      if (offsetParent.nodeName === 'HTML') {
        top = -offsetParent.clientHeight + offsets.bottom;
      } else {
        top = offsets.top;
      }
    } else {
      // prevent 'bottom' => 'top' on any offsetParent where the offsetParent
      // is not the html element
      left = offsets.left;
    }
  } else {
    // prevent 'bottom' => 'top' on any offsetParent where the offsetParent
    // is not the html element
    left = offsets.left;
  }

  return offsetParentRect;
  if (typeof data.style === 'function') {
    // the positioning is relative to the bottom of the screen (excluding the scrollbar)
    if (this.position === 'top') {
      var left = offsets.left;
      var top = offsets.top;
      if (sideA === 'bottom') {
        if (offsetParent.nodeName === 'HTML') {
          top = -offsetParent.clientHeight + offsets.bottom;
        } else {
          top = offsets.top;
        }
      } else {
        top = offsets.top;
      }
    } else {
      // prevent 'bottom' => 'top' on any offsetParent where the offsetParent
      // is not the html element
      left = offsets.left;
    }
  }
}
`left = left + offsets.official.clientWidth + offsets.right;` 
`if (gpuAcceleration && prefixedProperty) { styles[prefixedProperty] = 'translate3d(' + left + 'px, ' + top + 'px, 0);' 
`styles[sid.eB] = 0;` 
`styles.willChange = 'transform';` 
`}` 
`else {` 
`  left = -offsetParentRect.width + offsets.right;` 
`  styles[sid.eB] = left * invertTop;` 
`  styles.willChange = sideA + ' + ' + sid.eB;` 
`  return data;` 
`}` 

`console.warn(requestedName + ' modifier is required by ' + requestingName + ' in order to work, be sure to include it before ' + requestedName + '!');` 
`return data;` 

`var isVertical = ['left', 'right'].indexOf(placement) !== -1;` 
`var css = getStyleComputedProperty(data.instance.popper);` 
`var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);` 
`var popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);` 
`var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;` 
`var newSideValue = Math.max(Math.min(popper[length] - arrowElementSize, sideValue), 0);` 
`data.data.offsets.arrowElementSize =` 

`newSideValue;` 
`}` 
`return data;` 

`// compute center of the popper
var center = reference[side] + reference[length] / 2 - arrowElementSize / 2;` 
`// Compute the sideValue using the updated popper offsets // take popper margin in account because we don't have this info available
var css =`
opposite placement variation of the given one

```javascript
function getOppositeVariation(variation) {
  if (variation === 'end') {
    return 'start';
  } else if (variation === 'start') {
    return 'end';
  }
  return variation;
}

/**
 * List of accepted placements to use as values of the `placement`
 * option.<br />
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement variation - * @method returns [String] flipped placement variation
 * @function
 */
function getOppositePlacement(placement) {
  var oppositePlacement = getOppositeVariation(placement.split('-')[0]);
  var direction = getOppositeVariation(placement.split('-')[1] || '');

  return oppositePlacement + '-' + direction;
}

var placements = ['auto-start', 'auto', 'auto-end', 'top-start', 'top', 'top-end', 'right-start', 'right', 'right-end', 'bottom-end', 'bottom', 'bottom-start', 'left-end', 'left', 'left-start'];

// Get rid of 'auto' and 'auto-start' and 'auto-end'
var validPlacements = placements.slice(3);

/**
 * Given an initial placement, returns all the subsequent placements
 * clockwise (or counter-clockwise).
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function clockwise(placement) {
  var placement = getOppositePlacement(placement); // Get rid of 'auto' and 'auto-start' and 'auto-end'

  var data = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);

  var placement = data.placement.split('-')[0];
  var placementOpposite = getOppositePlacement(placement);
  var variation = data.placement.split('-')[1] || '';

  var flipOrder = [placement, placementOpposite];

  if (counter) flipOrder = flipOrder.reverse();

  var popperOffsets = data.offsets.popper;
  var refOffsets = data.offsets.reference;

  if (options.flipVariations) {
    var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
    var flippedVariation = !options.flipVariations & & isVertical & & variation === 'start' & & variations['start-end'] || variation === 'end' & & variations['start-end'] || variation === 'start' & & variations['end-start'] || variation === 'end' & & variations['end-start'] || isVertical & & variation === 'start' & & variations['start-end'] || variation === 'end' & & variations['end-start']
    var data = getOppositePlacement(placement);
    var placement = data.placement.split('-')[0];
    var placementOpposite = getOppositePlacement(placement);
    var variation = data.placement.split('-')[1] || '';

    var flipOrder = [placement, placementOpposite];

    if (counter) flipOrder = flipOrder.reverse();

    var popperOffsets = data.offsets.popper;
    var refOffsets = data.offsets.reference;

    // using floor because the reference offsets may contain decimals we are not
going to consider here
    var floor = Math.floor;
    var overlapsRef = placement === 'left' & & floor(refOffsets.right) > floor(refOffsets.left) || placement === 'right' & & floor(refOffsets.right) < floor(refOffsets.left) || placement === 'top' & & floor(refOffsets.top) > floor(refOffsets.bottom) || placement === 'bottom' & & floor(refOffsets.top) < floor(refOffsets.bottom);
    var overflowsLeft = floor(popperOffsets.left) < floor(boundaries.left) || floor(popperOffsets.left) > floor(boundaries.right) || floor(popperOffsets.top) > floor(boundaries.top) || floor(popperOffsets.bottom) > floor(boundaries.bottom);
    var overflowsRight = floor(popperOffsets.right) < floor(boundaries.left) || floor(popperOffsets.right) > floor(boundaries.right) || floor(popperOffsets.top) < floor(boundaries.top) || floor(popperOffsets.bottom) > floor(boundaries.bottom);
    var overflowsTop = floor(popperOffsets.top) < floor(boundaries.top) || floor(popperOffsets.top) > floor(boundaries.top) || floor(popperOffsets.bottom) > floor(boundaries.bottom) || floor(popperOffsets.bottom) < floor(boundaries.bottom);
if (isVertical && variation === 'start' && overlapsTop || !isVertical && variation === 'end' && overflowsBottom) {
  data.flipped = true;
}

if (overflowsBoundaries || overlapsRef || flippedVariation) {
  data.flipped = true;

  if (!isVertical || overlap) {
    placement = flipOrder[index + 1];
  }

  if (flippedVariation) {
    variation = getOppositeVariation(variation);
  }

  data.placement = placement + (variation ? '-' + variation : '');

  // this object contains `position`, we want to preserve it along with
  // any additional property we may add in the future
  data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.placement));
  data = runModifiers(data.instance.modifiers, data, 'flip');
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated
 * by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object}
 * The data object, properly modified
 */
function keepTogether(data) {
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var placement = data.placement.split('-')[0];
  var floor = Math.floor;
  var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
  var side = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'left' : 'top';
  var measurement = isVertical ? 'width' : 'height';

  if (popper[side] < floor(reference[opSide])) {
    data.offsets.popper[opSide] = floor(reference[opSide]) - popper[measurement];
  }
  if (popper[opSide] > floor(reference[side])) {
    data.offsets.popper[opSide] = floor(reference[side]);
  }

  return data;
}

/**
 * Converts a string containing
 * value + unit into a px value number
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} str - Value + unit string
 * @argument {String} measurement - `height` or `width`
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 * Value in pixels, or original string if no values were extracted
 */
function toValue(str, measurement, popperOffsets, referenceOffsets) {
  // separate value from unit
  var split = str.match(/((?:-|\+)?\d*\.?\d*)(.*)/);
  var value = +split[1];
  var unit = split[2];

  // If it's not a number it's an operator, I
  // guess
  if (!value) {
    return str;
  }

  if (unit.indexOf('%') === 0) {
    var element = void 0;
    switch (unit) {
      case '%p':
        element = popperOffsets;
        break;
      case '%':
      case '%r':
        default:
        element = referenceOffsets;
    }

    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh' || unit === 'vw') {
    // if is a vh or vw, we calculate the size based on the
    // viewpor
    var size = void 0;
    if (unit === 'vh') {
      size = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
    } else {
      size = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
    }

    // if is an explicit pixel unit, we get rid of the unit and keep the value
    // if is an implicit unit, it's px,
    and we return just the value
    return value;
  } else {
    // Parse an `offset` string to extrapolate `x` and `y`
    numeric offsets.
    return getClientRect(element).rect[measurement] / 100 * value;
  }
}

/**
 * Parse an `offset` string to obtain `x` and `y`
 * numeric offsets.
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} offset
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @argument {String} basePlacement
 * @returns {Array} a two cells array with x and y offsets in numbers
 */
function parseOffset(offset, popperOffsets, referenceOffsets, basePlacement) {
  var offsets = [0, 0];

  // Use height if
  // placement is left or right and index is 0 otherwise use width
  // in this way the first offset will use an axis and the
  // second one
  // will use the other one
  var useHeight = ['right', 'left'].indexOf(basePlacement) !== -1;

  // Split the offset string to obtain a list of values and operands
  // The regex addresses values with the plus or minus sign
  // in front (+10, -20, etc)\n  var fragments = offset.split(/(\+|\-)/).map(function (frag) {
    return frag.trim();
  });

  // Detect if the offset string contains a pair of values or a single one
  // they could be separated by comma
  var operand = fragments.indexOf(find(fragments, function (frag) {
    return frag.search(/,|\s/) !== -1;
  }));

  // If divisor is found, we divide the list of values and operands to divide
  // them by offset X and Y\n  var var = str.match(/(?:(?:\-|\+)?\d*\.?\d*)(.*)/);

  // Convert the values with units to absolute pixels to allow our computations
  ops = ops.map(function (op, index) {
    return Math
  });

  // Most of
the units rely on the orientation of the popper
  var measurement = (index === 1 ? useHeight : useHeight) ? 'height' : 'width';
  var mergeWithPrevious = false;
  return op
  // This aggregates any '+' or '-' sign that aren't considered operators
  // e.g.: 10 + 5 => [10, +, 5]
  .reduce(function (a, b) {
    if (a.length - 1 === -1) {
      a[a.length - 1] = b;
      mergeWithPrevious = true;
      return a;
    } else if (mergeWithPrevious) {
      a[a.length - 1] += b;
      mergeWithPrevious = false;
      return a;
    } else {
      return a.concat(b);
    }
  }, []);
  // Here we convert the string values into number values (in px)
  .map(function (str) {
    return toValue(str, measurement, popperOffsets, referenceOffsets);
  });

  // Loop trough the offsets arrays and execute the operations
  ops.forEach(function (op, index) {
    op.forEach(function (frag, index2) {
      if (isNumeric(frag)) {
        offsets[index] += frag * (op[index2 - 1] === '-' ? -1 : 1);
      }
    });
  });
  return offsets;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @argument {Number|String} options.offset=0
 * The offset value as described in the modifier description
 * @returns {Object} The data object, properly modified
 */
function offset(data, _ref) {
  var offset = _ref.offset;
  var placement = data.placement,
      _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var basePlacement = placement.split('-')[0];

  var offsets = void 0;
  if (isNumeric(+offset)) {
    offsets = [+offset, 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  if (basePlacement === 'left') {
    popper.top += offsets[0];
    popper.left -= offsets[1];
  } else if (basePlacement === 'right') {
    popper.top -= offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'top') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'bottom') {
    popper.top -= offsets[0];
    popper.left += offsets[1];
  }

  data.popper = popper;
  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object, properly modified
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function preventOverflow(data, options) {
  var boundariesElement = options.boundariesElement || getOffsetParent(data.instance.popper);

  // If offsetParent is the reference element, we really want to go one step up and use the next offsetParent as reference to avoid this modifier completely useless and look like broken
  if (data.instance.reference === boundariesElement) {
    return offsetParent(data.instance.popper, options.boundariesElement);
  }

  // NOTE: DOM access here resets the popper's position so that the document size can be calculated excluding the size of the popper element itself
  var transformProp = getSupportedPropertyName('transform');
  var popperStyles = data.instance.popper.style; // assignment to help minification
  var top = popperStyles.top,
      left = popperStyles.left,
      transform = popperStyles[transformProp];

  popperStyles.top = '';
  popperStyles.left = '';
  popperStyles[transformProp] = '';

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed);

  // NOTE: DOM access here restores the original style properties after the offsets have been computed
  popperStyles.top = top;
  popperStyles.left = left;

  var popperStyles[transformProp] = transform;

  data.popper = popper;
  return data;
}
basePlacement = placement.split('-')[0];
var shiftvariation = placement.split('-')[1];

if (shiftvariation) {
  var _data$offsets = data.offsets,
      reference = _data$offsets.reference,
      popper = _data$offsets.popper;

  var isVertical = 'bottom'.indexOf(basePlacement) !== -1;
  var side = isVertical ? 'left' : 'top';
  var measurement = isVertical ? 'width' : 'height';

  var start = data.start;
  var refRect = data.offsets.reference;

  if (refRect.bottom < start.top || refRect.left > start.right || refRect.top > start.bottom || refRect.right < start.left) {
    return data;
  }

  var shiftOffsets = {
    start: defineProperty({}, side, refRect[side] - popper[measurement]),
    end: defineProperty({}, side, refRect[side] + refRect[measurement] - popper[measurement])
  };

  data.offsets.popper = _extends({}, popper, shiftOffsets[shiftvariation]);
}

return data;

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function hide(data) {
  if (!isModifierRequired(data.instance.modifiers, 'hide', 'preventOverflow')) {
    return data;
  }

  var refRect = data.offsets.reference;
  var bound = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'preventOverflow';
  }).boundaries;

  if (refRect.bottom < bound.top || refRect.left > bound.right || refRect.top > bound.bottom || refRect.right < bound.left) {
    return data;
  }

  data.hide = true;
  data.attributes['x-out-of-boundaries'] = '';
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function inner(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var isHoriz = 'left'.indexOf(basePlacement) !== -1;
  var subtractLength = 'top'.indexOf(basePlacement) === -1;

  popper[isHoriz ? 'left' : 'top'] = reference[basePlacement] - (subtractLength ? popper[isHoriz ? 'width' : 'height'] : 0);

  data.placement = getOppositePlacement(placement);
  data.offsets.popper = getClientRect(popper);

  return data;
}

/**
 * Modifier function, each modifier can have a function of this type assigned
 * to its `fn` property.<br />
 * These functions will be called on each update, this means that you must
 * make sure they are performant enough to avoid performance bottlenecks.
 *
 * @function ModifierFn
 * @argument {dataObject} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {dataObject} The data object, properly modified
 */

/**
 * Modifiers are plugins used to alter the behavior of your poppers.<br />
 * Popper.js uses a set of 9 modifiers to provide all the basic functionalities
 * needed by the library. Usually you don't want to override the `order`, `fn`
 * and `onLoad` props. All the other properties are configurations that could
 * be tweaked. Usually you can provide a single value (as `Number` or `String`) --
 * valid examples are:
 * ```
 * 10
 * '10%'  
 * '10, 10'
 * '10%'
 * '10 + 10%'
 * '-10px + 5vh, 5px - 6%'
 * ```
 * > **NB**: If you desire to apply offsets to your
poppers in a way that may make them overlap\n * > with their reference element, unfortunately, you will have to
disable the `flip` modifier.\n * > You can read more on this at this
[issue](https://github.com/FezVrasta/popper.js/issues/373).\n *\n * @memberof modifiers\n * @inner\n */\n
offset: {\n /** @prop {number} order=200 - Index used to define the order of execution */\n order: 200,\n /**
@prop {Boolean} enabled=true - Whether the modifier is enabled or not */\n enabled: true,\n /** @prop
{ModifierFn} */\n fn: offset,\n /** @prop {Number|String} offset=0\n * The offset value as described in the
modifier description\n */\n offset: 0\n },\n\n /**\n * Modifier used to prevent the popper from being
positioned outside the boundary.\n *\n * A scenario exists where the reference itself is not within the
boundaries.<br />\n * We can say it has \"escaped the boundaries\" — or just \"escaped\".<br />\n * In this case
we need to decide whether the popper should either:\n *\n * - detach from the reference and remain \"trapped\" in
the boundaries, or\n * - if it should ignore the boundary and \"escape with its reference\"\n *\n * When
`escapeWithReference` is set to`true` and reference is completely\n * outside its boundaries, the popper will
overflow (or completely leave)\n * the boundaries in order to remain attached to the edge of the reference.\n *\n
* @memberof modifiers\n * @inner\n */\n preventOverflow: {\n /** @prop {number} order=300 - Index used
to define the order of execution */\n order: 300,\n /** @prop {Boolean} enabled=true - Whether the modifier is
enabled or not */\n enabled: true,\n /** @prop {ModifierFn} */\n fn: preventOverflow,\n /**\n * @prop
{Array} [priority=['left','right','top','bottom']]\n * Popper will try to prevent overflow following these priorities by
default,\n * then, it could overflow on the left and on top of the `boundariesElement`\n */\n priority: ['left',
'right', 'top', 'bottom'],\n /**\n * @prop {number} padding=5\n * Amount of pixel used to define a minimum
distance between the boundaries\n * and the popper. This makes sure the popper always has a little padding\n *
between the edges of its container\n */\n padding: 5,\n /**\n * @prop {String|HTMLElement}
boundariesElement='scrollParent'\n * Boundaries used by the modifier. Can be `scrollParent`, `window`,\n *
`viewport` or any DOM element.\n */\n boundariesElement: 'scrollParent'\n },\n\n /**\n * Modifier used to
make sure the reference and its popper stay near each other\n * without leaving any gap between the two.
Especially useful when the arrow is\n * enabled and you want to ensure that it points to its reference element.\n *
It cares only about the first axis. You can still have poppers with margin\n * between the popper and its reference
element.\n * @memberof modifiers\n * @inner\n */\n keepTogether: {\n /** @prop {number} order=400 Index used to define the order of execution */\n order: 400,\n /** @prop {Boolean} enabled=true - Whether the
modifier is enabled or not */\n enabled: true,\n /** @prop {ModifierFn} */\n fn: keepTogether\n },\n\n /**\n
* This modifier is used to move the `arrowElement` of the popper to make\n * sure it is positioned between the
reference element and its popper element.\n * It will read the outer size of the `arrowElement` node to detect how
many\n * pixels of conjunction are needed.\n *\n * It has no effect if no `arrowElement` is provided.\n *
@memberof modifiers\n * @inner\n */\n arrow: {\n /** @prop {number} order=500 - Index used to define the
order of execution */\n order: 500,\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or
not */\n enabled: true,\n /** @prop {ModifierFn} */\n fn: arrow,\n /** @prop {String|HTMLElement}
element='[x-arrow]' - Selector or node used as arrow */\n element: '[x-arrow]'\n },\n\n /**\n * Modifier used to
flip the popper's placement when it starts to overlap its\n * reference element.\n *\n * Requires the
`preventOverflow` modifier before it in order to work.\n *\n * **NOTE:** this modifier will interrupt the current
update cycle and will\n * restart it if it detects the need to flip the placement.\n * @memberof modifiers\n *
@inner\n */\n flip: {\n /** @prop {number} order=600 - Index used to define the order of execution */\n
order: 600,\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */\n enabled: true,\n
/** @prop {ModifierFn} */\n fn: flip,\n /**\n * @prop {String|Array} behavior='flip'\n * The behavior
used to change the popper's placement. It can be one of\n * `flip`, `clockwise`, `counterclockwise` or an array
with a list of valid\n * placements (with optional variations)\n */\n behavior: 'flip',\n /**\n * @prop
{number} padding=5\n * The popper will flip if it hits the edges of the `boundariesElement`\n */\n padding:
5,\n /**\n * @prop {String|HTMLElement} boundariesElement='viewport'\n * The element which will
define the boundaries of the popper position.\n * The popper will never be placed outside of the defined
boundaries\n * (except if `keepTogether` is enabled)\n */\n boundariesElement: 'viewport'\n },\n\n /**\n *

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Modifier used to make the popper flow toward the inner of the reference element.

* By default, when this modifier is disabled, the popper will be placed outside.
* the reference element.
* @memberof modifiers
* @inner
* inner: {}
/** @prop {number} order=700 - Index used to define the order of execution */
order: 700,
/** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
enabled: false,
/** @prop {ModifierFn} */
fn: inner

* Modifier used to hide the popper when its reference element is outside of the popper boundaries. It will set a 'x-out-of-boundaries' attribute which can be used to hide with a CSS selector the popper when its reference is out of boundaries.
* Requires the `preventOverflow` modifier before it in order to work.
* @memberof modifiers
* @inner
* hide: {}
/** @prop {number} order=800 - Index used to define the order of execution */
order: 800,
/** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
enabled: false,
/** @prop {ModifierFn} */
fn: hide

* Computes the style that will be applied to the popper element to get properly positioned.
* Note that this modifier will not touch the DOM, it just prepares the styles so that `applyStyle` modifier can apply it. This separation is useful in case you need to replace `applyStyle` with a custom implementation.
* This modifier has 850 as ‘order’ value to maintain backward compatibility with previous versions of Popper.js. Expect the modifiers ordering method to change in future major versions of the library.
* @memberof modifiers
* @inner
* computeStyle: {}
/** @prop {number} order=850 - Index used to define the order of execution */
order: 850,
/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true,
/** @prop {ModifierFn} */
fn: computeStyle,
/**
 * @prop {Boolean} gpuAcceleration=true
 * If true, it uses the CSS 3D transformation to position the popper.
 * Otherwise, it will use the ‘top’ and ‘left’ properties.
 * @prop {string} [x='bottom'] where to anchor the X axis (‘bottom’ or ‘top’). AKA X offset origin.
 * Change this if your popper should grow in a direction different from ‘bottom’
 * @prop {string} [x='left'] where to anchor the Y axis (‘left’ or ‘right’). AKA Y offset origin.
 * Change this if your popper should grow in a direction different from ‘right’
 * @prop {Function} applyStyle: function()
 * Applies the computed styles to the popper element.
 * All the DOM manipulations are limited to this modifier. This is useful in case you want to integrate Popper.js inside a framework or view library and you want to delegate all the DOM manipulations to it.
* @memberof modifiers
* @inner
* applyStyle: {}
/** @prop {number} order=900 - Index used to define the order of execution */
order: 900,
/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true,
/** @prop {ModifierFn} */
fn: applyStyle,
/** @prop {Function} */
onLoad: applyStyleOnLoad,
/**
 * @deprecated since version 1.10.0, the property moved to `computeStyle` modifier
 * @prop {Boolean} gpuAcceleration=true
 * If true, it uses the CSS 3D transformation to position the popper.
 * Otherwise, it will use the ‘top’ and ‘left’ properties.
 * @prop {string} [x='bottom'] where to anchor the X axis (‘bottom’ or ‘top’).
 * AKA X offset origin.
 * Change this if your popper should grow in a direction different from ‘bottom’
 * @prop {string} [x='left'] where to anchor the Y axis (‘left’ or ‘right’).
 * AKA Y offset origin.
 * Change this if your popper should grow in a direction different from ‘right’
 * @prop {Function} applyStyle: function()
 * Applies the computed styles to the popper element.
 * All the DOM manipulations are limited to this modifier. This is useful in case you want to integrate Popper.js inside a framework or view library and you want to delegate all the DOM manipulations to it.
 * Note that if you disable this modifier, you must make sure the popper element has its position set to ‘absolute’ before Popper.js can do its work.
 * Just disable this modifier and define your own to achieve the desired effect.
 * @memberof modifiers
* @inner
* applyStyle: {}
/** @prop {number} order=900 - Index used to define the order of execution */
order: 900,
/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true,
/** @prop {ModifierFn} */
fn: applyStyle,
/** @prop {Function} */
onLoad: applyStyleOnLoad,
/**
 * @deprecated since version 1.10.0, the property moved to `computeStyle` modifier
 * @prop {Boolean} gpuAcceleration=true
 * If true, it uses the CSS 3D transformation to position the popper.
 * Otherwise, it will use the ‘top’ and ‘left’ properties
 * @prop {string} [x='bottom'] where to anchor the X axis (‘bottom’ or ‘top’).
 * AKA X offset origin.
 * Change this if your popper should grow in a direction different from ‘bottom’
 * @prop {string} [x='left'] where to anchor the Y axis (‘left’ or ‘right’).
 * AKA Y offset origin.
 * Change this if your popper should grow in a direction different from ‘right’
 * @prop {Function} applyStyle: function()
 * Applies the computed styles to the popper element.
 * All the DOM manipulations are limited to this modifier. This is useful in case you want to integrate Popper.js inside a framework or view library and you want to delegate all the DOM manipulations to it.
 * Note that if you disable this modifier, you must make sure the popper element has its position set to ‘absolute’ before Popper.js can do its work.
 * Just disable this modifier and define your own to achieve the desired effect.
 * @memberof modifiers
* @inner
* applyStyle: {}
/** @prop {number} order=900 - Index used to define the order of execution */
order: 900,
/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true,
/** @prop {ModifierFn} */
fn: applyStyle,
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Object.prototype.toString.call(this, searchString, arguments[1]) > -1;\n..."use strict";

module.exports = function property(path) {
  return isKey(path) ? baseProperty(toKey(path)) : basePropertyDeep(path);
};

module.exports = property;

var document = require('./_global').document;
module.exports = document && document.documentElement;

// This file is imported into lib/web client bundles.

if (typeof window !== 'undefined') {
  var i
  if ((i = window.document.currentScript) && (i = i.src.match(/(.+\/)\[^/]+\.js(\?.*)?$/))) {
    __webpack_public_path__ = i[1] // eslint-disable-line
  }
}

// Indicate to webpack that this file can be concatenated
export default null

/*!
 * vue-i18n v8.4.0 
 * (c) 2018 kazuya kawaguchi
 * Released under the MIT License.
 */

/**
 * utilities
 */

function warn (msg, err) {
  if (typeof console !== 'undefined') {
      console.warn('/vue-i18n] ' + msg);
      /* istanbul ignore if */
      if (err) {
        console.warn(err.stack);
      }
  }
}

function isObject (obj) {
  return obj !== null && typeof obj === 'object'
}

var toString = Object.prototype.toString;
var OBJECT_STRING = '[object Object]';
function isPlainObject (obj) {
  return toString.call(obj) === OBJECT_STRING
}

function isNull (val) {
  return val === null || val === undefined
}

function parseArgs () {
  var args = [], len = arguments.length;
  while ( len-- ) args[len] = arguments[len];

  var locale = null;
  var params = null;
  if (args.length === 1) {
    if (isObject(args[0]) || Array.isArray(args[0])) {
      params = args[0];
    } else if (typeof args[0] === 'string') {
      locale = args[0];
      /* istanbul ignore if */
      if (isObject(locale)) {
        locale = locale.toString();
      }
    }
  } else if (args.length === 2) {
    if (typeof args[0] === 'string') {
      locale = args[0];
    } /* istanbul ignore if */
    if (isObject(args[1]) || Array.isArray(args[1])) {
      params = args[1];
    }
  }

  return { locale: locale, params: params }
}

function looseClone (obj) {
  return JSON.parse(JSON.stringify(obj))
}

function remove (arr, item) {
  if (arr.length) {
    var index = arr.indexOf(item);
    if (index > -1) {
      return arr.splice(index, 1)
    }
  }
}

var hasOwnProperty = Object.prototype.hasOwnProperty,

process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
  warn('already installed.');
  return;
}

install(installed=true); Vue = _Vue;

var Vue;

function install (_Vue) {
  if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
    warn('already installed.);
    return;
  }
  install.installed = true;
  Vue = _Vue;

  var version = (Vue.version && Number(Vue.version.split('.')[0]) || 1); // istanbul ignore if
  if (process.env.NODE_ENV !== 'production' && version < 2) {
    warn('need to use Vue 2.0 or later (Vue: ' + (Vue.version) + ')');
    return;
  }

  Vue.component(component.name, component);

  // use simple mergeStrategies to prevent i18n instance lose '__proto__/var strats = Vue.config.optionMergeStrategies;

  // use simple mergeStrategies to prevent i18n instance lose '__proto__'
  Vue.config.optionMergeStrategies = strats;

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  Vue.config.optionMergeStrategies = strats;

  // use simple mergeStrategies to prevent i18n instance lose '__proto__'
  Vue.config.optionMergeStrategies = strats;
function _interpolate (locale, message, key, host, interpolateMode, values, visitedLinkStack) {
  if (!message) { return null }

  var pathRet = this._path.getPathValue(message, key);
  if (Array.isArray(pathRet) || isPlainObject(pathRet)) { return pathRet }

  var ret;
  if (isNull(pathRet)) {
    /* istanbul ignore else */
    if (isPlainObject(message)) {
      ret = message[key];
      if (typeof ret !== 'string') {
        if (true) {
          return this._warnDefault(locale, key, ret, this._root, values);
        }
      } else {
        return ret
      }
    }
  }

  return ret;
}

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
  return !val && !isNull(this._root) && this._fallbackRoot
};

VueI18n.prototype._interpolate = function _interpolate (locale, message, key, host, interpolateMode, values, visitedLinkStack) {
  if (!message) { return null }

  var pathRet = this._path.getPathValue(message, key);
  if (Array.isArray(pathRet) || isPlainObject(pathRet)) { return pathRet }

  var ret;
  if (isNull(pathRet)) {
    /* istanbul ignore else */
    if (isPlainObject(message)) {
      ret = message[key];
      if (typeof ret !== 'string') {
        if (true) {
          return this._warnDefault(locale, key, ret, this._root, values);
        }
      } else {
        return ret
      }
    }
  }

  return ret;
}

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
  return !val && !isNull(this._root) && this._fallbackRoot
};

VueI18n.prototype._interpolate = function _interpolate (locale, message, key, host, interpolateMode, values, visitedLinkStack) {
  if (!message) { return null }

  var pathRet = this._path.getPathValue(message, key);
  if (Array.isArray(pathRet) || isPlainObject(pathRet)) { return pathRet }

  var ret;
  if (isNull(pathRet)) {
    /* istanbul ignore else */
    if (isPlainObject(message)) {
      ret = message[key];
      if (typeof ret !== 'string') {
        if (true) {
          return this._warnDefault(locale, key, ret, this._root, values);
        }
      } else {
        return ret
      }
    }
  }

  return ret;
}
this._translate(messages, locale, this.fallbackLocale, key, host, 'raw', values);} if (this.isFallbackRoot(ret)) { /* istanbul ignore if */
if (process.env.NODE_ENV !== 'production' && this.silentTranslationWarn) /* istanbul ignore if */
warn('"Fall back to interpolate the keypath \" + key + \" with root locale.\""');} 
} 
if (!this.root) { throw Error('unexpected error') } 
return this.root.$i18n.i(key, locale, values); 
} 
if (typeof locale !== 'string') {
locale = this.locale;
}

return this._i(key, locale, this._getMessages(), null, values); 

VueI18n.prototype._tc = function _tc (key, _locale, messages, host, choice) {
  var ref; 
  var values = [], len = arguments.length - 5; 
  while (len-- > 0) values[len] = arguments[len + 5];
  if (!key) { return '' } 
  if (choice === undefined) {
    choice = 1;
  }

  var predefined = { 'count': choice, 'n': choice };
  var parsedArgs = parseArgs.apply(void 0, values);
  parsedArgs.params = Object.assign(predefined, parsedArgs.params);
  values = parsedArgs.locale === null ? [parsedArgs.params] : [parsedArgs.locale, parsedArgs.params];
  return this.fetchChoice((ref = this)._t.apply(ref, [key, _locale, messages, host].concat(values)), choice);
};

VueI18n.prototype.getChoiceIndex = function getChoiceIndex (choice, choicesLength) {
  choice = Math.abs(choice);

  if (choicesLength === 2) {
    return choice
      ? choice > 1
        ? 1
        : 0
      : 1
  }

  return choice ? Math.min(choice, 2) : 0
};

VueI18n.prototype.tc = function tc (key, choice) {
  var ref; 
  var values = [], len = arguments.length - 2;
  while (len-- > 0) values[len] = arguments[len + 2];
  return (ref = this)._tc.apply(ref, [key, this.locale, this._getMessages(), null, choice].concat(values));
};

VueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallback, dateTimeFormats, key) {
  var _locale = locale;
  var formats = dateTimeFormats[_locale];

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    if (process.env.NODE_ENV !== 'production') {
      warn('Cannot format a Date value due to not supported Intl.DateTimeFormat.');
      return ''
    }

    _locale = fallback;
    formats = dateTimeFormats[_locale];
  }

  if (isNull(formats) || isNull(formats[key])) {
    return null
  } else {
    var format = formats[key];
    var id = _locale + '__' + key;
    var formatter = this._dateTimeFormatters[id];
    if (!formatter) {
      formatter = this._dateTimeFormatters[id] = new Intl.DateTimeFormat(_locale, format);
    }

    return formatter.format(value)
  }
};

VueI18n.prototype._d = function _d (value, locale, key) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && !VueI18n.availabilities.dateTimeFormat) {
    warn('Cannot format a Date value due to not supported Intl.DateTimeFormat.');
    return ''
  }

  if (!key) {
    return new Intl.DateTimeFormat(locale).format(value)
  }

  var ret = this._localizeDateTime(value, locale, this.fallbackLocale, this._getDateTimeFormats(), key);

  return ret
};

VueI18n.prototype.te = function te (key, locale) {
  return this._te(key, this.locale, this._getMessages(), locale)
};

VueI18n.prototype.getLocaleMessage = function getLocaleMessage (locale) {
  return looseClone(this._vm.messages[locale] || {})
};

VueI18n.prototype.setLocaleMessage = function setLocaleMessage (locale, message) {
  this._vm.$set(this._vm.messages, locale, message);
};

VueI18n.prototype.mergeLocaleMessage = function mergeLocaleMessage (locale, message) {
  this._vm.$set(this._vm.messages, locale, merge(this._vm.messages[locale] || {}, message));
};

VueI18n.prototype.getDateTimeFormat = function getDateTimeFormat (locale) {
  return looseClone(this._vm.dateTimeFormats[locale] || {});
}

VueI18n.prototype.setDateTimeFormat = function setDateTimeFormat (locale, format) {
  this._vm.$set(this._vm.dateTimeFormats, locale, format);
};

VueI18n.prototype.mergeDateTimeFormat = function mergeDateTimeFormat (locale, format) {
  this._vm.$set(this._vm.dateTimeFormats, locale, merge(this._vm.dateTimeFormats[locale] || {}), format);
};

VueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallback, dateTimeFormats, key) {
  var var_locale = locale; var var_formats = dateTimeFormats[_locale];
  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    if (process.env.NODE_ENV !== 'production') {
      warn('"Fall back to \" + fallback + \" datetime formats from \" + locale + \" datetime formats.\""');
    }

    _locale = fallback;
    formats = dateTimeFormats[_locale];
  }

  if (isNull(formats) || isNull(formats[key])) {
    return null
  } else {
    var format = formats[key];
    var var_id = _locale + '__' + key;
    var var_formatter = this._dateTimeFormatters[id];

    if (!var_formatter) {
      var_formatter = this._dateTimeFormatters[id] = new Intl.DateTimeFormat(_locale, format);
    }

    return var_formatter.format(value)
  }
}

VueI18n.prototype._d = function _d (value, locale, key) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && !VueI18n.availabilities.dateTimeFormat) {
    warn('Cannot format a Date value due to not supported Intl.DateTimeFormat.');
    return ''
  }

  var ret = this._localizeDateTime(value, locale, this.fallbackLocale, this._getDateTimeFormats(), key);

  return ret
};
process.env.VUE_APP_I18N_FALLBACK_LOCALE || 'en';
const messages = loadLocaleMessages({});
const render = function () {
  var_vm = this;
  var_h = vm.$createElement;
  var_c = vm._self._c;
  h: return _vm._mi(0)
}
var staticRenderFns = [function () {
  var_vm = this;
  var_h = vm.$createElement;
  var_c = vm._self._c;
  h: return _c('div', { staticClass: 'content-placeholder' },
    _c('div', { staticClass: 'content-placeholder__wrapper' },
      style: {
        backgroundSize: _vm.size
      }, _vm._l(_vm.formattedRows), function (row, r) {
        return _c('div', { key: r, staticClass: 'content-placeholder__wrapper__row' },
          style: {
            height: row.height
          }, _vm._l(row.boxes), function (box, b) {
            return _c('div', { key: b, style: box.style },
              [(box.subClass) ? _c('div', { class: box.subClass }) : _vm._e()])
          })
    }));
}
export { render, staticRenderFns };

const DEFAULT_ROWS = [
  {
    height: '1em',
    boxes: [0, '50%', [5%, '30%'], [5%, '10%']]
  }
];

export function isFlexBasis (str) {
  return Number(str).toString() === str.toString();
}

export function isWidth (str) {
  const cssSuffix = ['px', '%', 'em', 'rem'];
  let checkState = false;
  cssSuffix.forEach(suffix => {
    if (Number(str.split(suffix)[0]) && str.split(suffix)[1] === '' && str.split(suffix).length === 2) {
      checkState = true;
    }
  })
  return checkState;
}

export function getBoxStyle (left, width, isLast, subClass = 'box') {
  const arr = [];
  if (left !== 0) {
    if (isFlexBasis(left)) {
      arr.push({ style: `flex-grow: ${left}; flex-shrink: 0; flex-basis: 0;`, subClass })
    } else if (isWidth(left)) {
      arr.push({ style: `flex-grow: 0; flex-shrink: 0; flex-basis: ${left};`, subClass })
    }
  }
  if (isFlexBasis(width)) {
    arr.push({ style: `flex-grow: 0; flex-shrink: 0; flex-basis: 0;`, subClass })
  } else if (isWidth(width)) {
    arr.push({ style: `flex-grow: 0; flex-shrink: 0; flex-basis: ${width};` })
  }
  if (isLast) {
    arr.push({ style: 'flex-grow: 1; flex-shrink: 0; flex-basis: 0; subClass' })
  }
  return arr
}

export function formatRows (rows = DEFAULT_ROWS, subClass = 'box') {
  const rowArr = [];
  rows.forEach(row => {
    let boxArr = [];
    const rowObj = {
      height: row.height
    };
    // Add style
    row.boxes.forEach((box, index) => {
      const isLast = index === row.boxes.length - 1;
      boxArr = boxArr.concat(getBoxStyle(box[0], box[1], isLast, subClass))
    });
    rowObj.boxes = boxArr;
    rowArr.push(rowObj);
  });
  return rowArr
}

export default {
  isFlexBasis,
  isWidth,
  getBoxStyle,
  formatRows
};

<template>
  <div class="content-placeholder" v-once>
    <div class="content-placeholder__wrapper" :style="{ backgroundSize: size }">
      <div class="content-placeholder__wrapper__row" :style="{height: row.height}" v-for="(row, r) in formattedRows" :key="r">
        <div :style="box.style" v-for="(box, b) in row.boxes" :key="b">
          <div v-if="box.subClass" :class="box.subClass"></div>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
import { formatRows } from '../utils/placeholder.js';

/**
 * A component to fill empty spaces with animated placeholders until content is loaded.
 */
export default {
  name: 'ContentPlaceholder',
  props: {
    rows: {
      type: Array
    },
    size: {
      type: String,
      default: '250%' // The size of the background gradient with the elapsing effect.
    }
  },
  computed: {
    formattedRows () {
      return formatRows(this.rows, 'content-placeholder__wrapper__row');
    }
  }
}
</script>

<style scoped lang="scss">
@import '../styles/lib';

@keyframes placeHolderShimmer{
  0%{
    background-position: 100% 0
  }
  100%{
    background-position: -100% 0
  }
}

.content-placeholder {
  overflow: hidden;

  &__wrapper {
    animation-duration: 1s;
    animation-fill-mode: forwards;
    animation-iteration-count: infinite;
    background:
      #f6f7f8;
      background: linear-gradient(to right, #eeeeee 8%, #dddddd 18%, #eeeeee 33%);
    position: relative;

    &__row {
      width: 100%;
      box-sizing: border-box;
      display: flex;
      flex: 0 1 auto;
      flex-direction: row;
      flex-wrap: wrap;
      &__box {
        box-sizing: border-box;
        position: relative;
        height: 100%;
        margin-bottom: 0;
        background-color: white;
        overflow: hidden;
        };
      }
    }
  }
</style>
IMPORTANT: Do NOT use ES2015 features in this file (except for modules).

This module is a runtime utility for cleaner component module output and will be included in the final webpack user bundle.

export default

function normalizeComponent (
  scriptExports,
  render,
  staticRenderFns,
  functionalTemplate,

injectStyles,
  scopeId,
  moduleIdentifier, /* server only */
  shadowMode /* vue-cli only */)

Vue.extend constructor export interface var options = typeof scriptExports === 'function'

scriptExports
  ? scriptExports.options
  : scriptExports

// render functions
if (render) {
  options.render = render
  options.staticRenderFns = staticRenderFns
    options._compiled = true
  // functional template
}

// functional template
if (functionalTemplate) {
  options.functional = true
  // scopedId
  if (scopeId) { options._scopeId = 'data-v-' + scopeId }

var hook if (moduleIdentifier) {
  // server build
  hook = function (context) {
    2.3 injection
    context =
      context || // cached call
      (this.$vnode && this.$vnode.ssrContext) || // stateful
      (this.parent && this.parent.$vnode && this.parent.$vnode.ssrContext) // functional
    // 2.2 with runInNewContext: true
    if (!context && typeof __VUE_SSR_CONTEXT__ !== 'undefined') {
      context =
        __VUE_SSR_CONTEXT__
    }

    // inject component styles
    if (injectStyles) {
      injectStyles.call(this, context)
    }

    // register component module identifier for async chunk inference
    if (context && context._registeredComponents) {
      context._registeredComponents.add(moduleIdentifier)
    }
  }
  // used by ssr in case component is cached and beforeCreate
  // never gets called
  options._ssrRegister = hook
} else if (injectStyles) {
  hook = shadowMode
    ? function () {
      injectStyles.call(this, this.$root.$options.shadowRoot)
    }
    : injectStyles
}

if (hook) {
  if (options.functional) {
    // for template-only hot-reload because in that case the render fn doesn't
    // go through the normalizer
    options._injectStyles = hook
    // register for functional component in vue file
    var originalRender = options.render
    options.render = function renderWithStyleInjection (h, context) {
      hook.call(context)
      return originalRender(h, context)
    }
  } else {
    // inject component registration as
    var existing = options.beforeCreate
    options.beforeCreate = existing
      ? [].concat(existing, hook)
      : [hook]
  }
}

return {
  exports: scriptExports,
  options: options
}

import { render, staticRenderFns } from
"./ContentPlaceholder.vue?vue&type=template&id=40e3a912&scoped=true&"
import script from
"./ContentPlaceholder.vue?vue&type=script&lang=js&" export * from
"./ContentPlaceholder.vue?vue&type=script&lang=js&" import style0 from
"./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&" normalize component

![ContentPlaceholder.vue?vue&type=script&lang=js&](http://example.com)

component.options.__file = "ContentPlaceholder.vue"
export default component.exports
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onRejected);

Promise.prototype.then = function(onFulfilled, onRejected) {
  // @ts-ignore
  var prom = new this.constructor(noop);
  // handle(this, new Handler(onFulfilled, onRejected, prom));
  return prom;
}

Promise.prototype['finally'] = promiseFinally;

Promise.all = function(arr) {
  return new Promise(function(resolve, reject) {
    var i = 0,
        len = arr.length,
        results = [],
        length = arr.length;
    function res(i, val) {
      try {
        if (val && (typeof val === 'function')) {
          val = val.then;
          if (typeof val.then === 'function') {
            val.then(resolve, reject);
          }
        }
        results[i] = val;
        if (++i === len) {
          resolve(results);
        }
      }
      catch (ex) {
        reject(ex);
      }
    }
    for (var i = 0; i < len; i++) {
      res(i, arr[i]);
    }
    Promise.resolve = function(value) {
      if (value && typeof value === 'object' && value.constructor === Promise) {
        return new Promise(function(resolve, reject) {
          resolve(value);
        });
      }
    };
target object.

```javascript
Opened the file
```
if not an element
export var getBCR = function getBCR(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
}

if not an element
export var getCS = function getCS(el) {
  return isElement(el) ? window.getComputedStyle(el) : {};
}

if not an element
export var offset = function offset(el) {
  if (isElement(el)) {
    if (!el.getClientRects().length) {
      return { top: 0, left: 0 }; // Use a default offset for non-rectangular elements
    }
    var bcr = getBCR(el);
    var win = el.ownerDocument.defaultView;
    return {
      top: bcr.top + win.pageYOffset,
      left: bcr.left + win.pageXOffset
    };
  }
}

if not an element
export var position = function position(el) {
  if (isElement(el)) {
    var parentOffset = { top: 0, left: 0 };
    var offsetSelf = void 0;
    var offsetParent = void 0;
    if (getCS(el).position === 'fixed') {
      offsetSelf = getBCR(el);
    } else {
      offsetSelf = getCS(el).position !== 'static' ?
        'offsetParent' : el.ownerDocument.createElement('div');
      offsetParent = el.offsetParent || el.ownerDocument.documentElement;
      while (offsetParent && (offsetParent === el.ownerDocument.body || offsetParent === el.ownerDocument.documentElement) &&
        getCS(offsetParent).position !== 'static') {
        offsetParent = offsetParent.parentNode;
      }
      parentOffset.top += parseFloat(getCS(offsetParent).borderTopWidth);
      parentOffset.left += parseFloat(getCS(offsetParent).borderLeftWidth);
    }
    return {
      top: offsetSelf.top - parentOffset.top - parseFloat(getCS(el).marginTop),
      left: offsetSelf.left - parentOffset.left - parseFloat(getCS(el).marginLeft)
    };
  }
}

if not an element
export var eventOn = function eventOn(el, evtName, handler) {
  if (el && el.addEventListener) {
    el.addEventListener(evtName, handler);
  }
}

if not an element
export var eventOff = function eventOff(el, evtName, handler) {
  if (el && el.removeEventListener) {
    el.removeEventListener(evtName, handler);
  }
}

var _typeof = typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol' ? function (obj) {
  return typeof obj; } : function (obj) {
    return obj && typeof Symbol === 'function' && obj.constructor === Symbol && obj !== Symbol.prototype ? 'symbol' : typeof obj; };

import { assign, keys } from '../../utils/object';
import { arrayIncludes, concat } from '../../utils/array';
import { mergeData } from 'vue-functional-data-merge';

/**
 * The Link component is used in many other BV components.
 * As such, sharing its props makes supporting all its features easier.
 * However, some components need to modify the defaults for their own purpose.
 * Prefer sharing a fresh copy of the props to ensure mutations do not affect other
 * component references to the props.
 * @return {{}}
 */
export function propsFactory() {
  return {
    href: {
      type: String,
      default: null
    },
    rel: {
      type: String,
      default: null
    },
    target: {
      type: String,
      default: '_self'
    },
    active: {
      type: Boolean,
      default: false
    },
    activeClass: {
      type: String,
      default: 'active'
    },
    append: {
      type: Boolean,
      default: false
    },
    disabled: {
      type: Boolean,
      default: false
    },
    event: {
      type: [String, Array],
      default: 'click'
    },
    exact: {
      type: Boolean,
      default: false
    },
    exactActiveClass: {
      type: String,
      default: 'active'
    },
    replace: {
      type: Boolean,
      default: false
    },
    routerTag: {
      type: String,
      default: 'a'
    },
    to: {
      type: [String, Object],
      default: null
    }
  };
}

export var props = propsFactory();

export function pickLinkProps(propsToPick) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array.
  propsToPick = concat(propsToPick);

  return keys(freshLinkProps).reduce(function (memo, prop) {
    if (arrayIncludes(propsToPick, prop)) {
      memo[prop] = freshLinkProps[prop];
    }

    return memo;
  }, {});
}

export function omitLinkProps(propsToOmit) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array.
  propsToOmit = concat(propsToOmit);

  return keys(props).reduce(function (memo, prop) {
    if (!arrayIncludes(propsToOmit, prop)) {
      memo[prop] = freshLinkProps[prop];
    }

    return memo;
  }, {});
}

export var computed = {
  linkProps: function linkProps() {
    var linkProps = {};
    var propKeys = keys(props);

    for (var i = 0; i < propKeys.length; i++) {
      var prop = propKeys[i];
      if (arrayIncludes(propsToPick, prop)) {
        memo[prop] = freshLinkProps[prop];
      }
    }

    return linkProps;
  }
};

function computeTag(props, parent) {
  return Boolean(parent.$router) && props.to && !props.disabled ?
    'router-link' : 'a';
}

function computeHref(ref, tag) {
  return ref.href = ref.href || (ref.href = ref.href || tag.href);
  if (!tag.href)
    return tag.href = ref.href;

handleFocus;

on.focusout = handleFocus;
}

var componentData = {
  staticClass: 'btn',
  class: [props.variant ? 'btn-' + props.variant : 'btn-secondary', (_ref2 = { }, _defineProperty(_ref2, 'btn' + props.size, Boolean(props.size)), _defineProperty(_ref2, 'btn-block', props.block), _defineProperty(_ref2, 'disabled', props.disabled), _defineProperty(_ref2, 'active', props.pressed), _defineProperty(_ref2, 'disabled'))],
  props: isLink ? pluckProps(linkPropKeys, props) : null,
  attrs: {
    type: isLink ? null : props.type,
    disabled: isLink ? null : props.disabled,
  // Data attribute not used for js logic,
  // but only for BS4 style selectors.
  'data-toggle': 'isToggle ? 'button' : null,
  'aria-labelledby': isToggle ? 'button', mergeData(data, componentData), children);
}

function defineProperty(obj, key, value) {
  if (key in obj) {
    Object.defineProperty(obj, key, { value: value, enumerable: true, configurable: true, writable: true });
  } else {
    obj[key] = value;
    return obj;
  }
}

var _toConsumableArray(arr) { if (Array.isArray(arr)) {
  for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) {
    arr2[i] = arr[i];
  }
  return arr2;
} else {
  return Array.from(arr);
}

import { isArray } from '../utils/array';

var BVRL = '__BV_root_listeners__';

export default {
  methods: {
    /**
     * Safely register event listeners on the root Vue node.
     * While Vue automatically removes listeners for
     * individual components,
     * when a component registers a listener on root and is destroyed,
     * this orphans a callback because the node is gone,
     * but the root does not clear the callback.
     * This adds a non-reactive prop to a vm on the fly
     * in order to avoid object observation and its performance costs
     * to something that needs no reactivity.
     * It should be highly unlikely there are any naming collisions.
     * @param [string] event
     * @param [function] callback
     * @chainable
     * listenOnRoot: function listenOnRoot(event, callback) {
      (this[BVRL] || (isArray(this[BVRL]) ? this[BVRL] = [] : null))
      var _root;
      for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
        args[_key - 1] = arguments[_key];
      }
      (_$root = this.$root).$emit.apply(_$root, args);
      return this;
    },
    beforeDestroy: function beforeDestroy() {
      if (this[BVRL] && isArray(this[BVRL]))
    for (var i = 0, arr = Array(this[BVRL].length); i < this[BVRL].length; i++) {
      this[BVRL].splice(i, 1);
    }
  }
};
callback = _BVRL$.shift.callback;

this.$root.$off(event, callback);

    this.$root.$off(event, callback);
  }
};

import { assign } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to eventListener mode.
 * @param {Element} el The DOM element to observe.
 * @param {Function} callback to be called on change.
 * @param {object} [opts={childList: true, subtree: true}] observe options.
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
  window.MozMutationObserver;
  var eventListenerSupported = window.addEventListener;

  // Handle case where we might be passed a vue instance.
  el = el ? el.$el || el : null;

  // istanbul ignore next: difficult to test in JSDOM.
  if (isElement(el)) {
    // We can't observe something that isn't an element
    return null;
  }

  var obs = null;

  // istanbul ignore next: difficult to test in JSDOM.
  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function (mutations) {
      var changed = false;

      // A Mutation can contain several change records, so we loop through them to see what has changed.
      // We break out of the loop early if any "significant" change has been detected for (var i = 0; i < mutations.length && changed; i++) {

        // The mutation record
        var mutation = mutations[i];

        // Mutation Type
        var type = mutation.type;

        // DOM Node (Could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;

        // This includes HTMLElement and Text Nodes being added/removed/re-arranged
        if (type === 'attributes') {
          changed = true;
        } else if (type === 'childList' &&
          (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
          changed = true;
        } else if (changed) {
          // We only call the callback if a change that could affect layout/size truly happened.
          callback();
        }
      }
    });
    // Have the observer observe the DOM node for changes in children, etc
    obs.observe(el, assign({ childList: true, subtree: true }, opts));
  } else if (eventListenerSupported) {
    // Legacy interface. most likely not used in modern browsers.
    el.addEventListener('DOMNodeInserted', callback, false);
    el.addEventListener('DOMNodeRemoved', callback, false);
  }

  return obs;
}

/**
 * Log a warning message to the console with bootstrap-vue formatting sugar.
 * @param {string} message
 */
/* istanbul ignore next */
function warn(message) {
  console.warn('[Bootstrap-Vue warn]: ' + message);
}

export default warn;
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Boolean(this.footerBorderVariant)), _ref4), this.footerClass;
    }
  },
  watch: {
    visible: function
      return 'modal-dialog-centered', this.centered), _ref2), this.headerClass;
    }
  },
  props: {
    title: {
      type: String,
      default: ''
    },
    titleTag: {
      type: String,
      default: 'h5'
    },
    lazy: {
      type: Boolean,
      default: false
    },
    noEnforceFocus: {
      type: Boolean,
      default: false
    },
  }

  model: {
    prop: 'visible',
    event: 'change'
  },

  data: function data() {
    return {
      is_hidden: this.lazy || false,
      is_visible: false,
      is_transitioning: false,
      show: this.is_show || this.is_transitioning || this.is_block
    };
  },

  onBeforeEnter, onEnter, onAfterEnter, onBeforeLeave, onLeave, onAfterLeave

  // Modals
  Modal Backdrop
    return backdrop;
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is_transitioning))
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is transitionin
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is transitionin
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is transitionin
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is transitionin
  }

  backdrop = h(false);
  if (!this.hideBackdrop && (this.is_visible || this.is transitionin
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```javascript
var showEvt = new BvEvent('show', { cancelable: true, vueTarget: this });

if (hasClass(document.body, 'modal-open')) {
  // If another modal is already open, wait for it to close
  this.$root.$once('bv::modal::hidden', this.$doShow);
} else {
  // Show the modal
  this.$doShow();
}

this.$emitEvent(showEvt);

if (showEvt.defaultPrevented || this.is_visible) {
  // Don't show if canceled
  return;
}

if (this.$refs.modal.$relatedTarget || this.is_visible) {
  this.$emit('change', true);
}

do this in nextTick to ensure the modal is in DOM first before we show it

this._observer.disconnect();

this._observer = null;

this.is_visible = false;

this.$emit('change', false);

if (this.is_resizable) {
  this.setResizeEvent(true);
}

this.onEnter();

this.focusFirst();

this.$refs.modal.scrollTop = 0;

this.onAfterEnter();

if (this.lazy) {
  this.enterLazyState();
}

this.$refs.modal.scrollTop = 0;

this.resetScrollbar();

this.adjustDialog();

addClass(document.body, 'modal-open');

this.setResizeEvent(true);

this.is_block = true;

this.checkScrollbar();

this.setScrollbar();

this.adjustDialog();

this.is_transitioning = false;

this.$refs.modal.$relatedTarget = null;

this.emitEvent(shownEvt);

if (shownEvt.defaultPrevented || !this.is_visible) {
  this.$emit('ok', shownEvt);
}

return;

this.$emit('cancel', hideEvt);

if (hideEvt.defaultPrevented || !this.is_visible) {
  this.$emit('ok', hideEvt);
}

else if (trigger === 'cancel') {
  this.$emit('cancel', hideEvt);
}

this.onLeave();

if (!this.noCloseOnBackdrop) {
  this.hide('backdrop');
}

if (hasClass(document.body, 'modal-open')) {
  this.onBeforeLeave();

  this.$emit('before-leave', hideEvt);

  this.$emit('change', false);

  this.$emitEvent(hideEvt);

  this.onAfterLeave();

  if (trigger === 'ok') {
    this.$emit('ok', hideEvt);
  }
}

var _this3 = this;

if (trigger === 'cancel') {
  this.preventDefault();
}

if (trigger === 'ok') {
  this.$emit('ok', hideEvt);
}

var type = bvEvt.type;

this.$emit(type, bvEvt);

this.$root.$emit('bv::modal::' + type, bvEvt);

this._this4.emitEvent(hiddenEvt);

if (this._this4.cancelable) {
  this._this4.cancel();
}

}```
this.return_focus = triggerEl || null;
this.show();
hideHandler: function hideHandler(id)
if (id === this.id) {
this.hide();
}
modalListener: function modalListener(bvEvt) {
// If another modal opens, close this one
if (bvEvt.vueTarget !== this) {
this.hide();
}
// Focus control handlers
focusFirst: function focusFirst() {
// Don't try and focus if we are SSR
if (typeof document === 'undefined') {
return;
}
var return_content = this.$refs.content;
var var modal = this.$refs.modal;
var activeElement = document.activeElement;
if (activeElement && & content & & content.contains(activeElement)) {
// If activeElement is child of content, no need to change focus
if (content) {
modal.scrollTop = 0;
// Focus the modal content wrapper
content.focus();
returnFocusTo: function returnFocusTo() {
// Prefer returnFocus prop over
event specified return_focus value
var el = this.returnFocus || null;
if (typeof el === 'string') {
// CSS Selector
el = select(el);
}
if (el) {
el = el.$el || el;
if (isVisible(el)) {
el.focus();
}
}
}
returnFocusTo();
}
adjustDialog: function adjustDialog() {
// This is_visible
if (this.is_visible) {
var return = this.$refs.modal;
var modal = this.$refs.modal;
var var ModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
if (!this.isBodyOverflowing && isModalOverflowing) {
modal.style.paddingLeft = this.scrollbarWidth + 'px';
}
if (this.isBodyOverflowing && & isModalOverflowing) {
modal.style.paddingRight = this.scrollbarWidth + 'px';
}
}
resetAdjustments: function resetAdjustments() {
var modal = this.$refs.modal;
if (modal) {
modal.style.paddingLeft = '0';
modal.style.paddingRight = '0';
}
checkScrollbar: function checkScrollbar() {
var rect = getBCR(document.body);
this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
}
setScrollbar: function setScrollbar() {
var computedStyle = window.getComputedStyle;
var body = document.body;
var scrollbarWidth = this.scrollbarWidth;
selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
var actualPadding = el.style.paddingRight;
setAttr(el, 'data-padding-right', actualPadding);
el.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
});
// Adjust sticky content margin
selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
var actualMargin = el.style.marginRight;
var calculatedMargin = computedStyle(el).marginRight;
var setAttr(el, 'data-margin-right', actualMargin);

ele.style.marginRight = parseFloat(calculatedMargin) - scrollbarWidth + 'px';
});
// Adjust navbar-toggler margin
selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
var actualMargin = el.style.marginRight;
var calculatedMargin = computedStyle(el).marginRight;
setAttr(el, 'data-margin-right', actualMargin);

ele.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
});
// Adjust body padding
var actualPadding = body.style.paddingRight;
var calculatedPadding = computedStyle(body).paddingRight || 0;
setAttr(body, 'data-padding-right', actualPadding);

// Adjust sticky content margin
selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
var actualMargin = el.style.marginRight;
var calculatedMargin = computedStyle(el).marginRight;
var setAttr(el, 'data-margin-right', actualMargin);

ele.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
});
// Adjust navbar-toggler margin
selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
var actualMargin = el.style.marginRight;
var calculatedMargin = computedStyle(el).marginRight;
var setAttr(el, 'data-margin-right', actualMargin);

ele.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
});
// Adjust body padding
var actualPadding = body.style.paddingRight;
var calculatedPadding = computedStyle(body).paddingRight;
setAttr(body, 'data-padding-right', actualPadding);

// Adjust sticky content margin
selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
if (hasAttr(el, 'data-padding-right')) {
el.style.paddingRight = getAttr(el, 'data-padding-right');
removeAttr(el, 'data-padding-right');
}
});
// Restore sticky content and navabar-toggler margin
selectAll(Selector.STICKY_CONTENT + ',' + Selector.NAVBAR_TOGGLER).forEach(function (el) {
if (hasAttr(el, 'data-margin-right')) {
el.style.marginRight = getAttr(el, 'data-margin-right');
removeAttr(el, 'data-margin-right');
}
});
// Restore body padding
var body = document.body;
if (hasAttr(body, 'data-padding-right')) {
body.style.paddingRight = getAttr(body, 'data-padding-right');
removeAttr(body, 'data-padding-right');
}
Open Source Used In APIC-SE-BATMAN v2.0.1
component = normalizer(script, render, staticRenderFns, false, null, '502aea85', null, null, 'EmbedForm.vue', 'unexport default component.exports', '', 'template')

<template>
  <div class="sharing-options" :style="style">
    <social-sharing v-bind="valuesFor('twitter')" inline-template>
      <network network="twitter" class="sharing-options__link">
        <fa :icon="['fab', 'twitter']" /> <span class="sr-only">Share on Twitter</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('facebook')" inline-template>
      <network network="facebook" class="sharing-options__link">
        <fa :icon="['fab', 'facebook']" /> <span class="sr-only">Share on Facebook</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('linkedin')" inline-template>
      <network network="linkedin" class="sharing-options__link">
        <fa :icon="['fab', 'linkedin']" /> <span class="sr-only">Share on Linkedin</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('email')" inline-template>
      <network network="email" class="sharing-options__link">
        <fa icon="envelope" /> 
        <span class="sr-only">Share by email</span>
      </network>
    </social-sharing>
    <a v-show="!noEmbed" @click="showEmbedForm">
      <fa icon="code" /> <span class="sr-only">Embed</span>
    </a>
    <b-modal hide-footer ref="embedForm" title="Embed on your website" class="text-dark">
      <embed-form no-title no-preview :min-height="iframeMinHeight" :min-width="iframeMinWidth"></embed-form>
    </b-modal>
  </div>
</template>

<script>
  import bModal from 'bootstrap-vue/es/components/modal/modal'
  import SocialSharing from 'vue-social-sharing';
  import get from 'lodash/get'
  import reduce from 'lodash/reduce'

  import i18n from '@/i18n'
  import { faCode } from '@fortawesome/free-solid-svg-icons/faCode'
  import { faEnvelope } from '@fortawesome/free-solid-svg-icons/faEnvelope'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import EmbedForm from './EmbedForm.vue'
  import config from '../config'
  import IframeResizer from '../utils/iframe-resizer'

  import { library } from './Fa'

  /**
   * SharingOptions
   */
  export default {
    i18n,
    name: 'SharingOptions',
    components: {
      bModal,
      EmbedForm,
      SocialSharing,
    },
    beforeMount () {
      library.add(faCode, faEnvelope, faTwitter, faFacebook, faLinkedin)
      // Inject Fa components in child component
      SocialSharing.components.Fa = require('./Fa').default
    },
    props: {
      url: {
        type: String,
        default: () => config.get('sharing-options.url', null) || IframeResizer.deletePymParams()
      },
      direction: {
        default: 'row',
        validator (value) {
          return ['row', 'row-reverse', 'column', 'column-reverse'].indexOf(value) !== -1
        }
      },
      values: {
        type: Object,
        default: () => ({})
      },
      valuesKeys: {
        default: () => ['url', 'title', 'description'],
        type: Array
      },
      noEmbed: {
        type: Boolean
      },
      iframeMinHeight: {
        type: Number
      },
      iframeMinWidth: {
        type: Number
      },
      noMeta: {
        type: Boolean
      },
      showEmbedForm: {
        type: Boolean
      }
    },
    methods: {
      showEmbedForm () {
        this.showShareOptions = false
        return this.$refs.embedForm.show()
      },
      valuesFor (key, metaSelector = null) {
        if (this.noMeta || !metaSelector) {
          return config.get(key)
        }
        return get(document.head.querySelector(metaSelector), 'content', config.get(key))
      },
      computed: {
        style
      }
    }
  }
</script>
```javascript

/**
 * Target of the ICIJ logo and title links.
 */
homeUrl: {
  type: String,
  default: () => config.get('app.home')
},
/**
 * Sharing option values to bind to the sharing-options component on the bottom-right corner.
 */
sharingOptionsValues: {
  type: Object,
  default: () => ({})
},

mounted () {
  IframeResizer.create();
}
</script>

<style lang="scss" scoped>
  @import '../styles/lib';
  @import '../styles/mixins';

  @include keyframes(slideup) {
    0% {
      transform: translateY(100%);
      opacity:0;
    } 100% {
      transform: translateY(0%);
      opacity:1;
    }

    &__brand {
      padding-right: $spacer;
      margin-right: $spacer;
      border-right: 2px solid white;
      font-family: $headings-font-family;
      font-size: 1.1em;
    }

    &__lead {
      flex-grow: 1;
      min-width: 0;
      font-size: 0.9em;
    }

    &__share-btn {
      border:1px solid transparent;
      height: 2.5em;
      line-height: 2.5em;
      width: 2.5em;
      font-size: 80%;
      text-align: center;
      border-radius: 50%;
      &:hover {
        background: rgba(white, .1);
      }
      &:active {
        border-color: white;
      }
    }

  }
</style>
```

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```javascript
else {
  this.errorMessage = last((res.msg || "Something's wrong").split('
'))
}

resetMessages () {
  this.errorMessage = null
  this.successMessage = null
  this.frozen = true
}

freeze () {
  this.frozen = false
}

errorMessage = last((res.msg || "Something's wrong").split('0 -'))

resetMessages () {
  this.errorMessage = null
  this.successMessage = null
}

freeze () {
  this.frozen = false
}

unfreeze () {
  this.frozen = true
}

</script>

<style lang="scss">
  @import '../styles/lib.scss';

  .sign-up-form {

    .sign-up-form__fieldset__group__addon .btn {
      font-size: 0.9em;
    }

    &:not(&--horizontal) {
      .sign-up-form__fieldset__group__addon .btn {
        display: block;
        width: 100%;
      }
    }

    &__social-btn {
      height: 46px;
      width: 46px;
      line-height: 46px;

      i.fab {
        line-height: inherit;
        font-size: 1.5em;
      }
    }

    &__close {
      position: absolute;
      right: $spacer / 2;
      top: $spacer / 2;
    }
  }
</style>

<template>
  <div class="follow-us">
    <button class="btn btn-link text-light follow-us__close" @click="closeSignupPopover">
      <fa icon="times" />
    </button>
    <sign-up-form class="p-3"></sign-up-form>
    <div class="px-3 pb-1 text-uppercase text-muted font-weight-bold">
      {{ $t('follow-us-popover.heading') }}
    </div>
    <div class="p-3 bg-light container-fluid text-center">
      <div class="row">
        <div class="col">
          <a href="https://twitter.com/icijorg" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Twitter">
            <fa :icon="['fab', 'twitter']" size="lg" />
            <span class="sr-only">Twitter</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.facebook.com/ICIJ.org" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Facebook">
            <fa :icon="['fab', 'facebook']" size="lg" />
            <span class="sr-only">Facebook</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.linkedin.com/company/1732242/" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Linkedin">
            <fa :icon="['fab', 'linkedin']" size="lg" />
            <span class="sr-only">Linkedin</span>
          </a>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
  import { faTimes } from '@fortawesome/free-solid-svg-icons/faTimes'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import i18n from '@/i18n'
  import SignUpForm from './SignUpForm.vue'
  import { library } from './Fa'

  /**
   * FollowUsPopover
   */
  export default {
    name: 'FollowUsPopover',
    components: {
      Fa: require('./Fa').default,
      SignUpForm
    },
    beforeMount () {
      library.add(faTimes, faTwitter, faFacebook, faLinkedin)
    },
    methods: {
      closeSignupPopover() {
        /**
         * Fired when user click on the 'close' button
         *
         * @event update:show
         * @type {boolean}
         * @this.Semi(prompt:show, false)
         */
        this.$emit('update:show', false)
      }
    }
  }
</script>

<style lang="scss" scoped>
  @import '../styles/lib';
</style>
```
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<p>Open Source Used in APIC-SE-BATMAN v2.0.1  19184</p>
Open Source Used In APIC-SE-BATMAN v2.0.1

Sure we have a reference to an element, not a component!

Instantiate popper.js

this.createPopper(element); // Instant this.$emit('shown'); // Focus on the first item on show
this.$nextTick(this.focusFirstChild); },
hideMenu: function hideMenu() { // called from this.setTouchStart
this.emitOnRoot('bv::dropdown::hidden', this.$emit('hidden'); // this.$emit('hidden'); //this.removePopper(); },
createPopper: function createPopper(element) { // called from
this.$emitOnRoot('bv::dropdown::destroy', this._popper.destroy()); },
getPopperConfig /* istanbul ignore next: can't test popper in JSDOM */: function getPopperConfig() { var placement = AttachmentMap.BOTTOM; if (this.dropdown & this.right) { // dropdown + right
placement = AttachmentMap.TOPEND; } else if (this.dropdown) { // dropdown + left:
placement = AttachmentMap.TOP; } else if (this.right) { // dropdown + right:
placement = AttachmentMap.BOTTOMEND; }
var popperConfig = { // placement: placement,
placement: placement,
modifiers: {
offset: { offset: this.offset || 0 },
flip: { enabled: !this.noFlip },
}
if (this.boundary) { // this.boundary
return assign(popperConfig, this.popperOpts || {}); },
setTouchStart: function setTouchStart(on) { // called from
var this._this = this; // on
/* istanbul ignore next: not easy to test */
function _noop() { // Do nothing event handler (used in touchstart event handler)
},

clickOutListener: function clickOutListener() { // Only needed because of broken event
delegation on iOS
* https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html
/*
if ('ontouchstart' in document.documentElement) { // var children = arrayFrom(document.body.children);
children.forEach(function (el) { // if (on)
{ eventOn('mouseover', _this._noop); }
else { // empty mouseover listeners to the body's immediate children
* only needed because of broken event
},

click: function click(event) { // Calle only in split button mode, for the split
this.element = event.target; // button
this.visible = true; // false; //
hide: function hide() { // Public method to hide dropdown
if (this.disabled) { // return true
return false; //
}
// Only toggle on Click, Enter, Space, and Arrow Down
return false; //
if (this.disabled) { // this.visible = false;
return false; //
}
// Public method to show dropdown
if (this.disabled) { // return false
return true; //
}
/* istanbul ignore next: not easy to test */
// called from dropdown menu context
var key = evt.keyCode; // if (key === KeyCodes.ENTER)
return true; //
if (this.disabled) { // this.visible = false;
return true; //
}
this.$emit('shown'); //

// Focus on the first item in the dropdown
// Note: Inputs are in a special
_functions_container
this.visible = false; //
this.$emit('hidden'); //
if (this.$$refs.menu.contains(evt.relatedTarget)) { // called from
this.$emit('hidden'); //
}
/* istanbul ignore next: not easy to test */
// Focus the item on
var OffsetMap = {
  AUTO: 0,
  TOPLEFT: -1,
  TOP: 0,
  TOPRIGHT: +1,
  RIGHTTOP: +1,
  RIGHT: 0,
  RIGHTBOTTOM: +1,
  BOTTOMLEFT: -1,
  BOTTOM: 0,
  BOTTOMRIGHT: +1,
  LEFTTOP: -1,
  LEFT: 0,
  LEFTBOTTOM: +1
};

var HoverState = {'show': 'show', 'OUT': 'out';}
var Selector = { // ESLINT: Not used
  TOOLTIP: '.tooltip',
  TOOLTIP_INNER: '.tooltip-inner',
  ARROW: '.arrow'
}

var TransitionEndEvents = [\n  'webkitTransitionEnd', \n  'MozTransitionEnd', \n  'transitionend'
];

var NEXTID = 1;

function generateId(name) {
  return '__BV_' + name + '_' + NEXTID++ + '__';
}

/*
 * ToolTip Class definition
 */

var ToolTip = function () {
  // Main constructor
  function ToolTip(element, config, $root) {
    _classCallCheck(this, ToolTip);

    // New tooltip object
    this.$isEnabled = true;
    this.$hoverTimeout = null;
    this.$visibleInterval = null;
    this.$hoverState = '';
    this.$activeTrigger = {};
    this.$popper = null;
    this.$element = element;
    this.$tip = null;
    this.$id = generateId(this.constructor.NAME);
    this.$root = $root || null;
    this.$routeWatcher = null;
    // We use a bound version of the following handlers for root/modal listeners to maintain the 'this' context
    this.$forceHide = this.forceHide.bind(this);
    this.$doHide = this.doHide.bind(this);
    this.$doShow = this.doShow.bind(this);
    this.$doDisable = this.doDisable.bind(this);
    this.$doEnable = this.doEnable.bind(this);
    // Set the configuration
    this.updateConfig(config);
  }

  // NOTE: Overridden by PopOver class

  _createClass(ToolTip, [
    { key: 'updateConfig',
      value: function updateConfig(config) {
        // Merge config into defaults. We use 'this' here because PopOver overrides Default
        var updatedConfig = assign({}, this.constructor.Default, config);
        // Sanitize delay
        if (config.delay && typeof config.delay === 'number') {
          updatedConfig.delay = {
            show: config.delay,
            hide: config.delay
          };
        }

        // Content only for popover
        if (config.content && typeof config.content === 'number') {
          updatedConfig.content = config.content.toString();
        }

        // Hide element original title if needed
        this.fixTitle();

        // Update the config
        this.$config = updatedConfig;
        // Stop/Restart listening
        if (this.$unListen) {
          this.$unListen();
        }

        // Destroy this instance
        this.$removeClass('class', this.$id);
      }
    },
    { key: 'destroy',
      value: function destroy() {
        // Remove popper from document
        this.$popper = null;
        // Remove tip from document
        this.$tip = null;
      }
    },
    { key: 'enable',
      value: function enable() {
        // Create a non-cancelable BvEvent
        var enabledEvt = new BvEvent('enabled', { cancelable: false, target: this.$element, relatedTarget: null });
        this.$isEnabled = true;
        this.$emitEvent(enabledEvt);
      }
    },
    { key: 'disable',
      value: function disable() {
        // Create a non-cancelable BvEvent
        var disabledEvt = new BvEvent('disabled', { cancelable: false, target: this.$element, relatedTarget: null });
        this.$isDisabled = true;
        this.$emitEvent(disabledEvt);
      }
    },
    { key: 'show',
      value: function show() {
        // Update config
        this.$visibleInterval = null;
        // Stop/Restart listening
        if (this.$unListen) {
          this.$unListen();
        }

        // Destroy this instance
        this.$removeClass('class', this.$id);
      }
    },
    { key: 'hide',
      value: function hide() {
        // Update config
        this.$visibleInterval = null;
        // Stop/Restart listening
        if (this.$unListen) {
          this.$unListen();
        }

        // Destroy this instance
        this.$removeClass('class', this.$id);
      }
    },
    { key: 'allowUpdate',
      value: function allowUpdate() {
        // Update config
        this.$visibleInterval = null;
        // Stop/Restart listening
        if (this.$unListen) {
          this.$unListen();
        }

        // Destroy this instance
        this.$removeClass('class', this.$id);
      }
    },
    { key: 'undoUpdate',
      value: function undoUpdate() {
        // Update config
        this.$visibleInterval = null;
        // Stop/Restart listening
        if (this.$unListen) {
          this.$unListen();
        }

        // Destroy this instance
        this.$removeClass('class', this.$id);
      }
    },
    { key: 'fixTitle',
      value: function fixTitle() {
        // Fix title
        this.$element.removeAttribute('title');
      }
    }
  ]);
function hide(null, true) {
  // Don't hide if event cancelled
  return;
}

// Transitionend Callback
var complete = function complete() {
  if (_this.$config.animation) {
    _this.fixTransition(_tip);
  }
  // End transition
  _this.$visibleInterval = null;
  _this.$visibleState = HoverState.OUT;
  _this.$hoverState = null;
  // Remove popper
  _this.removePopper();
  _this.$popper = null;
  // Unsubscribe listeners
  _this.setWhileOpenListeners(false);
  // Remove any force hide
  _this.$forceHide = false;
  // Free up memory
  _this.$tip = null;
  _this.$element = null;

  return;
};

// Force hide of tip (internal method)
function forceHide() {
  if (_this.$enabled) {
    _this.$enabled = false;
    _this.$forceHide = true;
  }

  if (_this.$config.animation) {
    _this.fixTransition(_tip);
  }

  _this.$visibleInterval = null;
  _this.$visibleState = HoverState.OUT;
  _this.$hoverState = null;
  _this.removePopper();
  _this.$popper = null;

  // Unsubscribe listeners
  _this.setWhileOpenListeners(false);
  _this.$forceHide = true;
}

// Create a cancelable BvEvent
var showEvent = new BvEvent('show', {
  cancelable: true,
  target: _this.$element,
  relatedTarget: _this.$tip
});

// Create a cancelable BvEvent
var showEvt = new BvEvent('show', {
  cancelable: false,
  target: _this.$element,
  relatedTarget: _this.$tip
});

// Create a cancelable BvEvent
var hideEvt = new BvEvent('hide', {
  cancelable: true,
  target: _this.$element,
  relatedTarget: _this.$tip
});

// Transitionend Callback
var complete = function complete() {
  if (_this.$config.animation) {
    _this.fixTransition(_tip);
  }
  // End transition
  _this.$visibleInterval = null;
  _this.$visibleState = HoverState.OUT;
  _this.$hoverState = null;
  // Remove popper
  _this.removePopper();
  _this.$popper = null;
  // Unsubscribe listeners
  _this.setWhileOpenListeners(false);
  // Remove any force hide
  _this.$forceHide = false;
  // Free up memory
  _this.$tip = null;
  _this.$element = null;

  return;
};

// Force hide of tip (internal method)
function forceHide() {
  if (_this.$enabled) {
    _this.$enabled = false;
    _this.$forceHide = true;
  }

  if (_this.$config.animation) {
    _this.fixTransition(_tip);
  }

  _this.$visibleInterval = null;
  _this.$visibleState = HoverState.OUT;
  _this.$hoverState = null;
  _this.removePopper();
  _this.$popper = null;

  // Unsubscribe listeners
  _this.setWhileOpenListeners(false);
  _this.$forceHide = true;
}
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```javascript

/* istanbul ignore next */
var complete = function complete() {
  if (_this3.ShoverState !== HoverState.SHOW &
  && tip.parentNode) {
    // Remove tip from dom, and force recompile on next show
    tip.parentNode.removeChild(tip);
    this.removeAriaDescribedby();
    this.removePopper();
    this.$tip = null;
    // Create a non-cancelable BVEvent
    var hiddenEvt = new BVEvent('hidden', { cancelable: false, target: _this3.$element, relatedTarget: null });
    this.emitEvent(hiddenEvt);
    // Disable while open
    this.setWhileOpenListeners(false);
    // If forced close, disable animation
    if (force) {
      removeClass(tip, ClassName.FADE);
    }
    // Hide tip
    removeClass(tip, ClassName.SHOW);
    this.$tipActiveTrigger.click = false;
    this.$tipActiveTrigger.focus = false;
    this.$tipActiveTrigger.hover = false;
    // Start the hide transition
    this.transitionOnce(tip, complete);
    this.ShoverState = 'in';
    // Emit an event on $root
    this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName, evt);
    var callbacks = this.$config.callbacks;
    if (callbacks) {
      var callback = callbacks[evtName] == 'function'
        ? callbacks[evtName](evt)
        : this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName, evt);
      if (callback) {
        callback();
      }
    }
    this.$tip = null;
    if (callback) {
      callback();
    }
    // Create a non-cancelable BVEvent
    var hiddenEvt = new BVEvent('hidden', { cancelable: false, target: _this3.$element, relatedTarget: null });
    this.emitEvent(hiddenEvt);
    // Disable while open
    this.setWhileOpenListeners(false);
    // If forced close, disable animation
    if (force) {
      removeClass(tip, ClassName.FADE);
    }
    // Hide tip
    removeClass(tip, ClassName.SHOW);
    this.$tipActiveTrigger.click = false;
    this.$tipActiveTrigger.focus = false;
    this.$tipActiveTrigger.hover = false;
    // Start the hide transition
    this.transitionOnce(tip, complete);
    this.ShoverState = 'in';
    // Emit an event on $root
    this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName, evt);
    var callbacks = this.$config.callbacks || [];
    if (typeof callbacks[evtName] === 'function') {
      callbacks[evtName](evt);
    }
    if (callback) {
      callback();
    }
  }
}

```
(this.isWithActiveTrigger()) { return;
    } in clearTimeout(this.$hoverTimeout);
    return;
  }
  in this.$hoverTimeout = setTimeout(function () { if (!this.$config.delay || this.$config.delay.hide) { this.hide(); return;
    }
    this.$hoverTimeout = clearTimeout(this.$hoverTimeout);
    this.$hoverState = HoverState.OUT;
    if (_this11.$hoverState === HoverState.OUT) { return;
    }
    if (_this11.$hoverState === HoverState.OUT) { return;
    }
    if (!this.$config.delay || !this.$config.delay.hide) {
        this.hide(); return;
      }
    this.$hoverTimeout = setTimeout(function () { if (_this11.$hoverState === HoverState.OUT) {
        _this11.hide();
      }
    }, this.$config.delay.hide);
  }, {
    key: 'getPopperConfig',
    value: function getPopperConfig(placement, tip) {
      var _this12 = this;
      return { placement: this.constructor.getAttachment(placement), modifiers: [{ offset: { offset: this.getOffset(placement, tip) } }, { flip: { behavior: this.constructor.fallbackPlacement }, arrow: { element: '.arrow' } }]
    }
  }, {
    key: 'preventOverflow',
    value: function preventOverflow() {
      boundariesElement: this.constructor.boundary },
    onCreate: function onCreate(data) {
      // Handle flipping arrow classes
      if (!data) return;
      if (data.placement === HoverState.OUT) {
        _this12.handlePopperPlacementChange(data);
      }
    },
    onUpdate: function onUpdate(data) {
      // Handle flipping arrow classes
      _this12.handlePopperPlacementChange(data);
    },
    key: 'getOffset',
    value: function getOffset(placement, tip) {
      if (!this.$config.offset) {
        var arrow = select(Selector.ARROW, tip);
        var arrowOffset = parseFloat(getCS(arrow).width) + parseFloat(this.$config.arrowPadding);
        switch (OffsetMap[placement.toUpperCase()]) {
          case +1:
            return '+50% p - ' + arrowOffset + 'px';
          case -1:
            return '-50% p + ' + arrowOffset + 'px';
          default:
            return 0;
        }
      }
      return this.$config.offset;
    },
    key: 'getPlacement',
    value: function getPlacement() {
      var placement = this.constructor.placement;
      if (typeof placement === 'function') {
        return placement.call(this, this.$tip, this.$element);
      }
      return placement;
    },
    key: 'isWithActiveTrigger',
    value: function isWithActiveTrigger() {
      for (var trigger in this.$activeTrigger) {
        if (this.$activeTrigger[trigger]) {
          return true;
        }
      }
      return false;
    },
    key: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        tabClass.forEach(function (cls) {
          removeClass(tip, cls);
        });
      }
    },
    key: 'handlePopperPlacementChange',
    value: function handlePopperPlacementChange(data) {
      var cleanTipClass = this.constructor.getAttachment(data);
      this.$hoverTimeout = setTimeout(function () { if (!this.$config.offset) {
        var arrow = select(Selector.ARROW, tip);
        var arrowOffset = parseFloat(getCS(arrow).width) + parseFloat(this.$config.arrowPadding);
        switch (OffsetMap[placement.toUpperCase()]) {
          case +1:
            return '+50% p - ' + arrowOffset + 'px';
          case -1:
            return '-50% p + ' + arrowOffset + 'px';
          default:
            return 0;
        }
      }
      return this.$config.offset;
    },
    key: 'getAttachment',
    value: function getAttachment(placement) {
      return AttachmentMap[placement.toUpperCase()];
    }
  }, {
    key: 'Default',
    get: function get() {
      return Defaults;
    },
    key: 'NAME',
    get: function get() {
      return NAME;
    }
  });
  return ToolTip;
}();

export default ToolTip;
superClass; }\n
inject ToolTip from './tooltip.class';\nimport { assign } from './object';\nimport { select, addClass, removeClass, getAttr } from './dom';\n\nvar NAME = 'popover';\nvar CLASS_PREFIX = 'bs-popover';\nvar BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');\n\nvar Defaults = assign([], ToolTip.Default, { \n  placement: 'right', \n  trigger: 'click', \n  content: '', \n  template: '<div class="popover-header"></div>' + '<div class="arrow"></div>' + '<h3 class="popover-header"></h3>' + '<div class="popover-body"></div>' + '</div>', -titleElement > }) \n
var ClassName = { \n  FADE: 'fade', \n  SHOW: 'show', \n  Selectors: { \n    TITLE: '.popover-header', \n    CONTENT: '.popover-body', \n  }, \n  BSCLS_PREFIX: new RegExp('\b' + CLASS_PREFIX + '\S+', 'g'), \n}; \n\nvar PopOver = function (_ToolTip) { \n  _inherits(PopOver, _ToolTip); \n  \n  function PopOver() { \n    _classCallCheck(this, PopOver); \n    \n    return _possibleConstructorReturn(this, (PopOver.__proto__ || Object.getPrototypeOf(PopOver)).apply(this, arguments)); \n  } \n  \n  _createClass(PopOver, [\n    { \n      key: 'isWithContent', \n      value: function isWithContent(tip) { \n        tip = tip || this.$tip; \n        if (!tip) { \n          return false; \n        } \n        var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML); \n        var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML); \n        return hasTitle || hasContent; \n      } \n    }, \n    { \n      key: 'addAttachmentClass', \n      value: function addAttachmentClass(attachment) { \n        addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment); \n      } \n    }, \n    { \n      key: 'setContent', \n      value: function setContent(tip) { \n        this.setElementContent(select(Selector.TITLE, tip), this.getTitle()); \n        this.setElementContent(select(Selector.CONTENT, tip), this.getContent()); \n        removeClass(tip, ClassName.FADE); \n        removeClass(tip, ClassName.SHOW); \n      } \n    }, \n    { \n      key: 'cleanTipClass', \n      value: function cleanTipClass() { \n        var tip = this.getTipElement(); \n        try { \n          tip.className = tip.className.replace(BSCLS_PREFIX_REGEX, ''); \n        } catch (ex) { \n          // ignore \n        } \n        var tabClass = tip.className.match(BSCLS_PREFIX_REGEX); \n        if (tabClass !== null && tabClass.length > 0) { \n          tabClass.forEach(function (cls) { \n            removeClass(tip, cls); \n          }); \n        } \n        var tipTitle = this.$config.title || ''; \n        if (typeof tipTitle === 'function') { \n          tipTitle = tipTitle(); \n        } \n        if (typeof tipTitle === 'undefined' || tipTitle === '') { \n          tipTitle = getAttr(this.$element, 'title'); \n        } \n        if (tipTitle) { \n          this.$config.content = tipTitle; \n        } \n        \n      } \n    }, \n    \n  ]); \n\n  return PopOver; \n}(ToolTip); \n\nexport default PopOver;
callback();
      }
    },
    onDisable: function onDisable() {
      if (this._toolpop) {
        this._toolpop.hide(callback);
      } else if (typeof callback === 'function') {
        this._toolpop.show();
      }
    },
    onClose: function onClose(callback) {
      if (this.$refs.content) {
        cfg.html = true;
      }
      return cfg;
    },
    onOpen: function onOpen() {
      if (this.$refs.content && this.$refs.content.innerHTML.trim()) {
        // If slot has content, it overrides 'title' prop
        // We use the DOM node as content to allow components!
        cfg.title = this.$refs.title;
        cfg.html = true;
      } else if (this._toolpop) {
        this._toolpop.updateConfig(this.getConfig());
      }
      if (this.title || '').trim() || '',
        // Contnt prop (if popover)
        content: (this.content || '').trim() || '',
        // Contains a number or object
        computed: { baseConfig: function baseConfig() {
          var cont = this.container;
          var delay = 0
        },
        // Boundary of element
        boundary: { type: [String, Object, HTMLElement, Function] },
        // Delay before Show/Hide
        delay: 
        delay: { type: Number, default: 0
      },
      // Offset can be css distance. if no units, pixels are assumed
      offset: { type: [Number, String] },
      // Placement of ToolTip/Popover
      placement: PLACEMENTS[this.placement] || 'auto',
      // Content prop (if popover)
      content: function(content) {
        var cont = this.container;
        var delay = 0
      },
      // Contnt prop (if popover)
      content: function(content) {
        return;
      }
      _disabled ? this.onDisable() : this.onEnable();
    }
  },
  created: function created()
    if (this.$refs.content && this.$refs.content.innerHTML.trim()) {
      // If slot has content, it overrides 'title' prop
      // We use the DOM node as content to allow components!
      cfg.html = true;
      return cfg;
    } else if (typeof callback === 'function') {
      return callback;
    },
    onOpen: function onOpen() {
      if (this._toolpop) {
        this._toolpop.updateConfig(this.getConfig());
      }
      if (this.title || '').trim() || '',
        // Contnt prop (if popover)
        content: (this.content || '').trim() || '',
        // Contains a number or object
        computed: { baseConfig: function baseConfig() {
          var cont = this.container;
          var delay = 0
        },
        // Boundary of element
        boundary: { type: [String, Object, HTMLElement, Function] },
        // Delay before Show/Hide
        delay: 
        delay: { type: Number, default: 0
      },
      // Offset can be css distance. if no units, pixels are assumed
      offset: { type: [Number, String] },
      // Placement of ToolTip/Popover
      placement: PLACEMENTS[this.placement] || 'auto',
      // Content prop (if popover)
      content: function(content) {
        var cont = this.container;
        var delay = 0
      },
      // Contnt prop (if popover)
      content: function(content) {
        return;
      }
      _disabled ? this.onDisable() : this.onEnable();
    }
  },
  created: function created()
import { render, staticRenderFns } from "./ResponsiveIframe.vue?vue&type=template&id=2b5efd28&"
import script from "./ResponsiveIframe.vue?vue&type=script&lang=js&"
export * from "./ResponsiveIframe.vue?vue&type=script&lang=js&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null,
  null,
  null,
  null
)

component.options.__file = "ResponsiveIframe.vue"
export default component.exports

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', { attrs: {id: _vm.iframeId } })
}

var staticRenderFns = []

export { render, staticRenderFns }

<template>
  <div :id="iframeId"></div>
</template>

<script>
const noop = () => (null)

/**
 * SlideUpDown
 */
export default {
  name: 'SlideUpDown',
  props: {
    /**
     * Toggler property. Set to <em>false</em> to hide the component.
     */
    active: {
      type: Boolean,
    },
    /**
     * Duration of the animation.
     */
    duration: {
      type: Number,
      default: 200
    },
    /**
     * HTML tag to render this component to.
     */
    tag: {
      type: String,
      default: 'div'
    }
  },
  data () {
    return {
      state: 'post',
      mounted: false,
      scrollHeight: 0,
      active: false
    }
  },
  watch: {
    active (toggler) {
      this.triggerSlide()
    }
  },
  render (h) {
    return h(this.tag, { style: this.style }, this.$slots.default)
  },
  mounted () {
    this.deferedNextTick(() => {
      this.mounted = true
      this.cleanLayout()
      this.$container.addEventListener("transitionend", this.cleanLayout)
    })
  },
  computed: {
    stylePreTransition () {
      return {
        'overflow': 'hidden',
        'transition-property': 'height',
        'transition-duration': '0.0s',
        'height': this.mouned ? this.scrollHeight : 0,
      }
    },
    styleActiveTransition () {
      return {
        'overflow': 'hidden',
        'transition-property': 'height',
        'transition-duration': this.$duration
      }
    }
  }

const triggerSlide = function (active) {
  var el = this.$refs.container
  var target = this.$slots.default[0].elm
  var hasTransition = el.style.transition !== null
  if (hasTransition) {
    var from = el.style.height
    var to = active ? el.scrollHeight : 0
    el.style.height = `${to}px`
    el.style.overflow = 'hidden'
    el.style['transition-property'] = 'height'
    el.style['transition-duration'] = `${this.$duration}s`
    el.style['height'] = `${to}px`
    this.$nextTick(() => {
      el.style.overflow = 'visible'
    })
  } else {
    el.scrollTop = el.scrollHeight
  }
}

const deferedNextTick = function () {
  if (typeof Promise === 'function') {
    return Promise.resolve().then(noop)
  } else {
    return new Promise(resolve => setTimeout(resolve, 0))
  }
}

const cleanLayout = function () {
  this.$refs.container.style.overflow = 'visible'
}

const mount = function () {
  this.$el.innerHTML = this.$options.render.call(this.$vnode, {})
  this.$el.style.overflow = 'hidden'
  this.$slots.default.forEach(slot => { slot.$el.style.overflow = 'hidden' })
  this.$refs.container.style.overflow = 'hidden'
}

const initComponent = function (vm) {
  if (vm.$options.active) {
    triggerSlide.call(vm, true)
  }
}

initComponent(this)
</script>
components() {
    return components
}
static install(Vue, options) {
    Object.keys(components).forEach(key => Vue.component(key, components[key]))
}

export default

import './setPublicPath'
import mod from '~entry'
export default mod
export * from '~entry'

var assocIndexOf = require('./_assocIndexOf');

/**
 * Checks if a list cache value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf ListCache
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function listCacheHas(key) {
    return assocIndexOf(this.__data__, key) > -1;
}

module.exports = listCacheHas;

var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/** `Object#toString` result references. */
var symbolTag = '[object Symbol]';

/**
 * Checks if `value` is classified as a `Symbol` primitive or object.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a symbol, else `false`.
 * @example
 *
 * _.isSymbol(Symbol.iterator);
 * // => true
 *
 * _.isSymbol('abc');
 * // => false
 */
function isSymbol(value) {
    return typeof value == 'symbol' ||
        (isObjectLike(value) && baseGetTag(value) == symbolTag);
}

module.exports = isSymbol;

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-
tgz/package/dist/lib/@icij/murmur.common.js.map

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


// for more details.

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// distribute, sublicense, and/or sell copies of the Software, and to permit
// The above copyright notice and this permission notice shall be included
// in all copies or substantial portions of the Software.
/**
 * Creates an array of the own enumerable property names of `object`.
 *
 * **Note:** Non-object values are coerced to objects. See the
 * [ES spec](http://ecma-international.org/ecma-262/7.0/#sec-object.keys)
 * for more details.
 *
 * @static
 * @since 0.1.0
 * @memberOf 
 * @category Object
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names.
 * @example
 *
 * function Foo() {
 *   this.a = 1;
 *   this.b = 2;
 * }
 * 
 * Foo.prototype.c = 3;
 *
 * _.keys(new Foo);
 * // => ['a', 'b'] (iteration order is not guaranteed)
 *
 * _.keys('hi');
 * // => ['0', '1']
 */
/**
 * @fileOverview Kickass library to create and place poppers near their reference elements.
 * @version 1.14.5
 * @license
 * Copyright (c) 2016 Federico Zivolo and contributors
 *
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.270/murmur-1-1-0-tgz/package/dist/lib/@icij/murmur.umd.js
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.270/murmur-1-1-0-tgz/package/dist/lib/@icij/murmur.common.js

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

/*! 
* jQuery JavaScript Library v3.3.1
* https://jquery.com/
*  
* Includes Sizzle.js
* https://sizzlejs.com/
*  
* Copyright JS Foundation and other contributors
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* https://jquery.org/license
*  
* Date: 2018-01-20T17:24Z
*/

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* (c) 2016-present dalphyx <wjcbmk@gmail.com>
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*/

/*! 
* @fileOverview Kickass library to create and place poppers near their reference elements.
* @version 1.14.5
* @license
* Copyright (c) 2016 Federico Zivolo and contributors
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-tgz/package/dist/lib/@icij/murmur.umd.min.js

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

{"version":3,"sources":[]}
Open Source Used In APIC-SE-BATMAN v2.0.1  19243
Open Source Used in APIC-SE-BATMAN v2.0.1  19265

(function webpackUniversalModuleDefinition(root, factory)
{
	if(typeof exports === 'object' && typeof module === 'object')
		module.exports = factory(require("vue"));
	else if(typeof define === 'function' && define.amd)
		define([], factory);
	else
		if(typeof exports === 'object')
			exports["@icij/murmur"] = factory(require("vue"));
	else
		root["@icij/murmur"] = factory(root["Vue"]);

})((typeof self !== 'undefined' ? self : this), function(__WEBPACK_EXTERNAL_MODULE__8bbf__) {
return 
// The module cache
var installedModules = {};

// The require function
function __webpack_require__(moduleId)
{
	// Check if module is in cache
if(installedModules[moduleId]) {
	return
installedModules[moduleId].exports;
}
	// Create a new module (and put it into the cache)
var module = installedModules[moduleId] = {
i: moduleId,
l: false,
e: {}
};

// Execute the module function
module.e = function() {
	((typeof self !== 'undefined' ? self : this)["_e"] || global["_e"])(module, module.exports, __webpack_require__);
	module.l = true;
};

// Return the exports of the module
return

});
Object.prototype && IteratorPrototype.next) {
  // Set @@toStringTag to native iterators
  setTostringTag(IteratorPrototype, TAG, true);
  // fix for some old engines
  if (!LIBRARY && typeof IteratorPrototype[ITERATOR] != 'function') hide(IteratorPrototype, ITERATOR, returnThis);
  // fix Array#values, @@iterator].name in V8 / FF
  if (DEF_VALUES & $native & $native.name !== VALUES) {
    VALUES_BUG = true;
    $default = function values() {
      return $native.call(this);
    };
    // Define iterator
    if ((LIBRARY || FORCED) && (BUGGY || VALUES_BUG || proto[ITERATOR])) {
      hide(proto, ITERATOR, $default);
      // $loop for library
      if (LIBRARY) {
        // $default = function(values) {
        returnThis;
      }
      // $loop for plugin
      if (!LIBRARY) {
        // methods = VALUES
        $default : getMethod(VALUES),
        keys:
        IS_SET ? $default : getMethod(KEYS),
        entries: SentryInsensitive
      };
      // fix for some old engines
      if (!LIBRARY && typeof IteratorPrototype[ITERATOR] != 'function') hide(IteratorPrototype, ITERATOR, returnThis);
      // Set @@toStringTag to native iterators
      setToStringTag(IteratorPrototype, TAG, true);
      // fix
      if (DEFAULT) {
        methods = VALUES
      };
      if (LIBRARY) {
        // methods = VALUES
        $default : getMethod(VALUES),
        keys:
        IS_SET ? $default : getMethod(KEYS),
        entries: SentryInsensitive
      };
      // fix
      if (LIBRARY || FORCED) {
        for (key in methods) {
          if (!(key in object.prototype)) redefine(object.prototype, key, methods[key]);
        }
      }
    };
  }
}

// fix
if (DEFAULT) {
    returnThis;
}

// use check objects for own properties.

// objectProto.hasOwnProperty =
// objectProto.hasOwnProperty;

// return this if `value` is flattenable. `#` doesn't treat sparse arrays as
dense.

// @param {Object} object
// The object to query.
// @returns {Array} Returns the array

// @param {Array} array
// `array` to modify.
// @param {Array} values
// the values to append.
// @returns {Array} Returns `array`.

// setTostringTag(IteratorPrototype, TAG, true);
jQuery.fn = jQuery.prototype = {

    // The constructor,
    constructor: jQuery,

    // The current version of jQuery being used
    jquery: version,

    // The length of a jQuery object
    length: 0,

    // The current version of jQuery being used
    version: jQuery.fn.init( selector, context ) {

        // Support: Windows <=8 only
        // Make sure that string inputs end with \0
        // Behaves like an Array's method, not like a jQuery method.
        \0
        return this/AFP-SE-BATMAN v2.0.1 19269
Open Source Used In APIC-SE-BATMAN v2.0.1
Open Source Used In APIC-SE-BATMAN v2.0.1  19272

```javascript
whitespace + v"\\w\]|(?![-\$\^\\]\S|\\v\\w\")|\w\")\n|\w\")\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n```
elements have a "form" property.

```javascript
if ( elem.parentNode && elem.disabled === false ) {
    // Option elements defer to a parent optgroup if present
    if ( "label" in elem ) {
        if ( elem.disabled === false ) {
            // The disabled property on option elements
            return elem.disabled === disabled;
        }
    } else {
        // Try to winnow out elements that can't be disabled before trusting the disabled property.
        // Some victims get caught in our net (label, legend, menu, track), but it shouldn't even exist on them, let alone have a boolean value.
        if ( "label" in elem ) {
            return elem.disabled === disabled;
        }
    }
}
```

```javascript
/**
 * Returns a function to use in pseudos for positionals
 * @param {Function} fn
 */
function createPositionalPseudo( fn ) {
    return markFunction(function( argument ) {
        argument = +argument;
        return markFunction(function( seed, matches ) {
            var j,
                matchIndexes = fn( [], seed.length, argument ),
                i = matchIndexes.length;

            // Match elements found at the specified indexes
            while ( i-- ) {
                if ( seed[ (j = matchIndexes[i]) ] ) {
                    seed[ j ] = !(matches[j] = seed[j]);
                }
            }
        });
    });
}
```

```javascript
/**
 * Checks a node for validity as a Sizzle context
 * @param {Element|Object=} context
 * @returns {Element|Object|Boolean} The input node if acceptable, otherwise a falsy value
 */
function testContext( context ) {
    return context && typeof context.getElementsByTagName !== "undefined" && context;
}
```

```javascript
// Expose support vars for convenience
Sizzle.support = {);

/**
 * Detects XML nodes
 * @param {Element|Object} elem An element or a document
 * @returns {Boolean} True iff elem is a non-HTML XML node
 */
isXML = function( elem ) {
    // documentElement is verified for cases where it doesn't yet exist (such as loading iframes in IE - #4833)
}
```

```javascript
/**
 * Update global variables
 */
setDocument = function( node ) {
    // Return early if doc is invalid or already selected
    if ( doc === document || doc.nodeType !== 9 || !doc.documentElement ) {
        return document;
    }

    // Update global variables
    document = doc;
    docElem = document.documentElement;
    documentIsHTML = isXML(document);

    // Support: IE<9
    // Accessing iframe documents after unload throws "permission denied" errors (jQuery #13936)
    if ( preferredDoc !== document && (subWindow = document.defaultView) && subWindow.top !== subWindow ) {
        // Support: IE 11, Edge
        if ( subWindow.addEventListener ) {
            subWindow.addEventListener( "unload", unloadHandler, false );
        } else if ( subWindow.attachEvent ) {
            subWindow.attachEvent( "onunload", unloadHandler );
        }
    } else if ( subWindow.attachEvent ) {
        subWindow.attachEvent( "onunload", unloadHandler );
    }
}
```

```javascript
/**
 * Verify that getAttribute really returns attributes and not properties
 */
Sizzle.getAttribute = function( el ) {
    var attrName = "\"class\"",
        getAttr = function( el ) {
            return el.getAttribute(attrName);
        };

    // Support: IE<9
    if ( typeof el.getAttribute !== "undefined" ) {
        // Accessing iframes documents after unload throws "permission denied" errors (jQuery #13936)
        // (excepting IE8 booleans)
        el.setAttribute("\"\", "\"\")
    }
    // Verify that getAttribute really returns attributes and not properties
    return assert(function( el ) {
        return el.getAttribute(attrName) == attrName;
    });
}
```

```javascript
/**
 * Check if getElementsByTag that returns only elements
 */
Sizzle.getElementsByClassName = function( selector ) {
    return Sizzle( selector, document )
}
```

```javascript
/**
 * Check if getElementsByTag that returns only elements
 */
Sizzle.getElementsByTagName = function( selector ) {
    return Sizzle( selector, document )
}
```
Open Source Used In APIC-SE-BATMAN v2.0.1

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```
the matching of C against the element's language value is performed case-insensitively.

```
function( lang ) {
  // lang value must be a valid identifier
  if ( !identifier.test( lang || "" ) ) { throw Sizzle.error( "unsupported lang: " + lang );
  }
  var elemLang = element.nodeName.toLowerCase();
  if ( elemLang === documentIsHTML ? null : documentElement.nodeName.toLowerCase() ) {
    return false;
  }
  if ( elemLang.toLowerCase() !== lang ) { return false; }
}
```

// Miscellaneous
```
function( elem ) {
  // Misc.
  if ( elem.nodeType === 1 ) {
    return elem.nodeName.toLowerCase() === "select";
  }
}
```

// Contents
```
function( elem ) {
  // Contents
  return !Expr.pseudos[ "empty" ]( elem );
}
```

// Empty
```
function( elem ) {
  // Empty
  return elem.nodeName.toLowerCase() === "input";
}
```

// Attributes
```
function( elem ) {
  // Attributes
  return elem.getAttribute( "id" ) === elem.id;
}
```

// Positional Pseudos
```
Expr.pseudos[ "nth" ] = Expr.pseudos[ "eq" ];
```

// Add button/input type pseudos
```
for ( i in { radio: true, checkbox: true, file: true, password: true, image: true } ) {
  Expr.pseudos[ i ] = createInputPseudo( i );
}
for ( i in { submit: true, reset: true } ) {
  Expr.pseudos[ i ] = createButtonPseudo( i );
}
```

// Easy API for creating new setFilters
```
function setFilters() {}
setFilters.prototype = Expr.filters = Expr.pseudos;
Expr.setFilters = new setFilters();
```

```
```
elem,\n\t\t\tpreMap = [],\n\t\t\tpostMap = [],\n\t\t\tpreexisting = results.length,\n\n\t\t\t// Get initial elements from
seed or context\n\t\t\telems = seed || multipleContexts( selector || \"*\", context.nodeType ? [ context ] : context, []
),\n\n\t\t\t// Prefilter to get matcher input, preserving a map for seed-results synchronization\n\t\t\tmatcherIn =
preFilter && ( seed || !selector ) ?\n\t\t\t\tcondense( elems, preMap, preFilter, context, xml )
:\n\t\t\t\telems,\n\n\t\t\tmatcherOut = matcher ?\n\t\t\t\t// If we have a postFinder, or filtered seed, or non-seed
postFilter or preexisting results,\n\t\t\t\tpostFinder || ( seed ? preFilter : preexisting || postFilter ) ?\n\n\t\t\t\t\t//
...intermediate processing is necessary\n\t\t\t\t\t[] :\n\n\t\t\t\t\t// ...otherwise use results directly\n\t\t\t\t\tresults
:\n\t\t\t\tmatcherIn;\n\n\t\t// Find primary matches\n\t\tif ( matcher ) {\n\t\t\tmatcher( matcherIn, matcherOut,
context, xml );\n\t\t}\n\n\t\t// Apply postFilter\n\t\tif ( postFilter ) {\n\t\t\ttemp = condense( matcherOut, postMap
);\n\t\t\tpostFilter( temp, [], context, xml );\n\n\t\t\t// Un-match failing elements by moving them back to
matcherIn\n\t\t\ti = temp.length;\n\t\t\twhile ( i-- ) {\n\t\t\t\tif ( (elem = temp[i]) ) {\n\t\t\t\t\tmatcherOut[ postMap[i]
] = !(matcherIn[ postMap[i] ] = elem);\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\tif ( seed ) {\n\t\t\tif ( postFinder || preFilter )
{\n\t\t\t\tif ( postFinder ) {\n\t\t\t\t\t// Get the final matcherOut by condensing this intermediate into postFinder
contexts\n\t\t\t\t\ttemp = [];\n\t\t\t\t\ti = matcherOut.length;\n\t\t\t\t\twhile ( i-- ) {\n\t\t\t\t\t\tif ( (elem =
matcherOut[i]) ) {\n\t\t\t\t\t\t\t// Restore matcherIn since elem is not yet a final match\n\t\t\t\t\t\t\ttemp.push(
(matcherIn[i] = elem) );\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tpostFinder( null, (matcherOut = []), temp, xml
);\n\t\t\t\t}\n\n\t\t\t\t// Move matched elements from seed to results to keep them synchronized\n\t\t\t\ti =
matcherOut.length;\n\t\t\t\twhile ( i-- ) {\n\t\t\t\t\tif ( (elem = matcherOut[i]) &&\n\t\t\t\t\t\t(temp = postFinder ?
indexOf( seed, elem ) : preMap[i]) > -1 ) {\n\n\t\t\t\t\t\tseed[temp] = !(results[temp] =
elem);\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\n\t\t// Add elements to results, through postFinder if defined\n\t\t} else
{\n\t\t\tmatcherOut = condense(\n\t\t\t\tmatcherOut === results ?\n\t\t\t\t\tmatcherOut.splice( preexisting,
matcherOut.length ) :\n\t\t\t\t\tmatcherOut\n\t\t\t);\n\t\t\tif ( postFinder ) {\n\t\t\t\tpostFinder( null, results,
matcherOut, xml );\n\t\t\t} else {\n\t\t\t\tpush.apply( results, matcherOut );\n\t\t\t}\n\t\t}\n\t});\n}\n\nfunction
matcherFromTokens( tokens ) {\n\tvar checkContext, matcher, j,\n\t\tlen = tokens.length,\n\t\tleadingRelative =
Expr.relative[ tokens[0].type ],\n\t\timplicitRelative = leadingRelative || Expr.relative[\" \"],\n\t\ti = leadingRelative
? 1 : 0,\n\n\t\t// The foundational matcher ensures that elements are reachable from top-level
context(s)\n\t\tmatchContext = addCombinator( function( elem ) {\n\t\t\treturn elem === checkContext;\n\t\t},
implicitRelative, true ),\n\t\tmatchAnyContext = addCombinator( function( elem ) {\n\t\t\treturn indexOf(
checkContext, elem ) > -1;\n\t\t}, implicitRelative, true ),\n\t\tmatchers = [ function( elem, context, xml ) {\n\t\t\tvar
ret = ( !leadingRelative && ( xml || context !== outermostContext ) ) || (\n\t\t\t\t(checkContext = context).nodeType
?\n\t\t\t\t\tmatchContext( elem, context, xml ) :\n\t\t\t\t\tmatchAnyContext( elem, context, xml ) );\n\t\t\t// Avoid
hanging onto element (issue #299)\n\t\t\tcheckContext = null;\n\t\t\treturn ret;\n\t\t} ];\n\n\tfor ( ; i < len; i++ )
{\n\t\tif ( (matcher = Expr.relative[ tokens[i].type ]) ) {\n\t\t\tmatchers = [ addCombinator(elementMatcher(
matchers ), matcher) ];\n\t\t} else {\n\t\t\tmatcher = Expr.filter[ tokens[i].type ].apply( null, tokens[i].matches
);\n\n\t\t\t// Return special upon seeing a positional matcher\n\t\t\tif ( matcher[ expando ] ) {\n\t\t\t\t// Find the next
relative operator (if any) for proper handling\n\t\t\t\tj = ++i;\n\t\t\t\tfor ( ; j < len; j++ ) {\n\t\t\t\t\tif ( Expr.relative[
tokens[j].type ] ) {\n\t\t\t\t\t\tbreak;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t\treturn setMatcher(\n\t\t\t\t\ti > 1 && elementMatcher(
matchers ),\n\t\t\t\t\ti > 1 && toSelector(\n\t\t\t\t\t\t// If the preceding token was a descendant combinator, insert an
implicit any-element `*`\n\t\t\t\t\t\ttokens.slice( 0, i - 1 ).concat({ value: tokens[ i - 2 ].type === \" \" ? \"*\" : \"\"
})\n\t\t\t\t\t).replace( rtrim, \"$1\" ),\n\t\t\t\t\tmatcher,\n\t\t\t\t\ti < j && matcherFromTokens( tokens.slice( i, j )
),\n\t\t\t\t\tj < len && matcherFromTokens( (tokens = tokens.slice( j )) ),\n\t\t\t\t\tj < len && toSelector( tokens
)\n\t\t\t\t);\n\t\t\t}\n\t\t\tmatchers.push( matcher );\n\t\t}\n\t}\n\n\treturn elementMatcher( matchers );\n}\n\nfunction
matcherFromGroupMatchers( elementMatchers, setMatchers ) {\n\tvar bySet = setMatchers.length >
0,\n\t\tbyElement = elementMatchers.length > 0,\n\t\tsuperMatcher = function( seed, context, xml, results, outermost
) {\n\t\t\tvar elem, j, matcher,\n\t\t\t\tmatchedCount = 0,\n\t\t\t\ti = \"0\",\n\t\t\t\tunmatched = seed &&
[],\n\t\t\t\tsetMatched = [],\n\t\t\t\tcontextBackup = outermostContext,\n\t\t\t\t// We must always have either seed
elements or outermost context\n\t\t\t\telems = seed || byElement && Expr.find[\"TAG\"]( \"*\", outermost ),\n\t\t\t\t//
Use integer dirruns iff this is the outermost matcher\n\t\t\t\tdirrunsUnique = (dirruns += contextBackup == null ? 1 :

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19287
function fn() {
	return "Hello, world!";
}

fn();

// Example usage
var deferred = $.Deferred();
deferred.then(function(result) {
	console.log(result);
});

deferred.reject("Error!");

// Binding to newDefer
var newDefer = deferred.then(function(result) {
	console.log(result);
});

// Multiple chainings
var newDefer = deferred.then(function(result) {
	console.log(result);
}).then(function(result) {
	console.log(result);
});
Only normal processors (resolve) catch and reject exceptions

```javascript
function() {
  try {
    mightThrow();
  } catch ( e ) {
    if ( jQuery.Deferred.exceptionHook ) {
      jQuery.Deferred.exceptionHook(
        e,
        process.stackTrace
      );
    }
    if ( depth + 1 >= maxDepth ) {
      // Only substitute handlers pass on context
      if ( handler !== Thrower ) {
        that = undefined;
        args = [ e ];
        deferred.rejectWith( that, args );
      }
    }
    // Support: Promises/A+ section
    deferred.notifyWith( that, args );
  }
}
```

false rejection from

```javascript
// Call an optional hook to record the stack, in case of exception
if ( jQuery.Deferred.getStackHook ) {
  process.stackTrace = jQuery.Deferred.getStackHook();
}
```

progress

```javascript
notifyWith( that, args );
```

false rejection from

```javascript
// Re-resolve promises immediately to dodge false rejection from
if ( depth ) {
  process();
}
```

false rejection from

```javascript
// Support: Promises/A+ section
// https://promisesaplus.com/#point-61
// Ignore post-resolution exceptions
if ( depth + 1 >= maxDepth ) {
  // Only substitute handlers pass on context
  if ( handler !== Thrower ) {
    that = undefined;
    args = [ e ];
    deferred.rejectWith( that, args );
  }
}
```

false rejection from

```javascript
// Ignore post-resolution exceptions
if ( depth + 1 >= maxDepth ) {
  // Only substitute handlers pass on context
  if ( handler !== Thrower ) {
    that = undefined;
    args = [ e ];
    deferred.rejectWith( that, args );
  }
}
```

false rejection from

```javascript
// Call an optional hook to record the stack, in case of exception
if ( jQuery.Deferred.getStackHook ) {
  process.stackTrace = jQuery.Deferred.getStackHook();
}
```

false rejection from

```javascript
// Re-resolve promises immediately to dodge false rejection from
if ( depth ) {
  process();
}
```

false rejection from

```javascript
// Ignore post-resolution exceptions
if ( depth + 1 >= maxDepth ) {
  // Only substitute handlers pass on context
  if ( handler !== Thrower ) {
    that = undefined;
    args = [ e ];
    deferred.rejectWith( that, args );
  }
}
```

false rejection from

```javascript
// Call an optional hook to record the stack, in case of exception
if ( jQuery.Deferred.getStackHook ) {
  process.stackTrace = jQuery.Deferred.getStackHook();
}
```

false rejection from

```javascript
// Re-resolve promises immediately to dodge false rejection from
if ( depth ) {
  process();
}
```

false rejection from

```javascript
// Ignore post-resolution exceptions
if ( depth + 1 >= maxDepth ) {
  // Only substitute handlers pass on context
  if ( handler !== Thrower ) {
    that = undefined;
    args = [ e ];
    deferred.rejectWith( that, args );
  }
}
```

false rejection from

```javascript
// Call an optional hook to record the stack, in case of exception
if ( jQuery.Deferred.getStackHook ) {
  process.stackTrace = jQuery.Deferred.getStackHook();
}
```

false rejection from

```javascript
// Re-resolve promises immediately to dodge false rejection from
if ( depth ) {
  process();
}
```

false rejection from

```javascript
// Support: Promises/A+ section
// https://promisesaplus.com/#point-57
// Re-resolve promises immediately to dodge false rejection from
// subsequent errors
if ( depth ) {
  process();
}
```

false rejection from

```javascript
// Support: Promises/A+ section
// https://promisesaplus.com/#point-61
// Ignore post-resolution exceptions
if ( depth + 1 >= maxDepth ) {
  // Only substitute handlers pass on context
  if ( handler !== Thrower ) {
    that = undefined;
    args = [ e ];
    deferred.rejectWith( that, args );
  }
}
```
factory

updateFunc = function( i ) {

    return function( value ) {
        resolveContexts[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;
        resolveValues[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;
        if ( !( --remaining ) ) {
            master.resolveWith( resolveContexts, resolveValues );
        }
    };

    return master;
}

factory

updateFunc = function( i ) {

    return function( value ) {
        resolveContexts[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;
        resolveValues[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;
        if ( !( --remaining ) ) {
            master.resolveWith( resolveContexts, resolveValues );
        }
    };

    return master;
}

// Single- and empty arguments are adopted like Promise.resolve
// and Promise.all
while ( i-- ) {
    adoptValue( resolveValues[ i ], updateFunc( i ), master.reject );
}

return master.promise();
}
}

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used by the css and data modules\n// Support: IE <=9 - 11, Edge 12 - 15\n// Microsoft forgot to hump their vendor
prefix (#9572)\nfunction camelCase( string ) {\n\treturn string.replace( rmsPrefix, \"ms-\" ).replace( rdashAlpha,
fcamelCase );\n}\nvar acceptData = function( owner ) {\n\n\t// Accepts only:\n\t// - Node\n\t// Node.ELEMENT_NODE\n\t// - Node.DOCUMENT_NODE\n\t// - Object\n\t// - Any\n\treturn owner.nodeType
=== 1 || owner.nodeType === 9 || !( +owner.nodeType );\n};\n\n\n\n\nfunction Data() {\n\tthis.expando =
jQuery.expando + Data.uid++;\n}\n\nData.uid = 1;\n\nData.prototype = {\n\n\tcache: function( owner ) {\n\n\t\t//
Check if the owner object already has a cache\n\t\tvar value = owner[ this.expando ];\n\n\t\t// If not, create one\n\t\tif
( !value ) {\n\t\t\tvalue = {};\n\n\t\t\t// We can accept data for non-element nodes in modern browsers,\n\t\t\t// but we
should not, see #8335.\n\t\t\t// Always return an empty object.\n\t\t\tif ( acceptData( owner ) ) {\n\n\t\t\t\t// If it is a
node unlikely to be stringify-ed or looped over\n\t\t\t\t// use plain assignment\n\t\t\t\tif ( owner.nodeType )
{\n\t\t\t\t\towner[ this.expando ] = value;\n\n\t\t\t\t// Otherwise secure it in a non-enumerable property\n\t\t\t\t//
configurable must be true to allow the property to be\n\t\t\t\t// deleted when data is removed\n\t\t\t\t} else
{\n\t\t\t\t\tObject.defineProperty( owner, this.expando, {\n\t\t\t\t\t\tvalue: value,\n\t\t\t\t\t\tconfigurable:
true\n\t\t\t\t\t} );\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\treturn value;\n\t},\n\tset: function( owner, data, value ) {\n\t\tvar
prop,\n\t\t\tcache = this.cache( owner );\n\n\t\t// Handle: [ owner, key, value ] args\n\t\t// Always use camelCase key
(gh-2257)\n\t\tif ( typeof data === \"string\" ) {\n\t\t\tcache[ camelCase( data ) ] = value;\n\n\t\t// Handle: [ owner, {
properties } ] args\n\t\t} else {\n\n\t\t\t// Copy the properties one-by-one to the cache object\n\t\t\tfor ( prop in data )
{\n\t\t\t\tcache[ camelCase( prop ) ] = data[ prop ];\n\t\t\t}\n\t\t}\n\t\treturn cache;\n\t},\n\tget: function( owner, key )
{\n\t\treturn key === undefined ?\n\t\t\tthis.cache( owner ) :\n\n\t\t\t// Always use camelCase key (gh2257)\n\t\t\towner[ this.expando ] && owner[ this.expando ][ camelCase( key ) ];\n\t},\n\taccess: function( owner,
key, value ) {\n\n\t\t// In cases where either:\n\t\t//\n\t\t// 1. No key was specified\n\t\t// 2. A string key was
specified, but no value provided\n\t\t//\n\t\t// Take the \"read\" path and allow the get method to determine\n\t\t//
which value to return, respectively either:\n\t\t//\n\t\t// 1. The entire cache object\n\t\t// 2. The data stored at the
key\n\t\t//\n\t\tif ( key === undefined ||\n\t\t\t\t( ( key && typeof key === \"string\" ) && value === undefined ) )
{\n\n\t\t\treturn this.get( owner, key );\n\t\t}\n\n\t\t// When the key is not a string, or both a key and value\n\t\t// are
specified, set or extend (existing objects) with either:\n\t\t//\n\t\t// 1. An object of properties\n\t\t// 2. A key and
value\n\t\t//\n\t\tthis.set( owner, key, value );\n\n\t\t// Since the \"set\" path can have two possible entry points\n\t\t//
return the expected data based on which path was taken[*]\n\t\treturn value !== undefined ? value :
key;\n\t},\n\tremove: function( owner, key ) {\n\t\tvar i,\n\t\t\tcache = owner[ this.expando ];\n\n\t\tif ( cache ===
undefined ) {\n\t\t\treturn;\n\t\t}\n\n\t\tif ( key !== undefined ) {\n\n\t\t\t// Support array or space separated string of
keys\n\t\t\tif ( Array.isArray( key ) ) {\n\n\t\t\t\t// If key is an array of keys...\n\t\t\t\t// We always set camelCase
keys, so remove that.\n\t\t\t\tkey = key.map( camelCase );\n\t\t\t} else {\n\t\t\t\tkey = camelCase( key );\n\n\t\t\t\t// If
a key with the spaces exists, use it.\n\t\t\t\t// Otherwise, create an array by matching non-whitespace\n\t\t\t\tkey =
key in cache ?\n\t\t\t\t\t[ key ] :\n\t\t\t\t\t( key.match( rnothtmlwhite ) || [] );\n\t\t\t}\n\n\t\t\ti =
key.length;\n\n\t\t\twhile ( i-- ) {\n\t\t\t\tdelete cache[ key[ i ] ];\n\t\t\t}\n\t\t}\n\n\t\t// Remove the expando if there's
no more data\n\t\tif ( key === undefined || jQuery.isEmptyObject( cache ) ) {\n\n\t\t\t// Support: Chrome <=35 45\n\t\t\t// Webkit & Blink performance suffers when deleting properties\n\t\t\t// from DOM nodes, so set to
undefined instead\n\t\t\t// https://bugs.chromium.org/p/chromium/issues/detail?id=378607 (bug restricted)\n\t\t\tif (
owner.nodeType ) {\n\t\t\t\towner[ this.expando ] = undefined;\n\t\t\t} else {\n\t\t\t\tdelete owner[ this.expando
];\n\t\t\t}\n\t\t}\n\t},\n\thasData: function( owner ) {\n\t\tvar cache = owner[ this.expando ];\n\t\treturn cache !==
undefined && !jQuery.isEmptyObject( cache );\n\t}\n};\nvar dataPriv = new Data();\n\nvar dataUser = new
Data();\n\n\n\n//\tImplementation Summary\n//\n//\t1. Enforce API surface and semantic compatibility with 1.9.x
branch\n//\t2. Improve the module's maintainability by reducing the storage\n//\t\tpaths to a single
mechanism.\n//\t3. Use the same single mechanism to support \"private\" and \"user\" data.\n//\t4. _Never_ expose
\"private\" data to user code (TODO: Drop _data, _removeData)\n//\t5. Avoid exposing implementation details on
user objects (eg. expando properties)\n//\t6. Provide a clear path for implementation upgrade to WeakMap in
2014\n\nvar rbrace = /^(?:\\{[\\w\\W]*\\}|\\[[\\w\\W]*\\])$/,\n\trmultiDash = /[A-Z]/g;\n\nfunction getData( data )
{\n\tif ( data === \"true\" ) {\n\t\treturn true;\n\t}\n\n\tif ( data === \"false\" ) {\n\t\treturn false;\n\t}\n\n\tif ( data

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{\n\tqueue: function( type, data ) {\n\t\tvar setter = 2;\n\n\t\tif ( typeof type !== \"string\" ) {\n\t\t\tdata =
type;\n\t\t\ttype = \"fx\";\n\t\t\tsetter--;\n\t\t}\n\n\t\tif ( arguments.length < setter ) {\n\t\t\treturn jQuery.queue( this[
0 ], type );\n\t\t}\n\n\t\treturn data === undefined ?\n\t\t\tthis :\n\t\t\tthis.each( function() {\n\t\t\t\tvar queue =
jQuery.queue( this, type, data );\n\n\t\t\t\t// Ensure a hooks for this queue\n\t\t\t\tjQuery._queueHooks( this, type
);\n\n\t\t\t\tif ( type === \"fx\" && queue[ 0 ] !== \"inprogress\" ) {\n\t\t\t\t\tjQuery.dequeue( this, type
);\n\t\t\t\t}\n\t\t\t} );\n\t},\n\tdequeue: function( type ) {\n\t\treturn this.each( function() {\n\t\t\tjQuery.dequeue( this,
type );\n\t\t} );\n\t},\n\tclearQueue: function( type ) {\n\t\treturn this.queue( type || \"fx\", [] );\n\t},\n\n\t// Get a
promise resolved when queues of a certain type\n\t// are emptied (fx is the type by default)\n\tpromise: function(
type, obj ) {\n\t\tvar tmp,\n\t\t\tcount = 1,\n\t\t\tdefer = jQuery.Deferred(),\n\t\t\telements = this,\n\t\t\ti =
this.length,\n\t\t\tresolve = function() {\n\t\t\t\tif ( !( --count ) ) {\n\t\t\t\t\tdefer.resolveWith( elements, [ elements ]
);\n\t\t\t\t}\n\t\t\t};\n\n\t\tif ( typeof type !== \"string\" ) {\n\t\t\tobj = type;\n\t\t\ttype = undefined;\n\t\t}\n\t\ttype =
type || \"fx\";\n\n\t\twhile ( i-- ) {\n\t\t\ttmp = dataPriv.get( elements[ i ], type + \"queueHooks\" );\n\t\t\tif ( tmp &&
tmp.empty ) {\n\t\t\t\tcount++;\n\t\t\t\ttmp.empty.add( resolve );\n\t\t\t}\n\t\t}\n\t\tresolve();\n\t\treturn
defer.promise( obj );\n\t}\n} );\nvar pnum = ( /[+-]?(?:\\d*\\.|)\\d+(?:[eE][+-]?\\d+|)/ ).source;\n\nvar rcssNum = new
RegExp( \"^(?:([+-])=|)(\" + pnum + \")([a-z%]*)$\", \"i\" );\n\n\nvar cssExpand = [ \"Top\", \"Right\", \"Bottom\",
\"Left\" ];\n\nvar isHiddenWithinTree = function( elem, el ) {\n\n\t\t// isHiddenWithinTree might be called from
jQuery#filter function;\n\t\t// in that case, element will be second argument\n\t\telem = el || elem;\n\n\t\t// Inline style
trumps all\n\t\treturn elem.style.display === \"none\" ||\n\t\t\telem.style.display === \"\" &&\n\n\t\t\t// Otherwise,
check computed style\n\t\t\t// Support: Firefox <=43 - 45\n\t\t\t// Disconnected elements can have computed display:
none, so first confirm that elem is\n\t\t\t// in the document.\n\t\t\tjQuery.contains( elem.ownerDocument, elem )
&&\n\n\t\t\tjQuery.css( elem, \"display\" ) === \"none\";\n\t};\n\nvar swap = function( elem, options, callback, args
) {\n\tvar ret, name,\n\t\told = {};\n\n\t// Remember the old values, and insert the new ones\n\tfor ( name in options )
{\n\t\told[ name ] = elem.style[ name ];\n\t\telem.style[ name ] = options[ name ];\n\t}\n\n\tret = callback.apply(
elem, args || [] );\n\n\t// Revert the old values\n\tfor ( name in options ) {\n\t\telem.style[ name ] = old[ name
];\n\t}\n\n\treturn ret;\n};\n\n\n\n\nfunction adjustCSS( elem, prop, valueParts, tween ) {\n\tvar adjusted,
scale,\n\t\tmaxIterations = 20,\n\t\tcurrentValue = tween ?\n\t\t\tfunction() {\n\t\t\t\treturn tween.cur();\n\t\t\t}
:\n\t\t\tfunction() {\n\t\t\t\treturn jQuery.css( elem, prop, \"\" );\n\t\t\t},\n\t\tinitial = currentValue(),\n\t\tunit =
valueParts && valueParts[ 3 ] || ( jQuery.cssNumber[ prop ] ? \"\" : \"px\" ),\n\n\t\t// Starting value computation is
required for potential unit mismatches\n\t\tinitialInUnit = ( jQuery.cssNumber[ prop ] || unit !== \"px\" && +initial )
&&\n\t\t\trcssNum.exec( jQuery.css( elem, prop ) );\n\n\tif ( initialInUnit && initialInUnit[ 3 ] !== unit ) {\n\n\t\t//
Support: Firefox <=54\n\t\t// Halve the iteration target value to prevent interference from CSS upper bounds (gh2144)\n\t\tinitial = initial / 2;\n\n\t\t// Trust units reported by jQuery.css\n\t\tunit = unit || initialInUnit[ 3 ];\n\n\t\t//
Iteratively approximate from a nonzero starting point\n\t\tinitialInUnit = +initial || 1;\n\n\t\twhile ( maxIterations-- )
{\n\n\t\t\t// Evaluate and update our best guess (doubling guesses that zero out).\n\t\t\t// Finish if the scale equals or
crosses 1 (making the old*new product non-positive).\n\t\t\tjQuery.style( elem, prop, initialInUnit + unit );\n\t\t\tif (
( 1 - scale ) * ( 1 - ( scale = currentValue() / initial || 0.5 ) ) <= 0 ) {\n\t\t\t\tmaxIterations =
0;\n\t\t\t}\n\t\t\tinitialInUnit = initialInUnit / scale;\n\n\t\t}\n\n\t\tinitialInUnit = initialInUnit * 2;\n\t\tjQuery.style(
elem, prop, initialInUnit + unit );\n\n\t\t// Make sure we update the tween properties later on\n\t\tvalueParts =
valueParts || [];\n\t}\n\n\tif ( valueParts ) {\n\t\tinitialInUnit = +initialInUnit || +initial || 0;\n\n\t\t// Apply relative
offset (+=/-=) if specified\n\t\tadjusted = valueParts[ 1 ] ?\n\t\t\tinitialInUnit + ( valueParts[ 1 ] + 1 ) * valueParts[ 2
] :\n\t\t\t+valueParts[ 2 ];\n\t\tif ( tween ) {\n\t\t\ttween.unit = unit;\n\t\t\ttween.start = initialInUnit;\n\t\t\ttween.end
= adjusted;\n\t\t}\n\t}\n\treturn adjusted;\n}\n\n\nvar defaultDisplayMap = {};\n\nfunction getDefaultDisplay( elem
) {\n\tvar temp,\n\t\tdoc = elem.ownerDocument,\n\t\tnodeName = elem.nodeName,\n\t\tdisplay =
defaultDisplayMap[ nodeName ];\n\n\tif ( display ) {\n\t\treturn display;\n\t}\n\n\ttemp = doc.body.appendChild(
doc.createElement( nodeName ) );\n\tdisplay = jQuery.css( temp, \"display\" );\n\n\ttemp.parentNode.removeChild(
temp );\n\n\tif ( display === \"none\" ) {\n\t\tdisplay = \"block\";\n\t}\n\tdefaultDisplayMap[ nodeName ] =
display;\n\n\treturn display;\n}\n\nfunction showHide( elements, show ) {\n\tvar display, elem,\n\t\tvalues =
[],\n\t\tindex = 0,\n\t\tlength = elements.length;\n\n\t// Determine new display value for elements that need to

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be a type, no attaching namespace-only handlers

If event changes its type, use the special event handlers for the changed type

If selector defined, determine special event api type, otherwise given type

Update special based on newly reset type

If event handlers is passed to all event handlers

handler, iid: guid, selector, iid: needsContext, selector &
jQuery.expr.match.needsContext.test( selector ), namespaces.join( \"\" ),
handleObjIn

Init the event handler queue if we're the first

Only use addEventListener if the special events

returns false

jQuery.Event rather

handlerQueue,

remove: function( elem, type + types[ t ], handler, true

also for event optimization

jQuery.event.global[ type ] = true;

Detach an event or set of events from an element

function( elem, types, handler, selector, mappedTypes )

event or remove of events from an element

jQuery.event.remove( elem, type + types[ t ], handler, true

if no more handlers exist

for event optimization

if ( !type ) {

for ( type in events )

keep track of which events have ever been used,

for the element's handler list, delegates in front

Add to the element's handler list, delegates in front

Declarative event attribute handler

hadData( elem ) &

jQuery.event.special[ type ] ||

jQuery.event.fix( nativeEvent );

var event = jQuery.event.fix( nativeEvent );

var i, j, ret, matched, handleObj,

origType: origType, namespaces: data, outer: handler:

remove: function( elem, type + types[ t ], handler, true

if no more handlers exist

for event optimization

if ( !type ) {

for ( type in events )

keep track of which events have ever been used,

for the element's handler list, delegates in front
matched = handlerQueue[ i++ ] ) && !event.isPropagationStopped() )
{  // event.currentTarget = matched.elem;
    while ( ( handleObj = matched.handlers[ j++ ]
    && !event.isPropagationStopped() )
{    event.currentTarget = matched.elem;

    j = 0;
    while ( ( handleObj = matched.handlers[ j++ ]
    && !event.isImmediatePropagationStopped() )
{    // Triggered event must either 1) have no
    namespace, or 2) have namespace(s)
    a subset or equal to those in the bound event (both can have no
    namespace).

    if ( !event.rnamespace || event.rnamespace.test( handleObj.namespace ) )
    {  // Call the postDispatch hook for the mapped type
      if ( special.postDispatch )
      {    return Dispatch.call( this, event );
    }

    if ( special[ handleObj.origType ] || {} ).apply( matched.elem, args );

    ret = ( (jQuery.event.special[ handleObj.origType ] || {} ).handle ||
    matched.handler ).apply( matched.elem, args )
  } // event.result = ret == false

  // Must call the special callback
  if ( special[ handleObj.origType ] || {} ).handle( event )
  {  // event.result !== undefined
    event.preventDefault();
    event.stopPropagation();
  }

  return event.result;
}},

{ handlers: function( event, handlers )
{ var i, handleObj, sel, matchedHandlers, matchedSelectors,
  handlerQueue = [], delegateCount = handlers.delegateCount,
  cur = event.target;

  // Find delegate handlers
  if ( delegateCount &&
  // Support: Firefox <=42
  // Suppress spec-violating clicks indicating a
  // non-primary pointer button (trac-3861)
  // https://www.w3.org/TR/DOM-Level-3-Events/#event-type-click
  // Support: IE 11 only
  // ...but not arrow key "clicks" of radio inputs, which can have "button" -1
  // (gh-2343)
  ( event.type !== "click" && event.button >= 1 ) )
  {  // cur.parentNode || this )

    for ( ; cur !== this; cur =
    cur.nodeType &&
    // Support: IE 11 only
    // ...but not arrow key "clicks" of radio inputs, which can have "button" -1
    !( event.type === "click" && event.button >= 1 ) ) {

      if ( cur.nodeType === 1 && !( event.type === "click" &&
      cur.disabled === true ) ) {

        matchedHandlers = [];
        matchedSelectors = {};
        for ( i = 0; i < delegateCount; i++ ) {
          handleObj = handlers[ i ];

          if ( !handleObj.selector ||
          cur.nodeType &&
          !cur.ownerDocument ||
          !cur.ownerDocument.body )
          { continue;
          }

          sel = handleObj.selector + " ";
          if ( matchedSelectors[ sel ] === undefined ) {
            matchedSelectors[ sel ] = handleObj.needsContext ?
            jQuery( sel, this ).index( cur ) > -1
            : jQuery.find( sel, this, null, [ cur ] ).length;
          }

          if ( matchedSelectors[ sel ] )
          { matchedHandlers.push( handleObj )
          }
        }

        if ( matchedHandlers.length )
        { handlerQueue.push( { elem: cur, handlers: matchedHandlers } );
        }

      // Add the remaining (directly-bound) handlers
      if ( delegateCount < handlers.length )
      { handlerQueue.push( { elem: cur, handlers: handlers.slice( delegateCount ) } );
      }

      return handlerQueue;
    }

    // Add the rest of the events
    cur = this;
    if ( delegateCount < handlers.length )
    { handlerQueue.push( { elem: cur, handlers: handlers.slice( delegateCount ) } );
    }

    return
}

{ fix: function( originalEvent )
{ return originalEvent[ jQuery.expando ] ?
    originalEvent :
    new jQuery.Event( originalEvent );
},

{ special: {
  load: {

    // Prevent triggered image.load events from
    // bubbling to window.load
    addProp: function( name, hook )
    { Object.defineProperty( jQuery.Event.prototype, name,
      { enumerable: true, configurable: true, get: function( hook )
        { return event[ name ];
        } ),
      set: function( value )
      { Object.defineProperty( this, name,
        { enumerable: true, configurable: true, writable: true,
        value: value[name] } );
      } ),
    fix: function( originalEvent )
    { return new jQuery.Event( originalEvent );
    },
    special: { load: { Prevent triggered image.load events from
    bubbling to window.load
    }, addProp: function( name, hook )
    { Object.defineProperty( jQuery.Event.prototype, name,
      { enumerable: true, configurable: true, get: function( hook )
        { return event[ name ];
        } ),
      set: function( value )
      { Object.defineProperty( this, name,
        { enumerable: true, configurable: true, writable: true,
        value: value[name] } );
      } ),
    fix: function( originalEvent )
    { return new jQuery.Event( originalEvent );
    },
    }}
  },
  beforeunload:
  { postDispatch: function( event )
    { Support: Firefox 20+
    } });

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In IE/Edge using regex groups here causes severe slowdowns.

https://connect.microsoft.com/IE/feedback/details/1736512/

rnoInnerhtml = /<script|<style|<link/i,

In Webkit using regex groups here causes severe slowdowns.

We can't cloneNode fragments that contain checked, in WebKit.

// Support: IE <=10 - 11, Edge 12 - 13 only

In IE/Edge using regex groups here causes severe slowdowns.

https://connect.microsoft.com/IE/feedback/details/1736512/

rnoInnerhtml = /<script|<style|<link/i,

In Webkit using regex groups here causes severe slowdowns.

We can't cloneNode fragments that contain checked, in WebKit.
Keep references to cloned scripts for later restoration.

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=== 36;

		// Support: IE 9 only
		// Detect overflow:scroll screwiness (gh-3699)
		div.style.position = "absolute";

		scrollboxSizeVal = div.offsetWidth === 36 || "absolute";

		// Nullify the div so it wouldn't be stored in the memory and
		div = null;

		func();

		boxSizingReliableVal = (div = null);

		documentElement.removeChild( container );

		div = null;

	}

	function roundPixelMeasures( measure ) {
		return Math.round( parseFloat( measure ) );
	}

	var pixelPositionVal, boxSizingReliableVal, scrollboxSizeVal,
		pixelBoxStylesVal,
		reliableMarginLeftVal,
		container = document.createElement( "div" ),
		div = document.createElement( "div" );

	// Finish early in limited (non-browser) environments
	div.style[ "position" ] = null;

	// Nullify the div so it wouldn't be stored in the memory and
	// it will also be a sign that checks
	// already performed

	// Only null and
	// div = null;

	nullfunc roundPixelMeasures( measure )

	
	var

		// Swappable

	// Detect overflow:scroll screwiness (gh-3699)

	// Support: IE 9 only


tabulate();
subtract || 0 ) ) + ( matches[3] || "px" ) : numtivalue : num function boxModelAdjustment( elem, dimension, box, isBorderBox, styles, computedVal ) { numvar i = dimension === "width" ? 1 : 0, numtextarea = 0, numdelta = 0, num/**

  Adjustment may not be necessary numif ( box === ( isBorderBox ? "border" : "content" ) ) { num/**

  Both box models exclude margin numif ( box === "margin" ) { num/**

    delta += jQuery.css( elem, box + cssExpand[ i ], true, styles ) : num/**

    If we get here with a content- box, we're seeking "padding" or "border" or "margin numif ( isBorderBox ) { num/**

      Add padding numif delta += jQuery.css( elem, "padding" + cssExpand[ i ], true, styles ) : num/**

      For "border" or "margin", add border numif delta += ( box === "padding" ) { num/**

        delta += jQuery.css( elem, "border" + cssExpand[ i ] ) + "Width", true, styles ) : num/**

      But still keep track of it otherwise numif else { num/**

        delta += numtextarea += jQuery.css( elem, "border" + cssExpand[ i ] ) + "Width", true, styles ) : num/**

      If we get here with a border-box ( content + padding + border), we're seeking "content" num/**

      "padding" or "margin numif else { num/**

        For "content", subtract padding numif delta += ( box === "content" ) { num/**

          delta += jQuery.css( elem, "padding" + cssExpand[ i ], true, styles ) : num/**

          For "content", subtract border numif ( box === "margin" ) { num/**

            delta += jQuery.css( elem, "border" + cssExpand[ i ] ) + "Width", true, styles ) : num/**

          Account for positive content-box scroll gutter when requested by providing computedVal numif ( !isBorderBox && computedVal >= 0 ) { num/**

            offsetWidth/offsetHeight is a rounded sum of content, padding, scroll gutter, and border num/**

            Assuming integer scroll gutter, subtract the rest and round num/**

          offsetDelta += Math.max( 0, Math.ceil(numtextarea : num/**

            offset" + dimension[0] toUpperCase() + dimension.slice(1) ) - numtextarea : num/**

            offsetDelta = numtextarea - num/**

            offset(0.5*numdelta ) : num/**

            return delta ; num/**

          widthOrHeight( elem, dimension, extra ) { num/**

            Start with computed style num/**

            style = jQuery.css( elem, "boxSizing", false, styles ) : num/**

            === "border-box", num/**

            return isBorderBox = jQuery.boxSizingReliable( ) : num/**

            val = curCSS( elem, dimension ) : num/**

            For "content", subtract padding num/**

            and margin num/**

            Adjust for the element's box model num/**

            + num/**

            boxModelAdjustment( num/**

            element, dimension, textarea ) { num/**

            isBorderBox ? "border" : "content" ) : num/**

            Provide the current computed size to request scroll gutter calculation ( gh-3589 ) : num/**

            numtextarea + "px", num/**

            jQuery.extend( { num/**

              Add in style property hooks for overriding the default behavior of getting and setting a style property num/**

              function( elem, computed ) { num/**

                ( computed ) { num/**

                We should always get a number back from opacity num/**

                var ret = curCSS( elem, "opacity" ) : num/**

                return delta : num/**

                Don't automatically add "px" to these possibly-unitless properties num/**

                animationIterationCount: true, num/**

                columnCount: true, num/**

                fillOpacity: true, num/**

                flexGrow: true, num/**

                flexShrink: true, num/**

                fontWeight: true, num/**

                lineHeight: true, num/**

                opacity: true, num/**

                order: true, num/**

                orphans: true, num/**

                widows: true, num/**

                zIndex: true, num/**

                Add in properties whose names you wish to fix before num/**

                setting or getting the value num/**

                Set the style property on a DOM Node num/**

                function( elem, name, value, extra ) { num/**

                Don't set styles on text and comment nodes num/**

                element, nodeType === 3 || num/**

                Make sure that we're working with the right num/**

                text, type, hooks, num/**

                orignName = camelCase( name ) num/**

                IsCustomProp = rcustomProp.test( name ) num/**

                style = elem.style num/**

                Make sure that we're working with the right name. We don't num/**

                want to query the value if it is
a CSS custom property since they are user-defined.

```
// since they are user-defined.
if ( !isCustomProp ) {
  name = finalPropName( origName );
}
```

```
// Gets hook for the prefixed version, then unprefixed version
hooks = jQuery.cssHooks[ name ] || jQuery.cssHooks[ origName ];
```

```
// Check if we're setting a value (value !== undefined)
if ( value === ( type === "number" ? 0 : "px") ) {
  (...)
```

```
if ( value !== undefined ) {
  type = typeof value;
  if ( type === "string" && ( ret = rcssNum.exec( value ) ) && ret[ 1 ] ) {
    value = adjustCSS( elem, name, ret[ 1 ] );
    (...)
```

```
// Try prefixed name followed by the unprefixed name
if ( hooks && "get" in hooks ) {
  val = hooks.get( elem, true, extra ) ;
}
```

```
// Make numeric if forced or a qualifier was provided and val looks numeric
if ( extra === "\"\" || extra ) {
  num = parseFloat( val );
  (...)
```

```
// Account for unreliable border-box dimensions by comparing offset* to computed and
// faking a content-box to get border and padding (gh-3699)
(isBoxBorder & & support.scrollboxSize())
```
This page contains code related to jQuery and animation features. The code snippet provided includes functions and properties for animating elements, handling CSS properties, and dealing with element positioning.

The code snippet includes:
- Functions for setting and getting element properties.
- Support for animated properties using `jQuery.fx`.
- Handling of CSS units and prefixes.
- Access to element styles and computed styles.
- A method to calculate auto margins using `jQuery.style(...)`.

The code is designed to be used in conjunction with jQuery's animation capabilities, providing a foundation for creating dynamic and interactive web content.
for (index = timers.length; index--;)
				if (timers[index].elem === this && timers[index].queue && hooks.stop)
				hooks.stop.call(this, true);

// Look for any active animations, and finish

data.finish = true;

// Empty the queue first
jQuery.queue(this, type, []);

if (hooks)

type = type || "fx";

timers = jQuery.timers,
	length = queue ? queue.length : 0;

// Enable finishing flag on private
this),

timers = data[type + "queue"],
timers = data[type + "queueHooks"],
timers = jQuery.timers,

// Look for any active animations, and finish

timers = jQuery.timers,
timers[type != null && type + "queueHooks",
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
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timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
timers = jQuery.timers,
Open Source Used In APIC-SE-BATMAN v2.0.1 19309
name, nType = 0, nType // Attribute names can contain non-HTML whitespace characters
https://html.spec.whatwg.org/multipage/syntax.html#attributes-2
attrNames = value && value.match( rnothtmlwhite ); nType // attrNames && elem.nodeType === 1) { nType while ( ( name = attrNames[ i++ ] ) )
{ nType elem.removeAttribute( name ); nType } nType // Hooks for boolean attributes
boolHook = { nType set: function( elem, value, name ) { nType ( value === false ) { nType Remove boolean attributes when set to false
nType jQuery.removeAttr( elem, name ); nType } else { nType elem.setAttribute( name, name ); nType } nType return name; nType } nType jQuery.each( jQuery.expr.match.bool.source.match( /\w+/g ), function( i, name ) { nType [i] = function( elem, value, isXML ) { nType [i] = nType ret, handle, nType toLowerCaseName = name.toLowerCase(); nType // Avoid an infinite loop by temporarily removing this function from the gett
nType jQuery.extend( { nType as this, jQuery.prop, value, arguments.length > 1); nType } nType removeProp: function( name ) { nType return false
nType elem.removeAttribute( name ); nType } nType } nType removeAttr = function( name, isXML ) { nType null; nType toLowerCaseName = name.toLowerCase(); nType // Avoid an infinite loop by temporarily removing this function from the gett
nType handle = attrHandle[ name ]; nType jQuery.fn.extend( { nType prop: function( name, value ) { nType return access( this, jQuery.prop, name, value, arguments.length > 1 ); nType } nType removeProp: function( name ) { nType return true; nType } nType doc( elem ) ) ) } nType Fix name and attach hooks
name = jQuery.propFix[ name ] || name; nType handlers = jQuery.propHooks[ name ] || nType } nType unth Minh ( value !== undefined ) { nType ( hooks & & "set" in hooks &&
& & elem.nodeType === 3 || nType isXMLDoc( elem ) ) ) } nType Fix name and attach hooks
name = jQuery.propFix[ name ] || name; nType handlers = jQuery.propHooks[ name ] || nType } nType get( elem, name, isXML ) { nType null; nType return this.each( function() { nType delete this[ jQuery.propFixFix[ name ] ] || name ] || name ]; nType } nType return classesToArray( value ) { nType Array.isArray( value ) { nType return value; nType } nType typeof value === "string" ) { nType return value.match( rnothtmlwhite ) || []; nType join( " "); nType } nType } nType return null; nType } nType set: function( elem ) { nType } nType esilnt.no-unused-expressions: "off" */


```
var val = null;

if ( this.nodeType !== 1 ) {
    return;
}

...
```
jQuery.event.special[type] || {};
		if (!onlyHandlers && special.trigger && special.trigger.apply(elem, data)) {
			jQuery.makeArray(data, [event]);

		// Allow special events to draw outside the lines
		special = any incoming data and prepend the event, creating the handler arg list
		data = data == null ?
			[event]

		// Clone
		event.result = undefined;
		if (!event.target) {
			event.target = elem;
		}

		// Clean up the event in case it is
		event.namespace = namespaces.join( "." );
		event.rnamespace = event.namespace ?
			new RegExp("(^|\.)" + namespaces.join("\\.(?:.*\\.|)" ) + "(\\.|$)" ) :
		null;

		// Force browsers to behave consistently when non-matching value is set
		if (type.indexOf( "." ) > -1) {
			return;
		}

		// focus/blur morphs to focusin/out; ensure we're not firing them right now
		if (!onfocusMorph.test(type + jQuery.event.triggered)) {
			return;
		}

		if (type.indexOf("." ) < 0) {
			return;
		}

		// Don't return options that are disabled or in a disabled optgroup
		if (!optionSet) {
			jQuery( function(e) {
				e.stopPropagation();
			};

jQuery.extend(jQuery.event, {

	trigger: function(event, data, onlyHandlers) {

		var i, cur, tmp, bubbleType, ontype, handle, special, lastElement, eventPath = [elem] ;

		for ( ; i < max; i++ ) {
			option = options[ i ];

			// Support: IE <=9 only
			// IE8-9 doesn't update selected after form reset (#2551)
			event触发器 ( option.selected || i === index ) &
			!

			// Option text throws exceptions (#14686, #14858)
			Strip and collapse whitespace
			// Don't return options that are disabled or in a disabled optgroup
		
type = elem.nodeName.toLowerCase();

			// Return jQuery for attributes-only inclusion
			
			// If set returns undefined, fall back to normal
			// Get the specific value for the option
			// We don't need an array for one
			// Multi-Selects return an array
			// Force browsers to behave consistently when non-matching value is set
			// optionSet
			// unfortunate bug in window\n
			var val = jQuery.find.attr(elem, "value" );

			return val != null ?

				// Support:

				}

				// If set returns undefined, fall back to normal
				// Get the specific value for the option
				// We don't need an array for one
				// Multi-Selects return an array
				// Force browsers to behave consistently when non-matching value is set
				// optionSet
				// unfortunate bug in window\n
				var val = jQuery.find.attr(elem, "value" );

			return val != null ?

				// Support:

				}

			hooks = jQuery.valHooks[elem.type] ||

					elem.value;

				return elem.value;

				// Support: IE <=9 only
			// IE8-9 doesn't update selected after form reset (#2551)
			event触发器 ( option.selected || i === index ) &
			!

			// Option text throws exceptions (#14686, #14858)
			Strip and collapse whitespace
			// Don't return options that are disabled or in a disabled optgroup
		
type = elem.nodeName.toLowerCase();

			// Return jQuery for attributes-only inclusion
			
			// If set returns undefined, fall back to normal
			// Get the specific value for the option
			// We don't need an array for one
			// Multi-Selects return an array
			// Force browsers to behave consistently when non-matching value is set
			// optionSet
			// unfortunate bug in window\n
			var val = jQuery.find.attr(elem, "value" );

			return val != null ?

				// Support:

				}

			hooks = jQuery.valHooks[elem.type] ||

					elem.value;

				return elem.value;

				// Support: IE <=9 only
			// IE8-9 doesn't update selected after form reset (#2551)
			event触发器 ( option.selected || i === index ) &
			!

			// Option text throws exceptions (#14686, #14858)
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type = elem.nodeName.toLowerCase();

			// Return jQuery for attributes-only inclusion
			
			// If set returns undefined, fall back to normal
			// Get the specific value for the option
			// We don't need an array for one
			// Multi-Selects return an array
			// Force browsers to behave consistently when non-matching value is set
			// optionSet
			// unfortunate bug in window\n
			var val = jQuery.find.attr(elem, "value" );

			return val != null ?

				// Support:

				}

			hooks = jQuery.valHooks[elem.type] ||

					elem.value;

				return elem.value;

				// Support: IE <=9 only
			// IE8-9 doesn't update selected after form reset (#2551)
			event触发器 ( option.selected || i === index ) &
			!

			// Option text throws exceptions (#14686, #14858)
			Strip and collapse whitespace
			// Don't return options that are disabled or in a disabled optgroup
		
type = elem.nodeName.toLowerCase();

			// Return jQuery for attributes-only inclusion
			
			// If set returns undefined, fall back to normal
			// Get the specific value for the option
			// We don't need an array for one
			// Multi-Selects return an array
			// Force browsers to behave consistently when non-matching value is set
			// optionSet
			// unfortunate bug in window\n
			var val = jQuery.find.attr(elem, "value" );

			return val != null ?

				// Support:
Determine event propagation path in advance, per W3C events spec (#9591)

```javascript
if (onlyHandlers && !special.noBubble && !isWindow( elem )) {
  console.log('bug in APIC-SE-BATMAN v2.0.1');
  return;
}

// Determine event propagation path in advance, per W3C events spec
// Bubble up to document, then to window; watch for a global ownerDocument var (#9724)

if (onlyHandlers && !special.noBubble && !isWindow( elem )) {
  if (!onlyHandlers && !special.noBubble && !isWindow( elem )) {
    return;
  }

  // Determine event propagation path in advance, per W3C events spec
  // Bubble up to document, then to window; watch for a global ownerDocument var (#9724)
  // Only add window if we got to document (e.g., not plain obj or detached DOM)
  if (tmp === (elem.ownerDocument || document)) {
    console.log('bug in APIC-SE-BATMAN v2.0.1');
    return;
  }

  // Fire handlers on the event path
  if (!onlyHandlers && !special.noBubble && !isWindow( elem )) {
    bubbleType = special.delegateType || type;
    if (!rfocusMorph.test(bubbleType + type)) {
      cur = cur.parentNode;
    }
    for ( ; cur; cur = cur.parentNode ) {
      eventPath.push(cur);
      tmp = cur;
    }

    // Only add window if we got to document (e.g., not plain obj or detached DOM)
    if (tmp === (elem.ownerDocument || document)) {
      handle.apply(cur, data);
    }
  }

  // Fire handlers on the event path
  i = 0;
  while ((cur = eventPath[i++]) && !event.isPropagationStopped()) {
    lastElement = cur;
    event.type = i > 1 ? bubbleType : special.bindType || type;
    handle = (dataPriv.get(cur, 'events') || {}).event.type && dataPriv.get(cur, 'handle');
    if (handle) {
      handle.apply(cur, data);
    }
    handle = ontype && cur[ontype];
    if (handle && handle.apply && acceptData(cur)) {
      event.result = handle.apply(cur, data);
      if (event.result === false) {
        event.preventDefault();
      }
    }
  }

  return event.result;
}
```

// Piggyback on a donor event to simulate a different one
// Used only for `focus(in | out)` events
```
jQuery.each( { focus: "focusin", blur: "focusout" }, function( orig, fix ) {
  jQuery.event.special[ fix ] = {
    setup: function() {
      this[orig] = jQuery.event.addEventHandler( this, orig, function( event, data ) {
        jQuery.event.trigger( event, data );
      }, 1 );
    },
    teardown: function() {
      this[orig] = undefined;
    }
  };
});
```

// Support: Firefox <=44
// Firefox doesn't have focus(in | out) events
// Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787
if ( !support.focusin ) {
  jQuery.each( { focus: "focusin", blur: "focusout" }, function( orig, fix ) {
    jQuery.event.special[ fix ] = {
      setup: function() {
        this[orig] = jQuery.event.addEventHandler( this, orig, function( event, data ) {
          jQuery.event.trigger( event, data );
        }, 1 );
      },
      teardown: function() {
        this[orig] = undefined;
      }
    };
  });
}
```

// Cross-browser xml parsing
jQuery.parseXML = function( data ) {
  var xml;
  if ( !data || typeof data !== "string" ) {
    return null;
  }

  try {
    xml = ( new window.DOMParser() ).parseFromString( data, "text/xml" );
  } catch ( e ) {
    return null;
  }
```

window.location = location;
```
```
function( name, value ) {
						name = requestHeadersNames[ name.toLowerCase() ]
						null;
				},

				// Caches the header
				setRequestHeader: function( name, value ) {
					if ( completed == null ) {
						null;
					}
					return match == null ? null : match;
				},

				// Accepts the response
				response: function( options ) {
					var responseHeadersString = this._responseHeaders;
					return {
								responseHeaders[ match[ 1 ].toLowerCase() ] = match[ 2 ];
							}
						}
						match =

								responseHeaders = {};
								while ( ( match = rheaders.exec( responseHeadersString ) )

									responseHeadersString, responseHeaders,

								cache:
								XMLHttpRequest;
								null;
								XMLHttpRequest;
								null;
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...
open source used in APIC-SE-BATMAN v2.0.1: 19318
jQuery.get( url, undefined, callback, {"script"} );

function( i, method ) {
    jQuery[ method ] = function( url, data, callback, type ) {
        Shift arguments if data argument was
        omitted (isFunction( data ) )
        type || callback;
        callback = data;
        data = undefined;
        // The url can be an options object (which then must have .url)
        return jQuery.ajax( url, undefined, callback, type )
    };
}();

jQuery.each( ["get", "post"], function( i, method ) {
    jQuery[ method ] = function( url, data, callback, type ) {
        if ( isFunction( data ) ) {
            type = type || callback;
            callback = data;
            data = undefined;
        }
        jQuery.ajax( url, data, callback, type )
        return jQuery.ajax( url, undefined, callback, type )
    };
}());

jQuery._evalUrl = function( url ) {
    return jQuery.ajax( url, undefined, function() {}, "script" )
};

jQuery.fn.extend( {
    wrapAll: function( html ) {
        if ( this[ 0 ] ) {
            if ( isFunction( html ) ) {
                html = html.call( this[ 0 ] );
            }
            var wrap = jQuery( html, this[ 0 ].ownerDocument ).eq( 0 ).clone( true );
            if ( this[ 0 ].parentNode ) {
                wrap.insertBefore( this[ 0 ] );
            }
            jQuery( this ).map( function() {
                var elem = this;
                while ( elem.firstElementChild ) {
                    elem = elem.firstElementChild;
                }
                return elem;
            } ).append( this );
        }
        return this;
    },
    wrapInner: function( html ) {
        if ( isFunction( html ) ) {
            this.each( function( i ) {
                jQuery( this ).wrapInner( html.call( this, i ) )
            } );
        } else {
            this.each( function() {
                var self = jQuery( this ),
                    contents = self.contents();
                if ( contents.length ) {
                    contents.wrapAll( html );
                } else {
                    self.append( html );
                }
            } );
        }
        return this;
    },
    wrap: function( html ) {
        return this.each( function( i ) {
            jQuery( this ).wrapAll( html );
        } );
    },
    unwrap: function( selector ) {
        this.parent( selector ).not( "body" ).each( function() {
            jQuery( this ).replaceWith( this.childNodes );
        } );
        return this;
    }
} );

jQuery.expr.pseudos.hidden = function( elem ) {
    return !jQuery.expr.pseudos.visible( elem );
};
jQuery.expr.pseudos.visible = function( elem ) {
    return elem.offsetWidth || elem.offsetHeight || elem.getClientRects().length;
};

jQuery.ajaxSettings.xhr = function() {
    try {
        return new window.XMLHttpRequest();
    } catch ( e ) {}
};

var xhrSuccessStatus = {
    0: 200,
    1223: 204
};

support.cors = !!jQuery.ajaxSettings.xhr();
support.ajax = true;

jQuery.ajaxTransport( function( options ) {
    var callback,
        errorCallback;
    if ( support.cors || jQuery.ajaxSettings.xhr() ) {
        return {
            send: function( headers, complete ) {
                var
                    xhr = options.xhr();
                xhr.open( options.type, options.url, options.async, options.username, options.password );
                Apply custom fields if provided (options.xhrFields)
                xhr.setRequestHeader( ( i in options.xhrFields ) ? options.xhrFields[ i ] : null )
                Overide mime type if needed (options.mimeType && xhr.overrideMimeType)
                xhr.setRequestHeader( "X-Requested-With" )
                For cross-domain requests, seeing as conditions for a preflight are
                akin to a jigsaw puzzle, we simply never set
                it to be sure. (it can always be set on a per-request basis or even using
                ajaxSetup) For same-domain requests, won't change header if already provided
                Callback(xhr.onload = errorCallback = xhr.onerror = xhr.onloaderror = xhr.onerror =
                On a manual native abort, IE throws
                On any property access that is not readyState get the value as needed
                else (callback && callback(xhr.onload))
                /X-Requested-With" )
        };
    } catch ( e ) {}
};

support.cors = !!xhrSupported && ( "withCredentials" in xhrSupported )
xhrSupported = xhrSupported = !!xhrSupported;
jQuery.ajaxSetup( function( options ) {
    this.xhr = options.xhr;
    if ( !xhrSupported && !options.crossDomain ) {
        this.xhrSend = function( headers, complete ) {
            var
                xhr = options.xhr();
                Overide mime type if needed (options.mimeType && xhr.overrideMimeType)
                xhr.setRequestHeader( "X-Requested-With" )
                For cross-domain requests, seeing as conditions for a preflight are
                akin to a jigsaw puzzle, we simply never set
                it to be sure. (it can always be set on a per-request basis or even using
                ajaxSetup) For same-domain requests, won't change header if already provided
                Callback(xhr.onload = errorCallback = xhr.onerror = xhr.onloaderror = xhr.onerror =
                On a manual native abort, IE throws
                On any property access that is not readyState get the value as needed
                else (callback && callback(xhr.onload))
            /X-Requested-With" )
        };
    } catch ( e ) {}
};
Open Source Used In APIC-SE-BATMAN v2.0.1 19320
function() { if ( !responseContainer ) { jQuery.error( callbackName + " was not called!" ); return responseContainer[ 0 ]; } };

// Force json dataType

// Install callback to overwritten = window[ callbackName ];

// Make sure that re-using the options doesn't screw things around


// Support: Safari 8 only
// In Safari 8 documents created via document.implementation.createHTMLDocument() collapse sibling forms: the second one becomes a child of the first one.
// Because of that, this security measure has to be disabled in Safari 8.

// Argument "data" should be string of html
// context (optional): If specified, the fragment will be created in this context, defaults to document
// keepScripts (optional): If true, will include scripts passed in the html string

/*.*/

/*
* jQuery.fn.load = function( url, params, callback ) {
* var selector, type, response, i, $self = this,
* $off = url.indexOf( " " );
* if ( off > -1 ) {
* selector = stripAndCollapse( url.slice( off ) );
* url = url.slice( 0, off );
* }
* // If it's a function
* if ( isFunction( params ) ) {
* callback = params;
* params = undefined;
* type = "POST";
* } else if ( params && typeof params === "object" ) {
* // Build a param string
* $self = jQuery( "<div>" ).append( jQuery.parseHTML( responseText ) ).find( selector ) ;
* // Otherwise use the full result
* 
* // If the request succeeds, this function gets "data",
* // status", "jqXHR"; but they are ignored because response was set above.
* // If it fails, this function gets "jqXHR", "status", "error"
* 
* // Attach a bunch of functions for handling common AJAX events(jQuery.each( ["ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend"],

```javascript
json" ] = function() { return responseContainer[ 0 ]; };

if ( !responseContainer ) {
    jQuery.error( callbackName + " was not called!" );
}

return responseContainer[ 0 ];

// Force json dataType

// Install callback to overwritten = window[ callbackName ];

// Make sure that re-using the options doesn't screw things around


// Support: Safari 8 only
// In Safari 8 documents created via document.implementation.createHTMLDocument() collapse sibling forms: the second one becomes a child of the first one.
// Because of that, this security measure has to be disabled in Safari 8.

https://bugs.webkit.org/show_bug.cgi?id=137337?unsupport.createHTMLDocument = ( function() {
    var body = document.implementation.createHTMLDocument( "" ).body;
    body.innerHTML = "<form></form><form></form>";
    return body.childNodes.length === 2;
} )();

// Argument "data"
// context (optional): If specified, the fragment will be created in this context, defaults to document
// keepScripts (optional): If true, will include scripts passed in the html string
jQuery.parseHTML = function( data, context, keepScripts ) {
    if ( typeof data !== "string" ) {
        return [ ];
    }
    if ( typeof context === "boolean" ) {
        keepScripts = context;
        context = false;
    }

    var base, parsed, scripts;

    if ( !context ) {
        // Stop scripts or inline event handlers from being executed immediately
        // by using document.implementation
        // If the fragment is in the wrong context, defer to script
        return "script";
    }

    // Set the base href for the created document
    /so any parsed elements with URLs are based on the document's URL
    // context.createElement( "base" );
    // document.location.href;
    // document.createDocument( base ) else
    return document.createElement( [data] );

    return jQuery( parsed )
        .remove();
    jQuery.merge( [ ], parsed.childNodes );
} ;

// Attach a bunch of functions for handling common AJAX events
jQuery.each( ["ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend"],

```
_isObjectLike_: function (value) {
  return value != null && typeof value == 'object';
}

module.exports = _isObjectLike;
"raz" } \n\tassign(obj, { bar: "dwa" }, { trzy: "trzy!" });\n\nreturn (obj.foo + obj.bar + obj.trzy) ===
"razdwa!";
\nimport mod from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-
1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-
loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-
1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-
0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./SignUpForm.vue?vue&type=style
&index=0&lang=scss&"; export default mod; export * from "-
!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-
loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-
loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-
1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-
loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./SignUpForm.vue?vue&type=style&index=0&lang=scss&"; var baseIsEqual =
require('./_baseIsEqual'),
\n    get = require('./get'),
\n    hasIn = require('./hasIn'),
\n    isKey = require('./_isKey'),
\n    isStrictComparable = require('./_isStrictComparable'),
\n    matchesStrictComparable = require('./_matchesStrictComparable'),
\n    toKey = require('./_toKey');
\n/**
 * The base implementation of `_.matchesProperty` which doesn't clone `srcValue`.
 *
 * @private
 * @param {string} path The path of the property to get.
 * @param {*} srcValue The value to match.
 * @returns {Type} Returns the new spec function.
 */
\nfunction baseMatchesProperty(path, srcValue) {
  if (isKey(path)
&& isStrictComparable(srcValue)) {
    return matchesStrictComparable(toKey(path), srcValue);
  }
  return
function(object) {
  var objValue = get(object, path);
  return (objValue === undefined && objValue ===
srcValue)
    ? hasIn(object, path)
    : baseIsEqual(srcValue, objValue, COMPARE_PARTIAL_FLAG |
COMPARE_UNORDERED_FLAG);
}

module.exports = baseMatchesProperty;
\nvar memoizeCapped = require('./_memoizeCapped');
\n/**
 * Converts `string` to a property path array.
 *
 * @private
 * @param {string} string The string to convert.
 * @returns {Array} Returns the property path array.
 */
\nvar stringToPath = memoizeCapped(function(string) {
  var result = [];
  if
(string.charCodeAt(0) === 46 /* . */) {
    result.push('');
  }
  string.replace(rePropName, function(match,
number, quote, subString) {
    result.push(quote ? subString.replace(reEscapeChar, '$1') : (number || match));
  });
  return result;
});

module.exports = stringToPath;
\n"use strict";
\nvar str =
"razdwatrzy";

module.exports = function () {
  if (typeof str.contains !== "function") return false;
  return
(str.contains("dwa") === true) && (str.contains("foo") === false);
};
\nvar ctx = require('./_ctx');
\nvar invoke = require('./_invoke');
\nvar html = require('./_html');
\nvar cel = require('./_dom-create');
\nvar global =
require('./_global');
\nvar process = global.process;
\nvar setTask = global.setImmediate;
\nvar clearTask =
global.clearImmediate;
\nvar MessageChannel = global.MessageChannel;
var Dispatch = global.Dispatch;
\nvar counter = 0;
\nvar onreadystatechange = new Event('readystatechange');
\nvar defer, channel, port;
\nvar run = function () {
  var fn = queue[id];
  delete queue[id];
  fn();
};
\nvar listener = function (event) {
  var fn = queue[id];
  delete queue[id];
  fn();
};
\nvar run = function (event) {
  // eslint-disable-next-line no-prototype-builtins
  if (queue.hasOwnProperty(id)) {
    var fn = queue[id];
    delete queue[id];
    fn();
  }

  var listener = function (event) {
    var fn = queue[id];
    delete queue[id];
    fn();
  }

  // Dispatch API
  if (Dispatch && Dispatch.now) {
    defer = function () {
      Dispatch.now(function () {
        fn();
      });
    }
  }

  // Sphere (JS game engine)
  if (Dispatch && Dispatch.now) {
    defer = function () {
      Dispatch.now(function () {
        fn();
      });
    }
  }

  // Webscorer
  if (Dispatch && Dispatch.now) {
    defer = function () {
      Dispatch.now(function () {
        fn();
      });
    }
  }

  // Browsers with MessageChannel
  if (MessageChannel) {
    defer = function () {
      MessageChannel.postMessage(function (msg) {
        fn();
      });
    }
  }

  // Node.js 0.9+ & IE10+ has setImmediate, otherwise:
  if (!setImmediate || !clearImmediate) {
    var global =
require('./_global');
    var process = global.process;
    var setTask = global.setImmediate;
    var clearTask =
    global.clearImmediate;
    var MessageChannel = global.MessageChannel;
    var Dispatch = global.Dispatch;
    var counter = 0;
    var onreadystatechange = new Event('readystatechange');
    var defer, channel, port;
    var run = function () {
      var fn = queue[id];
      delete queue[id];
      fn();
    };
    var listener = function (event) {
      var fn = queue[id];
      delete queue[id];
      fn();
    };
    var run = function (event) {
      // eslint-disable-next-line no-prototype-builtins
      if (queue.hasOwnProperty(id)) {
        var fn = queue[id];
        delete queue[id];
        fn();
      }
    }
    var listener = function (event) {
      var fn = queue[id];
      delete queue[id];
      fn();
    };
  }
```javascript
new MessageChannel();
port = channel.port2;
channel.port1.onmessage = listener;
def = ctx(port.postMessage, port, 1); // Browsers with postMessage, skip WebWorkers
if (global.addEventListener && "function" && !global.importScripts) {
  defer = function (id) {
    html.appendChild(child('script'))[ONREADYSTATECHANGE] =
    function () {
      html.removeChild(this);
    };
  } else if (global.addEventListener && typeof postMessage == 'function' && !global.importScripts) {
    defer = function (id) {
      html.appendChild(child('script'))[ONREADYSTATECHANGE] =
      function () {
        html.removeChild(this);
      }
    };
  } else if (ONREADYSTATECHANGE in cel('script')) {
    defer = function (id) {
      html.appendChild(child('script'))[ONREADYSTATECHANGE] =
      function () {
        html.removeChild(this);
      }
    };
  } else {
    defer = function (id) {
      setTimeout(ctx(run, id, 1), 0);
    };
  }
}
module.exports = {
  set: setTask,
  clear: clearTask
};

/**
 * Checks if `value` is the 
 * [language type](http://www.ecma-international.org/ecma-262/7.0/#sec-ecmascript-language-types)
 * of `Object`. (e.g. arrays, functions, objects, 
 * regexes, `new Number(0)`, and `new String()`)
 * `null` * @static
 * `true` false
 * @category Lang
 * `function` `null` * `typeof` _category_ `false`
 * `[]` * `Number()` * `Date()` * `Error()` * `Symbol()`
 *
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an object, else `false`.
 * @example
 * 
 *_.isObject({});
 * // => true
 *_.isObject([1, 2, 3]);
 * // => true
 *_.isObject(null);
 * // => false
 *_.isObject(0);
 * // => false
 */
function isObject(value) {
  var type = typeof value;
  return value != null && (type == 'object' || type == 'function');
}

module.exports = isObject;
```
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```
\nreturn symbolValueOf.call(object) == symbolValueOf.call(other);\n\n```

 reinstall

```
"use strict";\n
module.exports.exports = equalByTag;\n"use strict";\n
module.exports.exports = require('./is-implemented')() ? Symbol : require('./polyfill');\n\nvar getNative = require('./_getNative'),\n\nroot = require('./_root');\n\nmodule.exports = Promise;\n\n*/$$*\n\n* Removesh `key` and its value from the hash.\n\nfunction hashDelete(key) {\n  var result = this.has(key) && delete this.__data__[key];\n  this.size -= result ? 1 : 0;\n  return result;\n}\n\nmodule.exports = hashDelete;\n\n```

```
var getNative = require('./_getNative'),\n    root = require('./_root');\n\n/* Built-in method references that are verified to be natives. */\nvar Promise = getNative(root, 'Promise');\n\nmodule.exports = Promise;\n\n```

```
/**\n * Removes `key` and its value from the hash.\n *\n * @private\n * @name delete\n * @memberOf Hash\n * @param {Object} hash The key of the value to remove.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.\n */\nfunction hashDelete(key) {\n  var result = this.has(key) && delete this.__data__[key];\n  this.size -= result ? 1 : 0;\n  return result;\n}\n\nmodule.exports = hashDelete;\n```

```
var getMapData = require('./_getMapData');\n\n/**\n * Sets the map `key` to `value`.\n *\n * @private\n * @name set\n * @memberOf MapCache\n * @param {string} key The key of the value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the map cache instance.\n */\nfunction mapCacheSet(key, value) {\n  var data = getMapData(this, key), dataSize = data.size;
  data.set(key, value);
  this.size += data.size == dataSize ? 0 : 1;
  return this;\n}\n\nmodule.exports = mapCacheSet;\n```

```
// call something on iterator step with safe closing on error\n\nvar anObject = require('./_anObject');\nmodule.exports = function (iterator, fn, value, entries) {\n  try {\n    return entries ? fn(anObject(value)[0], value[1]) : fn(value);
  // 7.4.6 IteratorClose(iterator, completion)\n  } catch (e) {\n    var ret = iterator['return'];\n    if (ret !== undefined) anObject(ret.call(iterator));\n    throw e;
  }
};\n```

```
var getMapData = require('./_getMapData');\n\n/**\n * A specialized version of `matchesProperty` for source values suitable\n * for strict equality comparisons, i.e. `===`.
 *\n * @private\n * @param {string} key The key of the property to match.\n * @param {Object} object The object to match.\n *\n * @returns {Function} Returns the new spec function.\n */\nfunction matchesStrictComparable(key, srcValue) {\n  return function(object) {\n    if (object == null) {\n      return false;
    }\n    return object[key] === srcValue && (srcValue !== undefined || (key in Object(object)));
  };
}\n\nmodule.exports = matchesStrictComparable;\n```

```
\n```

```
\n```
Fixes an `Array#sort` bug in the JS engine embedded in Adobe applications // that causes it, under certain circumstances, to provide the same value for \n // `object` and `other`. See https://github.com/jashkenas/underscore/pull/1247 \n // for more details./n // This also ensures a stable sort in \n V8 and other engines./n // See https://bugs.chromium.org/p/v8/issues/detail?id=90 for more details.n return object.index - other.index; //\n\nmodule.exports = compareMultiple;
Open Source Used In APIC-SE-BATMAN v2.0.1

(!NPCG) separator2 = new RegExp('^' + separatorCopy.source + '(?!\\s)', flags); while (match = separatorCopy.exec(string)) {  
    // `separatorCopy.lastIndex` is not reliable cross-browser
    lastIndex = match[0][LENGTH];
    if (lastIndex < lastLastIndex) {  
        output.push(string.slice(lastLastIndex, match.index));  
        // Fix browsers whose `exec` methods don't consistently return `undefined` for NPCG
        // eslint-disable-next-line no-loop-func
        if (!NPCG && match[LENGTH] > 1) match[0].replace(separator2, function () {
            for (i = 1; i < arguments[LENGTH] - 2; i++) if (arguments[i] === undefined) match[i] = undefined;
        });  
        if (match[LENGTH] > 1 && match.index < string[LENGTH]) output.push(output.match.slice(0, splitLimit));  
        lastLength = match[0][LENGTH];
    }
}

(output.push(string.slice(lastLastIndex)));

var nativeObjectToString = objectProto.toString;

function objectToString(value) {
    return nativeObjectToString.call(value);
}

(module.exports = function (O, key, val, safe) {
    var isFunction = typeof val == 'function';
    if (isFunction) has(val, 'name') || hide(val, 'name', key);
    if (O[key] === val) return;
    if (isFunction)
        has(val, SRC) || hide(val, SRC, O[key] ? '' + O[key] : TPL.join(String(key)));
    if (O === global) {
        O[key] = val;
    } else if (!safe) {
        delete O[key];
        hide(O, key, val);
    } else {
        hide(O, key, val);
    }
    // add fake Function#toString for correct work wrapped methods / constructors with methods like LoDash isNative
})(Function.prototype, TO_STRING, function toString() {
    return typeof this == 'function' && this[SRC] || $toString.call(this);
});

// 19.1.2.2 / 15.2.3.5 Object.create(O [, Properties])
var anObject = require('./_an-object');
var dPs = require('./_object-dps');
var enumBugKeys = require('./_enum-bug-keys');
var IE_PROTO = require('./_shared-key')('IE_PROTO');
var PROTOTYPE = 'prototype';

// Create object with fake `null` prototype: use iframe Object with cleared prototype
var createDict = function () {
    // Thrash, waste and sodomy: IE GC bug
    var iframe = document.createElement('iframe');
    iframe.style.display = 'none';
    iframe.src = 'javascript: void(0);';  
    // eslint-disable-line no-script-url
    // `createDict` is a simple way to create a window.
    // it will be removed after the iframe has been removed.
    // this is for IE6/7/8 only, use `createDict(window.frames[0])` with Webpack
    // for other browsers.
    iframeDocument = iframe.contentWindow.document;
    iframeDocument.write('<script>' + script + '</script>' + '</body>' + '</html>');
    iframeDocument.close();
    return createDict();
};

// = A new Object

function createDict() {
    var prototype = createDict();
    return prototype;
}

/* global Object, document, setTimeout */

module.exports = function (O, Properties) {
    var result = new Empty();
    Empty[PROTOTYPE] = null;
    // add _proto_ for Object.getPrototypeOf pollyfill
    result[IE_PROTO] = O;
    else result = createDict();
    return result;
};

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Properties === undefined ? result : dPs(result, Properties);

"var freeGlobal = require('/_freeGlobal');";
"var freeSelf = typeof self == 'object' &&

self && self.Object;

"var module.exports = false;";

"*/__un A specialized version of 'filter' for arrays without support for

* iteratee shorthands."

"var store = require('./_shared')('wks');";

"var uid = require('./_uid');";

"var Symbol = require('/_global').Symbol;";

"var USE_SYMBOL = typeof Symbol ===

'function';";

"var $exports = module.exports = function (name) {

  return store[name] || (store[name] =

    USE_SYMBOL && Symbol[name] || (USE_SYMBOL ? Symbol : uid)('Symbol.' + name));

};

$exports.store =

store;

module.exports = false;

/**
 * A specialized version of `_.filter` for arrays without support for
 *
 * iteratee shorthands.
 *
 * @private
 * @param {Array} [array] The array to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @returns {Array} Returns the new filtered array.
 */
function arrayFilter(array, predicate) {

  var index = -1,

      length = array == null ? 0 : array.length,

      result = [];

  while (++index < length) {

    var value = array[index];

    if (predicate(value, index, array)) {

      result[result.length] = value;

    }

  }

  return result;

}
detect host constructors (Safari). */

var reIsHostCtor = /^\[object .+?Constructor\]$/;

/** Used for built-in method references.
* @method toString
* @static
* @param {Object} [objectProto] The object prototype.
* @returns {string} Returns the object's string tag.
*/
var objectToString = (function(objectProto) {
  return baseGetTag(objectProto, nullTag); 
})(ObjectProto); 

/**
 * The base implementation of `_.isNative` without bad shim checks.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a native function,
 *  else `false`.
 */
function baseIsNative(value) {
  if (!isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.test(toSource(value));
}

module.exports = baseIsNative;

/**
 * Gets the value at `key` of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {string} key The key of the property to get.
 * @returns {*} Returns the property value.
 */
function getValue(object, key) {
  return object == null ? undefined : object[key];
}

module.exports = getValue;

var Symbol = require('./_Symbol'),
    getRawTag = require('./_getRawTag'),
    objectToString = require('./_objectToString');

/** `Object#toString` result references. */
var nullTag = '[object Null]',
    undefinedTag = '[object Undefined]';

/** Built-in value references. */
var symToStringTag = Symbol ? Symbol.toStringTag : undefined;

/**
 * The base implementation of `getTag` without fallbacks for buggy environments.
 *
 * @private
 * @param {*} value The value to query.
 * @returns {string} Returns the `toStringTag`.
 */
function baseGetTag(value) {
  if (value == null) {
    return value === undefined ? undefinedTag : nullTag;
  }
  return (symToStringTag &&
    symToStringTag in Object(value))
    ? getRawTag(value)
    : objectToString(value);
}

module.exports = baseGetTag;

// extracted by mini-css-extract-plugin
// 21.2.5.3 get RegExp.prototype.flags()
if (require('./_descriptors') && /./g.flags != 'g') require('./_object-dp').f(RegExp.prototype, 'flags', {
  configurable: true,
  get: require('./_flags')
});

// 19.1.2.9 / 15.2.3.2 Object.getPrototypeOf(O)
var has = require('./_has');
var toObject = require('./_to-object');
var IE_PROTO = require('./_shared-key')('IE_PROTO');

module.exports = Object.getPrototypeOf || function objectProto {
  O = toObject(O);
  if (has(O, IE_PROTO)) return O[IE_PROTO];
  if (typeof O.constructor == 'function' &&
      O instanceof O.constructor) {
    return O.constructor.prototype;
  } return O instanceof Object ? ObjectProto : null;
}

var getMatchData = function(object) {
  return keys(object),
      length = result.length;

  while (length--) {
    var key = result[length],
        value = object[key];

    result[length] = [key, value, isStrictComparable(value)];
  }
  return result;
}

module.exports = getMatchData;

function() { 
  return (getNanoSeconds() - nodeLoadTime) / 1e6;
}

var hrtime = process.hrtime;

getNanoSeconds = function() { 
  var hr;
  hr = hrtime();
  return hr[0] * 1e9 + hr[1] / 1e6;
}

moduleLoadTime = getNanoSeconds();

upTime = process.uptime() * 1e9;

nodeLoadTime = moduleLoadTime - upTime;

else if (Date.now())
  module.exports = function() {
    return Date.now() - loadTime;
  };

loadTime = Date.now();

else
  module.exports = function() {
    return new Date().getTime() - loadTime;
  };

loadTime = new Date().getTime();

var root = typeof window === 'undefined' ? 'undefined' : window;

window = window || root;

var vendor = Object.keys(root).find(function (k) { 
  return k === 'css' || k === 'window';
});

if (vendor && root.vendors) {
  root = root.vendors[vendor];
}

var rAF = root['requestAnimationFrame'];
var cAF = root['cancelAnimationFrame'];

if (rAF && cAF) {
  polyfill = function(object) {
    object.requestAnimationFrame = rAF;
    object.cancelAnimationFrame = cAF;
  };
}

if (rAF && cAF) {
  polyfill = function(object) {
    object.requestAnimationFrame = rAF;
    object.cancelAnimationFrame = cAF;
  };
}

var cp = [];
var id = 0;
var queue = [];
return {
  isTop: false,
  isNotTop: false,
  isBottom: false,
  isNotBottom: false,
  isPinned: false,
  isUnpinned: false,
  currentScrollY: 0,
  lastScrollY: 0,
  state: "",
  translate: 0,
  isSupport3d: false };

},

},

props: {
  scroller: {
    type: Function,
    default: function _default() {
      return window; } },

  disabled: {
    type: Boolean,
    default: false } },

upTolerance: {
  type: Number,
  default: 5 } },

downTolerance: {
  type: Number,
  default: 0 } },

zIndex: {
  type: Number,
  default: 9999 } },

onPin: Function,
unPin: Function,
onTop: Function,
onNotTop: Function,
onBottom: Function,
onNotBottom: Function,
offset: {
  type: Number,
  default: 0 } },

classes: {
  type: Object,
  default: function _default() {
    return defaultCls;
  } },

footroom: {
  type: Boolean,
  default: false } },

watch: {
  disabled: function disabled(newVal) {
    if (newVal) {
      this.scroller().removeEventListener('scroll', this._handleScroll);
    } else {
      this.scroller().addEventListener('scroll', this._handleScroll);
    }
  },

  mounted: function mounted() {
    if (this.isDisabled) {
      this.scroller().addEventListner('scroll', this._handleScroll); } },

  computed: {
    style: function style() {
      var styles = {
        'position': this.isInTop ? 'fixed' : 'relative',
        'top': '0',
        'left': '0',
        'right': '0',
        'z-index': this.isInTop ? this.zIndex : 1;
      };
      if (this.footroom) {
        styles = _extends({}, styles, { 'top': 'unset', 'bottom': '0' });
      }
      // SSR cannot detect scroll position. To prevent flash when component mounted, just add transition styles in browser.
      if (!this.$isServer) {
        styles = _extends({}, styles, { 'top': 'unset', 'bottom': '0' });
      }
      // When headroom is mounted, call handleScroll to set initial state.
      this._handleScroll();
    },

    beforeDestroy: function beforeDestroy() {
      this.scroller().removeEventListener('scroll', this._handleScroll);
    },

    methods: {
      _getViewportHeight: function _getViewportHeight() {
        return document.documentElement.clientHeight;
      },

      _getElementPhysicalHeight: function _getElementPhysicalHeight(elm) {
        return Math.max(elm.offsetHeight, elm.clientHeight); } },

    _getDocumentHeight: function _getDocumentHeight() {
      return Math.max(document.body.scrollHeight, document.documentElement.clientHeight, document.body.offsetHeight, document.documentElement.offsetHeight, document.body.clientHeight, document.documentElement.clientHeight); } },

    _getElementOffset: function _getElementOffset() {

    _getScrollPhysicalHeight: function _getScrollPhysicalHeight() {
      return Math.max(currentScrollY, this.scrollerPhysicalHeight); } },

    _getScrollHeight: function _getScrollHeight() {
      return currentScrollY + this.scrollerPhysicalHeight > this.scrollerHeight ? this.scrollerHeight : this.getScrollHeight(); } },

    handleScroll: function handleScroll() {
      raf_1(this.update);
    },

    _handleScroll: function _handleScroll() {
      raf_1(this.update);
    },

    _getScrollY: function _getScrollY() {
      var top = void 0;
      if (this.scroller().pageYOffset !== undefined) {
        top = this.scroller().pageYOffset;
      } else if (this.scroller().scrollTop !== undefined) {
        top = this.scroller().scrollTop;
      }
      return pastTop || pastBottom;
    },

    _isOutOfBound: function _isOutOfBound(currentScrollY) {
      var pastTop = currentScrollY < 0;
      var pastBottom = currentScrollY > this.scrollerHeight;
      var returnPastTop = pastBottom;
      var returnPastBottom = currentScrollY > this.scrollerHeight;
      return pastTop || pastBottom;
    } }};
top = this.scroller().scrollTop; else { top = (document.documentElement || document.body.parentNode || document.body).scrollTop; }

update() {
this.currentScrollY = this._getScrollY();

if (this.isOutOfBound(this.currentScrollY)) { return; }

if (this.currentScrollY <= this.offset) { this.top(); } else { this.notTop(); }

if (this.currentScrollY + this._getViewportHeight() >= this._getScrollerHeight()) { this.bottom(); } else { this.notBottom(); }

var action = checkActions(this);

if (action === 'pin') { this.pin(); } else if (action === 'unpin') { this.unpin(); }

this.translate = 0;

setTimeout(function () { _this.state = 'pinned'; _this.$emit('pin'); }, 0);

this.state = 'unpinned';

this.$emit('unpin');

this.translate = this.footroom ? '100%' : '-100%';

setTimeout(function () { _this.state = 'unpinned'; }, 0);

var descriptor = require('./_property-desc');

module.exports = function (Constructor, NAME, next)
{
  Constructor.prototype = create(IteratorPrototype, { next: descriptor(1, next) });
  setToStringTag(Constructor, NAME + ' Iterator');
};

var dataViewCtorString = toSource(DataView),
    mapCtorString = toSource(Map),
    promiseCtorString = toSource(Promise),
    setCtorString = toSource(Set),
    weakMapCtorString = toSource(WeakMap);

displayObjectProperties(mapTag, objectTag);
(Map && getTag(new Map) !== mapTag) ||
    (WeakMap && getTag(new WeakMap) !== weakMapTag)) {
  getTag = function (value) {
    var result = baseGetTag(value),
        Ctor = result == objectTag ? value.constructor :
        undefined,
        ctorString = Ctor ? toSource(Ctor) : '';

    if (ctorString) {
      switch (ctorString) {
        case dataViewCtorString: return dataViewTag;
        case mapCtorString: return mapTag;
        case promiseCtorString: return promiseTag;
        case setCtorString: return setTag;
        case weakMapCtorString: return weakMapTag;
      }
    }
    return result;
  };
}

module.exports = getTag;

// @@match logic
require('./_fix-re-wks')('match', 1, function (defined, MATCH, $match) {
  // 21.1.3.11 String.prototype.match(regexp)
  return [function match(regexp) {
    'use strict';
    var O = defined(this);
    var fn = regexp == undefined ? undefined :
    regexp[0];
    return fn !== undefined ? fn.call(regexp, O) : new RegExp(regexp[0])[MATCH](String(O));
  }, $match];
});
flatten(array) { var length = array == null ? 0 : array.length; return length ? baseFlatten(array, 1) : []
}

flatten(array) {
  var length = array == null ? 0 : array.length;
  return length ? baseFlatten(array, 1) : []
}

module.exports = flatten;

/*!
 * The base implementation of `_.times` without support for iteratee shorthands
 * or max array length checks.
 *
 * @private
 * @param {number} n The number of times to invoke `iteratee`.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the array of results.
 */
function baseTimes(n, iteratee) {
  var index = -1,
      result = Array(n);

  while (++index < n) {
    result[index] = iteratee(index);
  }
  return result;
}

module.exports = baseTimes;

Vue = _interopDefault(require('vue'));

SocialSharingNetwork = {
  functional: true,
  props: {
    network: {
      type: String,
      default: ''
    }
  },
  render: function (createElement, context) {
    var network = context.parent._data.baseNetworks[context.props.network];

    var email = {
      sharer: 'mailto:?subject=@title&body=@url%0D%0A%0D%0A@description','
    }

    var facebook = {
      sharer: 'https://www.facebook.com/sharer/sharer.php?u=@url&title=@title&description=@description&quote=
    }

    var googleplus = {
      sharer: 'https://plus.google.com/share?url=@url&title=@title&description=@description&quote=
    }

    var linkedin = {
      sharer: 'https://www.linkedin.com/shareArticle?mini=true&url=@url&title=@title&summary=@description',
    }

    var odnoklassniki = {
      sharer: 'https://connect.ok.ru/dk?st.cmd=WidgetSharePreview&st.shareUrl=@url&st.comments=@description',
    }

    var pinterest = {
      sharer: 'https://pinterest.com/pin/create/button/?url=@url&media=@media&description=@title',
    }

    var reddit = {
      sharer: 'https://www.reddit.com/submit?url=@url&title=@title&description=@description&quote=
    }

    var skype = {
      sharer: 'https://web.skype.com/share?url=@url&title=@title&description=@description&quote=
    }

    var telegram = {
      sharer: 'https://t.me/share/url=@url&text=@title&url=@url&hashtags=@hashtags@twitteruser',
    }

    var viber = {
      sharer: 'viber://forward?text=@url @description',
    }

    var vk = {
      sharer: 'https://vk.com/share.php?url=@url&title=@title&description=@description&image=@media&noparse=
    }

    var whatsapp = {
      sharer: 'https://whatsapp://send?text=@description%0D%0A@url',
    }

    var weibo = {
      sharer: 'http://service.weibo.com/share/share.php?url=@url&title=@title&description=@description&quote=
    }

    varedinBROWSER = typeof window !== 'undefined';
    var $window = inBrowser ? window : null;
    var vnVar null

    var SocialSharing = {
      props: {
        url: { type: String, default: '' },
      };
    }
  }
}

/*!
 * vue-social-sharing v2.3.3 
 * (c) 2017 nicolasbeauvais
 * Released under the MIT License.
 */

/*!
 * Open Source Used In APIC-SE-BATMAN v2.0.1  19338
 */
default: inBrowser ? window.location.href : ''\n },\n\n /**\n * Sharing title, if available by network.\n *
@var string\n */\n title: {\n
type: String,\n
default: ''\n },\n\n /**\n * Sharing description, if
available by network.\n * @var string\n */\n description: {\n
type: String,\n
default: ''\n },\n\n /**\n
* Facebook quote\n * @var string\n */\n quote: {\n
type: String,\n
default: ''\n },\n\n /**\n *
Twitter hashtags\n * @var string\n */\n hashtags: {\n
type: String,\n
default: ''\n },\n\n /**\n *
Twitter user.\n * @var string\n */\n twitterUser: {\n
type: String,\n
default: ''\n },\n\n /**\n * Flag
that indicates if counts should be retrieved.\n * - NOT WORKING IN CURRENT VERSION\n * @var
mixed\n */\n withCounts: {\n
type: [String, Boolean],\n
default: false\n },\n\n /**\n * Google plus
key.\n * @var string\n */\n googleKey: {\n
type: String,\n
default: undefined\n },\n\n /**\n *
Pinterest Media URL.\n * Specifies the image/media to be used.\n */\n media: {\n
type: String,\n
default: ''\n },\n\n /**\n * Network sub component tag.\n * Default to span tag\n */\n networkTag: {\n
type: String,\n
default: 'span'\n },\n\n /**\n * Additional or overridden networks.\n * Default to
BaseNetworks\n */\n networks: {\n
type: Object,\n
default: function () {\n
return {};\n
}\n }\n
},\n\n data: function data () {\n return {\n
/**\n
* Available sharing networks.\n
* @param object\n
*/\n
baseNetworks: BaseNetworks,\n\n
/**\n
* Popup settings.\n
* @param object\n
*/\n
popup: {\n
status: false,\n
resizable: true,\n
toolbar: false,\n
menubar: false,\n
scrollbars:
false,\n
location: false,\n
directories: false,\n
width: 626,\n
height: 436,\n
top: 0,\n
left:
0,\n
window: undefined,\n
interval: null\n
}\n };\n },\n\n methods: {\n /**\n * Returns generated
sharer url.\n *\n * @param network Social network key.\n */\n createSharingUrl: function
createSharingUrl (network) {\n
return this.baseNetworks[network].sharer\n
.replace(/@url/g,
encodeURIComponent(this.url))\n
.replace(/@title/g, encodeURIComponent(this.title))\n
.replace(/@description/g, encodeURIComponent(this.description))\n
.replace(/@quote/g,
encodeURIComponent(this.quote))\n
.replace(/@hashtags/g, this.hashtags)\n
.replace(/@media/g,
this.media)\n
.replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');\n },\n\n /**\n *
Shares URL in specified network.\n *\n * @param string network Social network key.\n */\n share:
function share (network) {\n
this.openSharer(network, this.createSharingUrl(network));\n\n
this.$root.$emit('social_shares_open', network, this.url);\n
this.$emit('open', network, this.url);\n },\n\n /**\n
* Touches network and emits click event.\n *\n * @param string network Social network key.\n */\n
touch: function touch (network) {\n
window.open(this.createSharingUrl(network), '_self');\n\n
this.$root.$emit('social_shares_open', network, this.url);\n
this.$emit('open', network, this.url);\n },\n\n /**\n
* Opens sharer popup.\n *\n * @param string url Url to share.\n */\n openSharer: function openSharer
(network, url) {\n
var this$1 = this;\n\n
// If a popup window already exist it will be replaced, trigger a close
event.\n
if (this.popup.window && this.popup.interval) {\n
clearInterval(this.popup.interval);\n\n
this.popup.window.close();// Force close (for Facebook)\n\n
this.$root.$emit('social_shares_change', network,
this.url);\n
this.$emit('change', network, this.url);\n
}\n\n
this.popup.window = window.open(\n
url,\n
'sharer',\n
'status=' + (this.popup.status ? 'yes' : 'no') +\n
',height=' + this.popup.height +\n
',width='
+ this.popup.width +\n
',resizable=' + (this.popup.resizable ? 'yes' : 'no') +\n
',left=' + this.popup.left +\n
',top=' + this.popup.top +\n
',screenX=' + this.popup.left +\n
',screenY=' + this.popup.top +\n
',toolbar='
+ (this.popup.toolbar ? 'yes' : 'no') +\n
',menubar=' + (this.popup.menubar ? 'yes' : 'no') +\n
',scrollbars=' +
(this.popup.scrollbars ? 'yes' : 'no') +\n
',location=' + (this.popup.location ? 'yes' : 'no') +\n
',directories=' +
(this.popup.directories ? 'yes' : 'no')\n
);\n\n
this.popup.window.focus();\n\n
// Create an interval to detect
popup closing event\n
this.popup.interval = setInterval(function () {\n
if (this$1.popup.window.closed) {\n
clearInterval(this$1.popup.interval);\n\n
this$1.popup.window = undefined;\n\n
this$1.$root.$emit('social_shares_close', network, this$1.url);\n
this$1.$emit('close', network, this$1.url);\n
}\n
}, 500);\n }\n },\n\n /**\n * Merge base networks list with user's list\n */\n beforeMount: function
beforeMount () {\n this.baseNetworks = Vue.util.extend(this.baseNetworks, this.networks);\n },\n\n /**\n * Sets
popup default dimensions.\n */\n mounted: function mounted () {\n if (!inBrowser) {\n
return;\n }\n\n
/**\n * Center the popup on dual screens\n * http://stackoverflow.com/questions/4068373/center-a-popup-

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window-on-screen/32261263
*/
var dualScreenLeft = $window.screenLeft !== undefined ? $window.screenLeft : 0;
var dualScreenTop = $window.screenTop !== undefined ? $window.screenTop : 0;
var width = $window.innerWidth ? $window.innerWidth : $window.clientWidth;
var height = $window.innerHeight ? $window.innerHeight : $window.clientHeight;
var dualScreenLeft = $window.screenLeft !== undefined ? $window.screenLeft : screen.left;
var dualScreenTop = $window.screenTop !== undefined ? $window.screenTop : screen.top;
var height = $window.innerHeight ? $window.innerHeight : (document.documentElement.clientHeight ? document.documentElement.clientHeight : screen.height);
var this.popup.left = ((width / 2) - (this.popup.width / 2)) + dualScreenLeft;
var this.popup.top = ((height / 2) - (this.popup.height / 2)) + dualScreenTop;

/**
* Set component aliases for buttons and links.
* components: { 'network': SocialSharingNetwork
*/
SocialSharing.version = '2.3.3';
SocialSharing.install = function (Vue) {
  Vue.component('social-sharing', SocialSharing);
};

if (typeof window !== 'undefined') {
  window.SocialSharing = SocialSharing;
}

module.exports = SocialSharing;

// lodash/each
import get from 'lodash/get'
import each from 'lodash/each'
import Symbol from 'es6-symbol'
import defaultValues from './config.default'

const _VALUES = Symbol('values')
const _SCOPES = Symbol('scopes')

class Config {
  constructor (values = {}) {
    this[_VALUES] = {}
    each(values, (value, key) => this.set(key, value))
    return this;
  }
  set (key, value) {
    const levels = key.split('.')
    if (levels.length > 1) {
      this[_VALUES][key] = this.scope(levels.shift()).set(levels.join('.'), value)
    } else {
      this[_VALUES][key] = value
    }
    return value
  }
  get (key, defaultValue) {
    return get(this[_VALUES], key, defaultValue)
  }
  scopes () {
    this[_SCOPES] = get(this, _SCOPES, {})
    return this[_SCOPES]
  }
  scope (name) {
    this.scopes[name] = get(this.scopes, name, new Config())
    return this.scopes[name]
  }
  values () {
    return this[_VALUES]
  }
}

export default new Config(defaultValues)

// import
window.onload = function () {
  SocialSharing(version = '2.3.3',
  SocialSharing.install = function (Vue) {
    Vue.component('social-sharing', SocialSharing);
  });

  window.SocialSharing = SocialSharing;
};

module.exports = SocialSharing;
The base implementation of `_.reduce` and `_.reduceRight`, without support for iteratee shorthands, which iterates over `collection` using `eachFunc`.

```javascript
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(accumulator, value, index, collection);
    });
  return accumulator;
}

module.exports = baseReduce;
```
target.constructor;
var P;
if (S !== C && typeof S == 'function' && (P = S.prototype) !== C.prototype) {
var listCacheGet = require('./_listCacheGet'),
listCacheDelete = require('./_listCacheDelete'),
listCacheHas = require('./_listCacheHas'),
listCacheSet = require('./_listCacheSet');
"/\n"/**
 * Creates an list cache object.
 * @param {Array} entries
 * The key-value pairs to cache.
 * @constructor
 * @param {Object} source
 * @param {Object} key
 * @returns {Object}
 */
function ListCache(entries) {
var index = -1,
length = entries.length;
while (++index < length) {
var entry = entries[index];
this.set(entry[0], entry[1]);
}
this.constructor = ListCache.prototype;
this.clear();
return this;
}

// Add methods to 'ListCache'.
ListCache.prototype.clear = listCacheClear;
ListCache.prototype['delete'] = listCacheDelete;
ListCache.prototype.get = listCacheGet;
ListCache.prototype.set = listCacheSet;

module.exports = ListCache;

// Support ES6 should accept primitives
S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
// "use strict";
var _undefined = require("../function/noop")(); // Support ES3 engines

module.exports = function (val) {
return (val !== _undefined) && (val !== null);
}

module.exports = function(module) {
	if (!module.webpackPolyfill) {
		module.deprecate = function() {};
		module.paths = [];
		// module.parent = undefined by default
		if (!module.children) module.children = [];
		Object.defineProperty(module, "loaded", {
			enumerable: true,
			get: function() {
				return module.l;
			}
		});
		Object.defineProperty(module, "id", {
			enumerable: true,
			get: function() {
				return module.i;
			}
		});
		module.webpackPolyfill = 1;
		return module;
}

castPath = require('./_castPath'),
toKey = require('./_toKey');

/**
 * The base implementation of `_.get` without support for default values.
 * @private
 * @param {Object} object
 * The object to query.
 * @param {Array|string} path
 * The path of the property to get.
 * @returns {*} Returns the resolved value.
 */
function _get(object, path, index) {
if (path instanceof RegExp) {
return object == null ? void 0 : _get(object, path.source, index);
}
var pathArray = castPath(path, index);
path = toKey(pathArray);
var objectLength = object == null ? 0 : object.length;
var pathLength = pathArray.length;
if (objectLength < pathLength) return void 0;
var result = object; 
for (var i = 0; i < pathLength; i++) {
var key = pathArray[i];
if (isKey(key)) {
result = result[key];
} else {
var toPath = castPath(key, index);
var toKey = toPath[0];
result = result[toKey] ? result[toKey] : void 0;
if (result == undefined) return void 0;
}
}

/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
var getNative = require('./_getNative');

/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
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var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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module.exports = nativeCreate;

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*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

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var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

// most Object methods by ES6 should accept primitives
*S = (S !== void 0 ? (typeof S == 'object' && S instanceof Object) ? S : {} : void 0);
/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;
path) {
    path = castPath(path, object);
    var index = 0;
    length = path.length;
    while (object != null && index < length) {
      object = object[toKey(path[index++])];
    }
    return (index && index == length) ? object : undefined;
  }

module.exports = baseGet;

/**
 * A specialized version of `_.every` for arrays without
 * support for iteratee shorthands.
 */
var _every$ = _private$ @ param [Array] [array] The array to iterate over;
* @param {Function} predicate The function invoked per iteration.
  * @returns {boolean} Returns `true` if all elements pass the
  * predicate check, else `false`.
*/
function every$() {
  var array = arrayEvery(array, predicate);
  return array;
}

module.exports = every$;

/**
 * Checks if `value` is classified as an `Array` object.
 */
var isArray = Array.isArray;

module.exports = isArray;

var assocIndexOf = require('./_assocIndexOf');

/**
 * Sets the list cache `key` to `value`.
 */
function set$() {
  var data = this.__data__,
      index = assocIndexOf(data, key);
  if (index < 0) {
    ++this.size;
    data.push([key, value]);
  } else {
    data[index][1] = value;
  }
  return this;
}

module.exports = set$;

// to indexed object, toObject with fallback for non-array-like
// ES3 strings
var IObject = require('./_iobject');
var defined = require('./_defined');
module.exports = function(it) {
  return IObject(defined(it));
};

var hasOwnProperty = {}.hasOwnProperty;
module.exports = function(it, key) {
  return hasOwnProperty.call(it, key);
};

var assocIndexOf = require('./_assocIndexOf');

/**
 * Removes `key` and its value from the list cache.
 */
function delete$() {
  var data = this.__data__,
      index = assocIndexOf(data, key);
  if (index < 0) {
    return false;
  }
  var lastIndex = data.length - 1;
  if (index == lastIndex) {
    data.pop();
  } else {
    splice.call(data, index, 1);
  }
  --this.size;
  return true;
}

module.exports = delete$;

// 7.1.1 ToPrimitive(input [, PreferredType])
var isObject = require('./_is-object');
// instead of the ES6 spec version, we didn't implement
// @@toPrimitive case
// and the second argument - flag - preferred type is a string
module.exports = function(it, S) {
  if (!isObject(it)) return it;
  var fn, val;
  if (S && typeof fn = it.toString == function) {
    function & & !isObject(val = fn.call(it))) return val;
  } else {
    return TypeError('Can't convert object to primitive value');
  };
  * * * A specialized version of `_.reduce` for arrays without
  * support for iteratee shorthands.
  * @param {Array} [array] The array to iterate over;
  * @param {Function} callback The function invoked per iteration.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
  */
function reduce$() {
  var accumulator = [initAccum] Specify using the first element of `array` as
  * the initial value.
  * @returns {value} The value to return.
Returns the accumulated value.

```javascript
function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
      length = array == null ? 0 : array.length;
  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;
```

```javascript
var arrayEach = require('./_arrayEach'),
    baseEach = require('./_baseEach'),
    castFunction = require('./_castFunction'),
    isArray = require('./isArray');

/**
 * Iterates over elements of `collection` and invokes `iteratee` for each element.
 * The iteratee is invoked with three arguments: (value, index|key, collection).
 * Iteratee functions may exit iteration early by explicitly returning `false`.
 * Note:** As with other "Collections" methods, objects with a `\`length\` property are iterated like arrays. To avoid this behavior use `_.forIn` or `_.forOwn` for object iteration.

 * @static
 * @memberOf _
 * @since 0.1.0
 * @alias each
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} [iteratee=_.identity] The function invoked per iteration.
 * @returns {Array|Object} Returns `collection`.
 * @see _.forEachRight
 */
function forEach(collection, iteratee) {
  var func = isArray(collection) ? arrayEach : baseEach;
  return func(collection, castFunction(iteratee));
}

module.exports = forEach;
```

```javascript
// extracted by mini-css-extract-plugin
"import mod from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./DonateForm.vue?vue&type=style&index=0&lang=scss&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./DonateForm.vue?vue&type=script&lang=javascript&";
```

```javascript
var arrayEach = require('./_arrayEach'),
    baseEach = require('./_baseEach'),
    castFunction = require('./_castFunction'),
    isArray = require('./isArray');

function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
      length = array == null ? 0 : array.length;
  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;
```

```javascript
var arrayEach = require('./_arrayEach'),
    baseEach = require('./_baseEach'),
    castFunction = require('./_castFunction'),
    isArray = require('./isArray');

function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
      length = array == null ? 0 : array.length;
  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;
```

```javascript
var arrayEach = require('./_arrayEach'),
    baseEach = require('./_baseEach'),
    castFunction = require('./_castFunction'),
    isArray = require('./isArray');

function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
      length = array == null ? 0 : array.length;
  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;
```

```javascript
var arrayEach = require('./_arrayEach'),
    baseEach = require('./_baseEach'),
    castFunction = require('./_castFunction'),
    isArray = require('./isArray');

function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
      length = array == null ? 0 : array.length;
  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;
```
root = require('./_root');

/* Built-in method references that are verified to be native. */

var Map = getNative(root, 'Map');

module.exports = Map;

module.exports = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return true;
  }
};

var nativeCreate = require('./_nativeCreate');

/** Used for built-in method references. */

var objectProto = Object.prototype;

/** Used to check objects for own properties. */

function hashHas(key) {
  var data = this.__data__;
  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data, key);
}

module.exports = hashHas;

// Underscore-to-camelCase converter (and vice versa)

var _processKeys = function(convert, obj, options) {
  if(!_isObject(obj) || _isDate(obj) || _isRegExp(obj) || _isBoolean(obj) || _isFunction(obj)) {
    return obj;
  }

  var output, i = 0, l = 0;

  if(_isArray(obj)) {
    output = [];
    for(l=obj.length; i<l; i++) {
      output.push(_processKeys(convert, obj[i], options));
    }
  }
  else {
    output = {};
    for(var key in obj) {
      if(Object.prototype.hasOwnProperty.call(obj, key)) {
        output[convert(key, options)] = _processKeys(convert, obj[key], options);
      }
    }
  }
  return output;
}

var _isNumerical = function(obj) {
  obj = obj - 0;
  return obj === obj;
};

var humps = {
  camelize: camelize,
  decamelize: decamelize,
  pascalize: pascalize,
  depascalize: decamelize,
  camelizeKeys: function(object, options) {
    return _processKeys(convert, object, options); // Ensure 1st char is always lowercase
  },
  decamelizeKeys: function(object, options) {
    return _processKeys(convert, object, options); // Ensure 1st char is always uppercase
  },
};
stack);\n});\n
module.exports = baseIsEqualDeep;\n","use strict";\n
module.exports = require("./is-implemented");\n});\n
Object.keys = require("/shim");\n"; \nvar Hash = require("/Hash");\n
ListCache = require("/ListCache");\n
Map = require("/Map");\n
/*\n*/\n
Removes all key-value entries from the map.\n\
@private\n* @name clear\n* @memberOf MapCache\n*/\n
function mapCacheClear() {\nthis.size = 0;\n
this._data__ = {\n  'hash': new Hash,\n  'map': new (Map || ListCache),\n  'string': new Hash\n};\n
mapCacheClear = require("./MapCacheClear");\narrayPush = require("/arrayPush");\n
isArray = require("/isArray");\n
*/\n
The base implementation of `getAllKeys` and `getAllKeysIn` which uses\n* `keysFunc` and `symbolsFunc` to get the enumerable property names and\n* symbols of `object`.\n\
@private\n* @param {Object} object The object to query.\n@returns {Array} Returns the array of property names and symbols.\n*/\n
function baseGetAllKeys(object, keysFunc, symbolsFunc) {\nvar result = keysFunc(object);\n
return isArray(object) ? result : arrayPush(result,\nsymbolsFunc(object));\n}

arrayEach = require("/arrayEach");\n
stackClear = require("/stackClear");\nstackDelete = require("/stackDelete");\nstackGet = require("/stackGet");\n
stackHas = require("/stackHas");\nstackSet = require("/stackSet");\n
/*\n*/\n
// Add methods to `Stack`.\n
Stack.prototype.clear = stackClear;\nStack.prototype['delete'] = stackDelete;\nStack.prototype.get = stackGet;\nStack.prototype.has = stackHas;\nStack.prototype.set = stackSet;\n
module.exports = Stack;

/** Used to stand-in for `undefined` hash values. */\n
HASH_UNDEFINED = '__lodash_hash_undefined__';\n
/**\n * Adds `value` to the array cache.\n *\n * @private\n * @name add\n * @memberOf SetCache\n * @alias push\n * @param {*} value The value to cache.\n * @returns {Object} Returns the cache instance.\n */\n
function setCacheAdd(value) {\n  this.__data__.set(value, HASH_UNDEFINED);\n  return this;
}

module.exports = setCacheAdd;

/**\n * A specialized version of `_.forEach` for arrays\n * without support for iteratee shorthands.\n *\n * @private\n * @param {Array} array The array to iterate\n * over.\n * @returns {Array} Returns `array`.\n */\n
function arrayEach(array, iteratee) {\n  var var index = -1,\n  length = array == null ? 0 : array.length;\n
  while (++index < length) {\n    (\n      if (iteratee(array[index], index, array) === false) {\n        break;\n      }\n    ) \n  }

  return
var unicode = 'f09a';
var svgPathData = 'M448 56.7v398.5c0 13.7-11.1 24.7-24.7 24.7H309.1V306.5h58.2l8.7-67.6h-67v-43.2c0-19.6 5.4-32.9 33.5-32.9h35.8v-60.5c-6.2-.8-27.4-2.7-52.2-2.7-51.6 0-87 31.5-87 89.4v49.9h-58.4v67.6h58.4V480H24.7C111 480 0 455.3V67.7C0 111 11 32 32 32H448 56.7
exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon:
    width,
    height,
    ligatures,
    unicode,
    svgPathData
};
exports.faFacebook = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;
"}
[Prototype];

exports.f = Object.getOwnPropertyNames || function getOwnPropertyNames(O) {
  return $keys(O, hiddenKeys);
};

exports.f = Object.getOwnPropertyNames || function getOwnPropertyNames(O) {
  return $keys(O, hiddenKeys);
};

/**
 * Creates a unary function that invokes `func` with its argument transformed.
 */

function overArg(func, transform) {
  return function(arg) {
    return func(transform(arg));
  };
}

module.exports = overArg;

var getMapData = require('./_getMapData');

/**
 * Removes `key` and its value from the map.
 */

function mapCacheDelete(key) {
  var result = getMapData(this, key)[delete](key);
  this.size -= result ? 1 : 0;
  return result;
}

module.exports = mapCacheDelete;

// ES2015 Symbol polyfill for environments that do not (or partially) support it

var d = require('d')
  , validateSymbol = require('./validate-symbol')
  , create = Object.create,
  defineProperties = Object.defineProperties
  , defineProperty = Object.defineProperty, objPrototype = Object.prototype
  , NativeSymbol, SymbolPolyfill, HiddenSymbol, globalSymbols = create(null)
  , isNativeSafe;

if (typeof Symbol === 'function') {
  NativeSymbol = Symbol;
  try {
    String(NativeSymbol());
    isNativeSafe = true;
  } catch (ignore) {}
}

var generateName = (function () {
  var created = create(null);
  return function (desc) {
    var postfix = 0, name, ie11BugWorkaround;
    while (created[desc + (postfix || '')]) ++postfix;
    desc += (postfix || '');
    created[desc] = true;
    name = '@@' + desc;
    defineProperty(objPrototype, name, d(gs(null, function (value) {
      // For IE11 issue see:
      // https://connect.microsoft.com/IE/feedbackdetail/view/1928508
      // ie11-broken-getters-on-dom-objects
      // https://github.com/medikoo/es6-symbol/issues/12
      if (ie11BugWorkaround)
        return;
      ie11BugWorkaround = true;
      defineProperty(this, name, d(value));
      ie11BugWorkaround = false;
    }));
  };}
}());

// Internal constructor (not one exposed) for creating Symbol instances.
// This one is used to ensure that `someSymbol instanceof Symbol` always return false

HiddenSymbol = function Symbol(description) {
  if (this instanceof HiddenSymbol) throw new TypeError('Symbol is not a constructor');
  return SymbolPolyfill(description);
};

// Exposed `Symbol` constructor
module.exports = SymbolPolyfill = function Symbol(description) {
  var symbol;
  if (this instanceof Symbol) throw new TypeError('Symbol is not a constructor');
  if (isNativeSafe) return NativeSymbol(description);
  symbol = create(HiddenSymbol.prototype);
  description = (description === undefined ? '' : String(description));
  defineProperties(symbol, {
    __description__: d('', description),
    __name__: d('', generateName(description))
  });
  defineProperties(SymbolPolyfill, {
    for: d(function (key) {
      defineGlobalSymbols(key) return globalSymbols[key];
    }, globalSymbols),
    key: d(function (s) {
      validateSymbol(s);
      return (globalSymbols[key] === s) return key;
    }, globalSymbols)
  });
  To ensure proper interoperability with other
  native functions (e.g. Array.from)
  fallback to eventual native implementation of given symbol
  hasInstance:
  d('', (NativeSymbol && NativeSymbol.hasInstance)) || SymbolPolyfill('hasInstance'),
  hasIsConcatSpreadable: d('', (NativeSymbol && NativeSymbol.isConcatSpreadable)) ||
  SymbolPolyfill('isConcatSpreadable'),
  hasIterator: d('', (NativeSymbol && NativeSymbol.iterator) ||
  SymbolPolyfill('iterator'),
  hasMatch: d('', (NativeSymbol && NativeSymbol.match) ||
  SymbolPolyfill('match'),
  hasReplace: d('', (NativeSymbol && NativeSymbol.replace) ||
  SymbolPolyfill('replace'),
  hasSearch: d('', (NativeSymbol && NativeSymbol.search) ||
  SymbolPolyfill('search'),
  hasSpecies: d('', (NativeSymbol && NativeSymbol.species) ||
  SymbolPolyfill('species'),
  hasToString: d('', (NativeSymbol && NativeSymbol.toString) ||
  SymbolPolyfill('toString'),
  hasToPrimitive: d('', (NativeSymbol && NativeSymbol.toPrimitive) ||
  SymbolPolyfill('toPrimitive'),
  hasToStringTag: d('', (NativeSymbol && NativeSymbol.toStringTag) ||
  SymbolPolyfill('toStringTag'),
  hasUnscopables: d('', (NativeSymbol && NativeSymbol.unscopables) ||
  SymbolPolyfill('unscopables') &&
  Internal tweaks for real symbol
  producer
  defineProperties(HiddenSymbol.prototype, {
    constructor: d(SymbolPolyfill),
    toString: d('', function () { return this.__name__; })
  });

// Proper implementation of methods exposed on Symbol.prototype
// They won't be accessible on produced symbol instances as they derive from

Open Source Used In APIC-SE-BATMAN v2.0.1  19356
HiddenSymbol.prototype.undefineProperties(SymbolPolyfill.prototype, {toString: d(function () { return 'Symbol (' + validateSymbol(this).__description__ + ')'; })});

undefineProperty(SymbolPolyfill.prototype, SymbolPolyfill.toPrimitive, d("", function () {return validateSymbol(this);});

var SymbolPolyfill.prototype = SymbolPolyfill.toPrimitive();

var isArrayLike = require('./isArrayLike');

/**
 * Creates a `baseEach` or `baseEachRight` function.
 * @param {Array} [fromRight] Specify iterating from right to left.
 * @returns {Function} Returns the new base function.
 */
function createBaseEach(eachFunc, fromRight) {

  return function(collection, iteratee) {
    if (collection == null) {
      return collection;
    }
    if (!isArrayLike(collection)) {
      return eachFunc(collection, iteratee);
    }
    var length = collection.length,
        index = fromRight ? length : -1,
        iterable = Object(collection);

    while ((fromRight ? index-- : ++index < length)) {
      if (iteratee(iterable[index], index, iterable) === false) {
        break;
      }
    }
    return collection;
  };
}

module.exports = createBaseEach;

/*
 * Creates a `baseGetTag` function to get the tag from an object.
 * @param {*} value The value to get the tag of.
 * @returns {string} Returns the tag.
 */
function baseGetTag(value) {
  return baseGetTag(value) || String(typeof value);
}

/**
 * Performs a `SameValueZero` comparison between two values to determine if they are equivalent.
 */
function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;
data[1];

if (noCustomizer && data[2]) {
  if (objValue === undefined &
      & !(key in object)) {
    return false;
  } else {
    var stack = new Stack;
    if (customizer) {
      var result = customizer(objValue,
        srcValue, key, object, source, stack);
    } else if (!result === undefined) {
      baseIsEqual(srcValue,
        objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG,
        customizer, stack);
    } else {
      var stack = new Stack;
      if (customizer) {
        var result = customizer(objValue,
          srcValue, key, object, source, stack);
      }
      if (!(result === undefined
            ? baseIsEqual(srcValue,
            objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG,
            customizer, stack)
            :
            result)) {
        return false;
      }
    }
  }
  return true;
}

module.exports = baseIsMatch;

"use strict";

var isValue = require("./is-value");

module.exports = function (value) {
  if (!isValue(value)) throw new TypeError("Cannot use null or undefined.");
  return value;
};

var baseEach = require('./_baseEach'),
    isArrayLike = require('./isArrayLike');

/**
 * The base implementation of `_.map` without support for iteratee shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */
function baseMap(collection, iteratee) {
  var index = -1,
      result = isArrayLike(collection) ?
        Array(collection.length) : [];

  baseEach(collection, function(value, key, collection) {
    result[++index] = iteratee(value, key, collection);
  });
  return result;
}

module.exports = baseMap;

/**
 * Creates a base function for methods like `_.forEach`, `_.forIn` and `_.forOwn`.
 *
 * @private
 * @param {Array|string} [fromRight] Specify iterating from right to left.
 * @returns {Function} Returns the new base function.
 */
function createBaseFor(fromRight) {
  return function(object, iteratee, keysFunc) {
    var index = -1,
        iterable = Object(object),
        props = keysFunc(object),
        length = props.length;

    while (length--) {
      var key = fromRight ? length : ++index;
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return object;
  };
}

module.exports = createBaseFor;

var freeGlobal = require('./_freeGlobal');

/** Detect free variable `exports`.
 */
var freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;

/** Detect free variable `module`.
 */
var freeModule = freeExports && typeof module == 'object' && module && !module.nodeType && module;

/** Detect the popular CommonJS extension `module.exports`.
 */
var moduleExports = freeGlobal && freeGlobal.exports === freeExports;

/** Used to access faster Node.js helpers.
 */
var nodeUtil = (function() {
  try {
    // Use `util.types` for Node.js 10+.
    var types = freeModule && freeModule.require &&
      freeModule.require('util').types;

    if (types) {
      return types;
    }

    // Legacy `process.binding('util')` for Node.js < 10.
    return freeProcess && freeProcess.binding && freeProcess.binding('util');
  } catch (e) {
  }
}());

module.exports = nodeUtil;

var eq = require('./eq'),
    isArrayLike = require('./isArrayLike'),
    isIndex = require('./_isIndex'),
    isObject = require('./isObject');

/**
 * Checks if the given arguments are from an iteratee call.
 *
 * @private
 * @param {*} value The potential iteratee value argument.
 * @param {*}
 * @param {boolean} [fromRight] Specify iterating from right to left.
 * @returns {boolean} Returns `true` if the arguments are from an iteratee call,
 *  else `false`.
 */
function isIterateeCall(value, index, object) {
  if (!isObject(object)) {
    return false;
  }
  var type = typeof index;
  if (type == 'number'
      ? (isArrayLike(object) && isIndex(index, object.length))
      : (type == 'string' && index
          in object)) {
    return eq(object[index], value);
  }
  return false;
}

module.exports = isIterateeCall;

var baseGet = require('./_baseGet');

/**
 * Gets the value at `path` of `object`. If the resolved
 * value is `undefined`, the `defaultValue` is returned in its place.
 *
 * @static
 * @memberOf _
 * @since 3.7.0
 * @category Object
 * @param {Object} object The object to query.
 * @param {Array|string} path The path of the property to get.
 * @param {Object} [defaultValue] The value returned for `'undefined` resolved values.
 * @returns {*} Returns the resolved value.
 */
function get(object, path, defaultValue) {
  var baseGet = require('./_baseGet');
  return baseGet(object, path, defaultValue);
}

module.exports = get;

// optional / simple context binding

var aFunction = require('./_a-function');
module.exports = function (fn, that, length) {
  fn = aFunction(fn); // fallback for core functions
  if (that === undefined) return fn;
  switch (length) {
    case 1:
      return function (arg) {
        return fn.call(this, arg);
      };
    case 2:
      return function (arg, other) {
        return fn.call(this, arg, other);
      };
    case 3:
      return function (arg, other, rest) {
        return fn.call(this, arg, other, rest);
      };
    default:
      return function () {
        return fn.apply(this, arguments);
      };
  }
};
fn.apply(that, arguments);

"use strict";

module.exports = function (obj) {
  return typeof obj === "function";
};

module.exports = function (exec) {
  try {
    return { e: false, v: exec() };
  } catch (e) {
    return { e: true, v: e };
  }
};

function (obj) {
  return typeof obj === "function";
}

var UNSCOPABLES = require('./_wks')('unscopables');
var ArrayProto = Array.prototype;
if (ArrayProto[UNSCOPABLES] == undefined)
require('./_hide')(ArrayProto, UN
var Symbol = require('./_wks')('symbol');

var global = require('./_global');
var navigator = global.navigator;
var SetCache = require('./_SetCache'),
    arraySome = require('./_arraySome'),
    cacheHas = require('./_cacheHas');

/**
 * Checks if a map value for `key` exists.
 * @private
 * @name has
 * @memberOf MapCache
 * @param {string} key The key of the entry to

Open Source Used In APIC-SE-BATMAN v2.0.1 19359
check.
* @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.

```javascript
function mapCacheHas(key) {
  return getMapData(this, key).has(key);
}
```

```javascript
module.exports = mapCacheHas;
```

```javascript
'use strict';
// 25.4.1.5 NewPromiseCapability(C)
var aFunction = require('./_a-function');

function PromiseCapability(C) {
  var resolve, reject;
  this.promise = new C(function ($$resolve, $$reject) {
    if (resolve !== undefined || reject !== undefined) throw TypeError('Bad Promise constructor');
    resolve = $$resolve;
    reject = $$reject;
  });
  this.resolve = aFunction(resolve);
  this.reject = aFunction(reject);
}
```

```javascript
module.exports = PromiseCapability;
```

```javascript
var isObject = require('./_is-object');
var cof = require('./_cof');
var MATCH = require('./_wks')('match');
module.exports = function (it) {
  var isRegExp;
  return isObject(it) && ((isRegExp = it[MATCH]) !== undefined ? !!isRegExp : cof(it) == 'RegExp');
};
```

```javascript
/**
 * Converts `set` to an array of its values.
 *
 * @private
 * @param {Object} set The set to convert.
 * @returns {Array} Returns the values.
 */
function setToArray(set) {
  var index = -1,
      result = Array(set.size);

  set.forEach(function(value) {
    result[++index] = value;
  });
  return result;
}
```

```javascript
var $iterators = require('./es6.array.iterator');
var getKeys = require('./_object-keys');
var redefine = require('./_redefine');
var global = require('./_global');
var hide = require('./_hide');
var Iterators = require('./_iterators');
var wks = require('./_wks');
var ITERATOR = wks('iterator');
var TO_STRING_TAG = wks('toStringTag');
var ArrayValues = Iterators.Array;

var DOMIterables = {
  CSSRuleList: true, // TODO: Not spec compliant, should be false.
  CSSStyleDeclaration: false, // TODO: Not spec compliant, should be false.
  CSSValueList: false, // TODO: Not spec compliant, should be false.
  ClientRectList: false,
  DOMRectList: false,
  DOMStringList: false,
  DOMTokenList: false,
  DOMException: false,
  DOMExceptionList: false,
  HTMLAllCollection: false,
  HTMLCollection: false,
  HTMLFormElement: false,
  HTMLSelectElement: false,
  MediaList: true, // TODO: Not spec compliant, should be false.
  MIMETypeArray: false,
  NamedNodeMap: false,
  NodeList: true,
  PaintRequestList: false,
  Plugin: false,
  PluginArray: false,
  SVGLengthList: false,
  SVGNumberList: false,
 SVGPathSegList: false,
  SVGPointList: false,
  SVGStringList: false,
  SVGTPathSegList: false,
  SourceBufferList: false,
  StyleSheetList: true, // TODO: Not spec compliant, should be false.
  TextTrackCueList: false,
  TextTrackList: false,
  TouchList: false,
  URL: false,
  URLSearchParams: false,
  URLSearchParamsList: false,
  fetch: false,
  Headers: false,
  URLConstructor: false,
  global: false,
  globalThis: false,
  Promise: false,
  defined: false,
  JSON: false,
  SafeRangeError: false,
  String: false,
  ArrayBuffer: false,
  DataView: false,
  DataViewView: false,
  DataViewInt8Array: false,
  ArrayBufferView: false,
  ArrayBufferInt8Array: false,
  DataViewInt16Array: false,
  DataViewInt32Array: false,
  DataViewFloat32Array: false,
  DataViewFloat64Array: false,
  URLSearchParamsPolyfill: false,
  globalThis: false,
  global: false,
  globalThis: false,
  Promise: false,
  defined: false,
  JSON: false,
  SafeRangeError: false,
  String: false,
  ArrayBuffer: false,
  DataView: false,
  DataViewView: false,
  DataViewInt8Array: false,
  ArrayBufferView: false,
  ArrayBufferInt8Array: false,
  DataViewInt16Array: false,
  DataViewInt32Array: false,
  DataViewFloat32Array: false,
  DataViewFloat64Array: false,
  URLSearchParamsPolyfill: false,
  globalThis: false,
  global: false,
  globalThis: false,
  Promise: false,
  defined: false,
```javascript
// The require function
function __webpack_require__(moduleId) {
    return require installeedModules[moduleId].exports;
}

// Load entry module and return exports
function __webpack_require__(_webpack_require__p = undefined) {
    return require installeedModules[moduleId].exports;
}

// Define getter function for harmony exports
function __webpack_require___.o(exports, name) {
    return exports[typeof exports == 'undefined' ? Symbol : 'undefined'].defineProperty(exports, name, { enumerable: true, get: getter });
}

// Expose the module
__webpack_require__.p = '';

// Load entry module and return exports
function __webpack_require___.load(entry) {
    return require installeedModules[moduleId].exports;
}

// Define getter function for harmony exports
function __webpack_require___.f(module.exports, name) {
    return exports[typeof exports == 'undefined' ? Symbol : 'undefined'].defineProperty(exports, name, { enumerable: true, get: getter });
}
```

```javascript
var _typeof = typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol' ? function (obj) { return typeof obj; } : function (obj) {
    return obj && typeof Symbol === 'function' && obj.constructor === Symbol && obj !== Symbol.prototype ? 'symbol' : typeof obj; };

var _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if ('value' in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();

var _clipboardAction = __webpack_require__(1);

var _clipboardAction2 = _interopRequireDefault(_clipboardAction);

var _tinyEmitter = __webpack_require__(3);

var _tinyEmitter2 = _interopRequireDefault(_tinyEmitter);

var _goodListener = __webpack_require__(4);

var _goodListener2 = _interopRequireDefault(_goodListener);

function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function"); } }

function _assert佥uee() { throw new TypeError("You must specify property getters and setters for ".slice(0, -1) + "s."); }
```javascript
var attribute = 'data-clipboard-' + suffix;

    if (!element.hasAttribute(attribute)) {
        return;
    }

    return

/**
 * @param {String} suffix
 * @param {Element} element
 */


function getAttributeValue(suffix, element) {

    return Clipboard;
}(_tinyEmitter2.default);

/**
 * Helper function to retrieve attribute value.
 * @param {Element} trigger
 * @param {Object} options
 * @param {Function} callback
 */

func
```
try {
    succeeded = document.execCommand(this.action);
} catch (err) {
    succeeded = false;
}

/**
 * Executes the copy operation based on the current selection.
 */

this.copyText();

/**
 * Only removes the fake element after another click event, that way
 * a user can hit 'Ctrl+C' to copy because selection still exists.
 */

removeFake():

this.fakeHandlerCallback = function () {
    return value == options.target;
    this.container = options.container;
    this.emitter = options.emitter;
    this.text = options.text;
    this.trigger = options.trigger;

    this.selectedText = (0, _select.default)(this.fakeElem);

    this.fakeElem.setAttribute('readonly', '');
    this.fakeElem.value = this.text;

    var yPosition = window.pageYOffset || document.documentElement.scrollTop;
    this.fakeElem.style.top = yPosition + 'px';
    this.fakeElem.style.border = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.fontSize = '12pt';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.border = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.fontSize = '12pt';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeElem.style.fontStyle = 'normal';
    this.fakeElem.style.fontFamily = 'Arial';
    this.fakeElem.style.fontWeight = 'normal';
    this.fakeElem.style.fontVariant = 'normal';
    this.fakeElem.style.fontStretch = 'normal';
    this.fakeEl...
emit*or/commit/c6ebfa9bc973b33d110a84a307742b7cf94c953#commitcomment-5024910

(liveEvents.length)
      ? e[name] = liveEvents
      : delete e[name];

    return this;
  }
};

module.exports

/***/ }),
/* 4 */
/***/ (function(module, exports, __webpack_require__) {

var is = __webpack_require__(5);
var delegate = __webpack_require__(6);

/**
 * Validates all params and calls the right
 * listener function based on its target type.
 * 
 * @param {String|HTMLElement|HTMLCollection|NodeList} target
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listen(target, type, callback) {
    if (!target && !type && !callback)

        throw new Error('Missing required arguments');

    if (!is.string(type)) {
        throw new TypeError('Second argument must be a String');
    }

    if (!is.fn(callback)) {
        throw new TypeError('Third argument must be a Function');
    }

    if (is.node(target)) {
        return listenNode(target, type, callback);
    }
    else if (is.nodeList(target)) {
        return listenNodeList(target, type, callback);
    } else if

    (
        (is.string(target))
        
    )

    return return listenSelector(target, type, callback);

} else {
    throw new TypeError('First argument must be a String, HTMLDocument, HTMLCollection, or NodeList');
}

/**
 * Adds an event listener to a HTML element and returns a remove listener function.
 * 
 * @param {HTMLElement} node
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenNode(node, type, callback) {
    node.addEventListener(type, callback);

    return {
        destroy: function() {
            node.removeEventListener(type, callback);
        }
    }
}

/**
 * Add an event listener to a list of HTML elements and returns a remove listener function.
 * 
 * @param {NodeList|HTMLCollection} nodeList
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenNodeList(nodeList, type, callback) {
    Array.prototype.forEach.call(nodeList,

        function(node) {
            node.addEventListener(type, callback);
        });

    return {
        destroy: function() {
            Array.prototype.forEach.call(nodeList,

                function(node) {
                    node.removeEventListener(type, callback);
                });
        }
    }
}

/**
 * Add an event listener to a selector and returns a remove listener function.
 * 
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenSelector(selector, type, callback) {
    return delegate(document.body, selector, type,

        callback);
}

module.exports = listen;


/***/ }),
/* 5 */
/***/ (function(module, exports) {

/**
 * Check if argument is a HTML element.
 * 
 * @param {Object} value
 * @return {Boolean}
 */
exports.node = function(value) {
    return value !== undefined
        && value instanceof HTMLElement
        && value.nodeType === 1;
};

/**
 * Check if argument is a list of HTML elements.
 * 
 * @param {Object} value
 * @return {Boolean}
 */
exports.nodeList = function(value) {
    var type = Object.prototype.toString.call(value);

    return value !== undefined
        && (type === '[object NodeList]' ||

            type === '[object HTMLCollection]')
        
        && (value.length !== 0)

        && exports.node(value[0]);
};

/**
 * Check if argument is a string.
 * 
 * @param {Object} value
 * @return {Boolean}
 */
exports.string = function(value) {
    return typeof value === 'string'
        || value instanceof String;
};

/**
 * Check if argument is a function.
 * 
 * @param {Object} value
 * @return {Boolean}
 */
exports.fn = function(value) {
    var type = Object.prototype.toString.call(value);

    return type === '[object Function]';
};


/***/ }),
/* 6 */
/***/ (function(module, exports, __webpack_require__) {

var closest = __webpack_require__(7);

/**
 * Delegates event to a selector.
 * 
 * @param {Element} element
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @param {Boolean} useCapture
 * @return {Object}
 */
function _delegate(element, selector, type, callback, useCapture) {
    var listenerFn = listener.apply(this, arguments);

    element.addEventListener(type, listenerFn, useCapture);

    return {
        destroy: function() {
            element.removeEventListener(type, listenerFn, useCapture);
        }
    }
}

/**
 * Delegates event to a selector.
 * 
 * @param {Element|String|Array} elements
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @param {Boolean} useCapture
 * @return {Object}
 */
function delegate(elements, selector, type, callback, useCapture) {
    // Handle the regular Element

        usage
    
    usage
    if (typeof elements.addEventListener === 'function') {
        return _delegate.apply(null, arguments);
    }

    // Handle Element-less usage, it defaults to global delegation

    if (typeof elements.addEventListener === 'function') {
        return return delegate(document.body, selector, type,

        callback);
    }

    // Use `document` as the first parameter, then apply arguments

    if (value) {
        return return delegate(document.body, selector, type,

        callback);
    }

    return return delegate(document.body, selector, type,

        callback);
}

module.exports = delegate;
without running into deoptimizations
    return _delegate.bind(null, document).apply(null, arguments);
}

// Handle Selector-based usage
if (type !== 'function') {
    var element = document.querySelectorAll(elements);
}

// Handle Array-like based usage
var result = Array.prototype.map.call(elements, function (element) {
    return _delegate(element, selector, type, callback, useCapture);
});

// Handle String-based usage
if (typeof elements === 'string') {
    elements = document.querySelectorAll(elements);
}

// Handle Element.prototype.matches based usage
if (typeof proto.matchesSelector === 'function') {
    result = proto.matchesSelector(document, elements);
}

// Handle HTMLElement-based usage
if (arguments[0] && (arguments[0].nodeType === 1)) {
    result = arguments[0].querySelectorAll(elements);
}

// Handle List-based usage
if (arguments[0] && (Array.isArray(arguments[0]))) {
    result = arguments[0].map(function (element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}

// Handle Symbol-based usage
if (typeof Symbol !== 'undefined') {
    var result = Symbol.iterator.call(elements);
}

function listener(element, selector, type, callback) {
    return function (e) {
        e.delegateTarget = closest(e.target, selector);
        if (e.delegateTarget) {
            callback.call(element, e);
        }
    }
}

/**
 * Finds the closest parent
 * that matches a selector.
 *
 * @param {Element} element
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Function}
 */
function closest (element, selector) {
    while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
        if (typeof element.matches === 'function' &&
            element.matches(selector)) {
            return element;
        }
        element = element.parentNode;
    }
}

module.exports = closest;

/**
 * A polyfill for Element.matches
 */
if (typeof Element !== 'undefined' && !Element.prototype.matches) {
    var proto = Element.prototype;
    proto.matches = proto.matchesSelector ||
                    proto.mozMatchesSelector ||
                    proto.msMatchesSelector ||
                    proto.oMatchesSelector ||
                    proto.webkitMatchesSelector;
}

/**
 * Finds the closest match and invokes callback.
 *
 * @param {Element} element
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Function}
 */
function delegate (element, selector, type, callback, useCapture) {
    return function (e) {
        e.delegateTarget = closest(e.target, selector);
        if (e.delegateTarget) {
            callback.call(element, e);
        }
    }
}

module.exports = delegate;
newPromiseCapability.f(C);
  var resolve = promiseCapability.resolve;
  resolve(x);
  return promiseCapability.promise;
},
  promiseCapability.resolve;
  resolve(x);
  return promiseCapability.promise;
};

// 7.2.1 RequireObjectCoercible(argument)
module.exports = function (it) {
  if (it == undefined) throw TypeError("Can't call method on " + it);
  return it;
};

function _defineProperties(target, props) {
  for (var i = 0; i < props.length; i++) {
    var descriptor = props[i];
    descriptor.enumerable = descriptor.enumerable || false;
    descriptor.configurable = true;
    if (typeof value in descriptor) descriptor.writable = true;
    Object.defineProperty(target, descriptor.key, descriptor);
  }
};

export default function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps)
    _defineProperties(Constructor.prototype, protoProps);
  if (staticProps)
    _defineProperties(Constructor, staticProps);
  return Constructor;
}

var baseIsEqualDeep = require('./_baseIsEqualDeep'),
    isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.isEqual` which supports partial comparisons
 * and tracks traversed objects.
 * 
 * @private
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @param {boolean} bitmask The bitmask flags.
 *  1 - Unordered comparison
 *  2 - Partial comparison
 * @param {Function} [customizer] The function to customize comparisons.
 * @param {Object} [stack] Tracks traversed objects.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 */
function baseIsEqual(value, other, bitmask, customizer, stack) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other)))
    return value !== value && other !== other;
  return baseIsEqualDeep(value, other, bitmask, customizer, baseIsEqual, stack);
}

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License) */

var noop = function () {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {}

var _ref = _WINDOW.navigator || {};
var _ref$userAgent = _ref.userAgent;
var userAgent = _ref$userAgent === undefined ? '' : _ref$userAgent;

WINDOW = _WINDOW;
DOCUMENT = _DOCUMENT;
MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
PERFORMANCE = _PERFORMANCE;

var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.createElement === 'function';
var IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');

NAMESPACE_IDENTIFIER = '__FONT_AWESOME__';

var DEFAULT_FAMILY_PREFIX = 'fa';
var DEFAULT_REPLACEMENT_CLASS = 'svg-inline--fa'
var DATA_FA_I2SVG = 'data-fa-i2svg';
var DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';
var DATA_ICON = 'data-icon';
var HTML_CLASS_I2SVG_BASE_CLASS = 'fontawesome-i2svg';

var production = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
};

var oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];

var TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS = ['HTML', 'HEAD', 'STYLE', 'SCRIPT'];

new Promise(function(resolve, reject) {
  resolve(true);
});
function(target) {
    if (Object.prototype.hasOwnProperty.call(target, 'key')) {
        target[key] = source[key];
    } else if (Symbol.iterator) {
        i !== i || (i = i.next()).done; if (n === undefined) { n = true; }
        _arr.push(_s.value);
    } finally {
        try {
            if (i & $.arr[i]('return') || i !== i || $i('return') || i)
        _i['return']();
    } finally {
        if (_d) throw e;
    } return arr;
}

if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i];
    return arr2;
} else {
    return Array.from(arr);
}

var initial = WINDOW.FontAwesomeConfig || {};

function getAttrConfig(attr) {
    var element = DOCUMENT.querySelector('script[' + attr + ']');
    if (element) {
        return element.getAttribute(attr);
    }
}

function coerce(val) {
    // Getting an empty string will occur if the attribute is
    // set on the HTML tag but without a value
    // We'll assume that this is an indication that it should be toggled to
    // true
    // For example <script data-search-pseudo-elements src="..."></script>
    if (val === '') return true;
    if (val === 'false') return false;
    if (val === 'true') return true;
    return val;
}

if (DOCUMENT && typeof DOCUMENT.querySelector === 'function') {
        var _ref2 = slicedToArray(_ref, 2),
            attr = _ref2[0],
            key = _ref2[1];
        var val = coerce(getAttrConfig(attr));
        if (val !== undefined && val !== null) {
            initial[key] = val;
        }
    });
}

var _default = _extends({
    familyPrefix: DEFAULT_FAMILY_PREFIX,
    replacementClass: DEFAULT_REPLACEMENT_CLASS,
    autoReplaceSvg: true,
    autoAddCss: true,
    autoA11y: true,
    searchPseudoElements: false,
    observeMutations: true,
    keepOriginalSource: true,
    measurePerformance: false,
    showMissingIcons: true
}, initial);

if (!_default.autoReplaceSvg) _default.observeMutations = false;

var config = _extends({}, _default);

WINDOW.FontAwesomeConfig = config;

var w = WINDOW || {};

if (!w[NAMESPACE_IDENTIFIER]) w[NAMESPACE_IDENTIFIER] = {};
if (!w[NAMESPACE_IDENTIFIER].styles) w[NAMESPACE_IDENTIFIER].styles = {};
if (!w[NAMESPACE_IDENTIFIER].hooks) w[NAMESPACE_IDENTIFIER].hooks = {};
if (!w[NAMESPACE_IDENTIFIER].shims) w[NAMESPACE_IDENTIFIER].shims = [];

var namespace = w[NAMESPACE_IDENTIFIER];

var functions = [];
var listener = function listener() {
    DOCUMENT.removeEventListener('DOMContentLoaded', listener);
    loaded = 1;
    functions.map(function (fn) {
        return fn();
    });
}

var idPool = '0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';

function nextUniqueId() { return idPool.charAt(Math.floor(Math.random() * idPool.length)); }
children.push({
  tag: 'g',
  attributes: _extends({}, trans.outer),
  children: [{
    tag: 'g',
    attributes: _extends({}, trans.inner),
    children: [{
      tag: 'main',
      main: main,
      attributes: _extends({}, main.attributes, trans.path)
    }]
  }]
})
else {
  children.push(main);
}

return {
  children: children,
  attributes: attributes
}
}

var asIcon = function (_ref) {
  var children = _ref.children,
      main = _ref.main,
      mask = _ref.mask,
      attributes = _ref.attributes,
      styles = _ref.styles,
      transform = _ref.transform;

  if (transformIsMeaningful(transform) && main.found && mask.found) {
    var width = main.width,
        height = main.height;
    var offset = {
      x: width / height / 2,
      y: 0.5
    };
    attributes['style'] = joinStyles(_extends({}, styles, {'transform-origin': offset.x + transform.x / 16 + 'em ' + (offset.y + transform.y / 16) + 'em'})),
    return {
      children: children,
      attributes: attributes
    }
  }

  var val = [
    { tag: 'svg',
      attributes: attributes
    }
  ];

  if (title) {
    val.push({
      tag: 'title',
      attributes: attributes
    });
  }

  var startCentered = true,
      width = width,
      height = height;
  var styles = _extends({}, extra.styles);
  if (styles.length > 0) {
    var transform = transformForCss(styles),
        startWidth = startWidth + Math.ceil(width / height * 16),
        startHeight = startHeight - Math.ceil(height / width * 16);
    var attributes = {
      class: class,
      'role': 'img',
      'xmlns': 'http://www.w3.org/2000/svg',
      'viewBox': '0 0 ' + startWidth + ' ' + startHeight
    };
    attributes['style'] = styles;
noop$2, measure: noop$2 } \n\nvar preamble = 'FA "5.5.0"';\nvar begin = function begin(name) {\n  p.mark(preamble + ' ' + name + ' begins');\n  return function () {\n    return end(name);\n  }\n}\n\nvar end = function end(name) {\n  p.mark(preamble + ' ' + name + ' ends');\n  p.measure(preamble + ' ' + name + ' begins', preamble + ' ' + name + ' + ends');\n}\n\nvar noop$1 = function noop$1() {};

function isWatched(node) {\n  var i2svg = node.getAttribute ? node.getAttribute(DATA_FA_I2SVG) : null;\n  return typeof i2svg === 'string';\n}\n
function getMutator() {\n  if (config.autoReplaceSvg === true) {\n    return mutators.replace;\n  }\n  var mutator = mutators[config.autoReplaceSvg];\n  return mutator || mutators.replace;\n}\n
function toHtml(abstractNodes) {\n  var tag = abstractNodes.tag,\n      _abstractNodes$attrib = abstractNodes.attributes,\n      attributes = _abstractNodes$attrib === undefined ? {} : _abstractNodes$attrib,\n      _abstractNodes$childr = abstractNodes.children,\n      children = _abstractNodes$childr === undefined ? [] : _abstractNodes$childr,\n      isWatched = isWatched,\n      noop$1 = function noop$1() {};

  return htmlEscape(tag + ' ' + joinAttributes(attributes) + ' ' + joinChildren(children.map(toHtml)));
}
node.parentNode.replaceChild(newNode, node);

newNode.innerHTML = newOuterHTML;

var nest = function nest(mutation) {
  var node = mutation[0],
      abstract = mutation[1];

  // If we already have a replaced node we do not want to continue nesting within it.
  if (node.parentNode === node) return;

  // Short-circuit to the standard replacement
  if (!~classArray(node).indexOf(config.replacementClass)) {
    delete abstract[0].attributes.style;
    var splitClasses = abstract[0].attributes.class.split(' ');
    reduce(function (acc, cls) {
      if (cls === config.replacementClass || cls.match(forSvg)) {
        acc[0].attributes.class = splitClasses.join(' ');
        acc[0].outerHTML = newOuterHTML;
      }
    }, { toNode: [], toSvg: [] });
    abstract[0].attributes.class = splitClasses.join(' ');
    node.parentNode.replaceChild(newNode, node);
    var returnAcc = [0];
    node.setAttribute('data-prefix', prefix);
    node.setAttribute('data-icon', iconName);
    node.setAttribute('class', abstract[0].attributes.class);
    node.innerHTML = newInnerHTML;
    return returnAcc;
  }

  // If we already have a replaced node we do not want to continue nesting within it.
  if (~classArray(node).indexOf(config.replacementClass)) {
    return mutators.replace(mutation);
  }

  var 
      forSvg = new RegExp(config.familyPrefix + '\-.*');

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');

  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');

  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

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  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');

  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');

  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');

  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');

  splitClasses.reduce(function (acc, cls) {
    if (cls === config.replacementClass || cls.match(forSvg)) {
      acc[0].attributes.byLigature = byLigature(config.familyPrefix, cls); return acc;
    }
  }, { toNode: [], toSvg: [] });

  // Delete old style attributes from the abstract
  delete abstract[0].attributes.style;

  var splitClasses = abstract[0].attributes.class.split(' ');
present to make the icon has been \n node.removeChild(alreadyProcessedPseudoElement); \n } else if (fontFamily) \n \n var prefix = ~['Light', 'Regular', 'Solid', 'Brands'].indexOf(fontFamily[1]) > STYLE_TO_PREFIX[fontFamily[1]] : FONT_WEIGHT_TO_PREFIX[fontWeight]; \n \n var iconName = byUnicode(prefix, toHex(content.length === 3 ? content.substr(1, 1) : content)); \n // Only convert the pseudo element in this :before/:after position into an icon if we haven't \n already done so with the same prefix and iconName \n if (!alreadyProcessedPseudoElement || !alreadyProcessedPseudoElement.getAttribute(DATA_PREFIX) !== prefix || !alreadyProcessedPseudoElement.getAttribute(DATA_ICON) !== iconName) {

  if (alreadyProcessedPseudoElement) {
    // Delete the old one, since we're replacing it with a new one
    node.removeChild(alreadyProcessedPseudoElement);
  }

  var extra = blankMeta.extra;

  extra.attributes[DATA_FA_PSEUDO_ELEMENT] = pos;

  var abstract = makeInlineSvgAbstract(_extends({}, blankMeta, {
    icons: {
      main: findIcon(iconName, prefix),
      mask: emptyCanonicalIcon()
    },
    prefix: prefix,
    iconName: iconName,
    extra: extra,
    watchable: true
  }));

  var element = DOCUMENT.createElement('svg');

  if (pos === ':before') {
    node.insertBefore(element, node.firstChild);
  } else {
    node.appendChild(element);
  }

  element.innerHTML = abstract.map(function (a) {
    return toHtml(a);
  }).join('
');
}

function onTree(root) {

  if (!IS_DOM) return;

  var htmlClassList = DOCUMENT.documentElement.classList;
  var hclAdd = function hclAdd(suffix) {
    return htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + '-' + suffix);
  };

  var hclRemove = function hclRemove(suffix) {
    return htmlClassList.remove(HTML_CLASS_I2SVG_BASE_CLASS + '-' + suffix);
  };

  var prefixes = Object.keys(styles);
  var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not([' + DATA_FA_I2SVG + '])'].concat(prefixes.map(function (p) {
    return '.' + p + ':not([' + DATA_FA_I2SVG + '])';
  })).join(', ');

  if (prefixesDomQuery.length === 0) {
    return;
  }

  var candidates = toArray(root.querySelectorAll(prefixesDomQuery));

  if (candidates.length > 0) {
    hclAdd('pending');
    hclRemove('complete');
  } else {
    return;
  }

  var mark = perf.begin('onTree');

  var mutations = candidates.reduce(function (acc, node) {
    try {
      var mutation = generateMutation(node);

      if (mutation)
      {
        acc.push(mutation);
      }
    } catch (e) {
      if (!PRODUCTION) {
        if (e instanceof MissingIcon)
        {
          console.error(e);
        }
      }
    }

    return acc;
  }, []);}

  mark();

  perform(mutations, function () {
    hclAdd('active');
    hclAdd('complete');
    hclRemove('pending');

    if (typeof callback === 'function') callback();
  });
}

function onNode() {

  var mutation = generateMutation(node);

  if (mutation)
  {
    perform([mutation], callback);
  }
}
inline-block;\n  height: 2em;\n  width: 2.5em; }\n\n\n.fa-stack-1x, .fa-stack-2x { \n  bottom: 0;\n  left: 0;\n  margin: auto;\n  position: absolute;\n  right: 0;\n  top: 0; }\n\n.svg-inline--fa { \n  height: 1em;\n  width: 1.25em; }\n\n.svg-inline--fa.fa-stack-2x { \n  height: 2em;\n  width: 2.5em; }\n\n.svg-inverse { \n  color: #fff; }\n\n\n\n
```javascript
Open Source Used In APIC-SE-BATMAN v2.0.1

```
arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

if (IS_DOM) {

  ensureCss();

  var _params$node = params.node,
      node = _params$node === undefined ? DOCUMENT
      : _params$node,
      _params$callback = params.callback,
      callback = _params$callback === undefined ? undefined
      : _params$callback;

      if (config.searchPseudoElements) {

        searchPseudoElements(node);
      }

      onTree(node, callback);
    }
  },

  css: css,

  insertCss: function insertCss$$1() {

    if (!_cssInserted) {
      insertCss(css());
      _cssInserted = true;
    }
  },

  watch: function watch() {

    var autoReplaceSvgRoot = params.autoReplaceSvgRoot,

      observeMutationsRoot = params.observeMutationsRoot;

      if (config.autoReplaceSvg === false) {

        config.autoReplaceSvg = true;
      }

      config.observeMutations = true;

      domready(function () {

        autoReplace({

          autoReplaceSvgRoot: autoReplaceSvgRoot
        });

        observe({

          treeCallback: onTree,

          nodeCallback: onNode,

          pseudoElementsCallback: searchPseudoElements,

          observeMutationsRoot: observeMutationsRoot
        });
      });

      var parse = function parse(transformString) {

        return parseTransformString(transformString);
      }

      var icon = resolveIcons(function (iconDefinition) {


        var

          _params$transform = params.transform,

          transform = _params$transform === undefined ? meaninglessTransform
          : _params$transform,

          _params$symbol = params.symbol,

          symbol = _params$symbol === undefined ? false
          : _params$symbol,

          _params$mask = params.mask,

          mask = _params$mask === undefined ? null
          : _params$mask,

          _params$title = params.title,

          title = _params$title === undefined ? null
          : _params$title,

          _params$classes = params.classes,

          classes = _params$classes === undefined
          : 

          _params$attributes = params.attributes,

          attributes = _params$attributes === undefined
          : {}

          _params$styles = params.styles,

          styles = _params$styles === undefined
          : {};

          if (!iconDefinition) return;

          var prefix = iconDefinition.prefix,

          iconName = iconDefinition.iconName,

          icon = iconDefinition.icon;

          return apiObject(_extends({ type: 'icon' }, iconDefinition), function () {

            ensureCss();

            if (config.autoA11y) {

              if (title) {

                attributes['aria-labelledby'] = config.replacementClass
                + '-title-' + nextUniqueId();
              } else {

                attributes['aria-hidden'] = 'true';
              }

            }

            return makeInlineSvgAbstract({

              icons: {

                main: prepIcon(icon),

                mask: mask ? prepIcon(mask.icon) : {

                  found: false,

                  width: null,

                  height: null,

                  icon: {} };

                className: 'icon',

                iconName: iconName,

                transform: _extends({},

                  meaninglessTransform, transform),

                symbol: symbol,

                title: title,

                extra: {

                  attributes: attributes,

                  styles: styles,

                  classes: classes

                }

              },

              classPrefix: classes[0],

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,

              transform: _extends({},

                meaninglessTransform, transform),

              symbol: symbol,

              title: title,

              extra: {

                attributes: attributes,

                styles: styles,

                classes: classes

              },

              root: node,

              className: classes[0],

              className: 'icon',

              iconName: iconName,
attributes,\n
styles: styles,\n
classes: [config.familyPrefix + '-layerscounter'].concat(toConsumableArray(classes))\n
}\n });\n });\n};\n\nvar layer = function layer(assembler) {\n
return apiObject({ type: 'layer' }, function () {\n ensureCss();\n\n var children = [];\n\n assembler(function
(args) {\n
Array.isArray(args) ? args.map(function (a) {\n
children = children.concat(a.abstract);\n
}) :
children = children.concat(args.abstract);\n });\n\n return [{\n
tag: 'span',\n
attributes: { class:
config.familyPrefix + '-layers' },\n
children: children\n }];\n });\n};\n\nvar api = {\n noAuto: noAuto,\n
config: config,\n dom: dom,\n library: library,\n parse: parse,\n findIconDefinition: findIconDefinition,\n icon:
icon,\n text: text,\n counter: counter,\n layer: layer,\n toHtml: toHtml\n};\n\nvar autoReplace = function
autoReplace() {\n var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};\n var
_params$autoReplaceSv = params.autoReplaceSvgRoot,\n
autoReplaceSvgRoot = _params$autoReplaceSv ===
undefined ? DOCUMENT : _params$autoReplaceSv;\n\n\n if (Object.keys(namespace.styles).length > 0 &&
IS_DOM && config.autoReplaceSvg) api.dom.i2svg({ node: autoReplaceSvgRoot });\n};\n\nexport { icon, noAuto,
config, toHtml, layer, text, counter, library, dom, parse, findIconDefinition };\n","import FontAwesomeIcon from
'@fortawesome/vue-fontawesome'\nexport { library } from '@fortawesome/fontawesome-svg-core'\nexport default
FontAwesomeIcon\n","/** Used as references for various `Number` constants. */\nvar MAX_SAFE_INTEGER =
9007199254740991;\n\n/** Used to detect unsigned integer values. */\nvar reIsUint = /^(?:0|[1-9]\\d*)$/;\n\n/**\n *
Checks if `value` is a valid array-like index.\n *\n * @private\n * @param {*} value The value to check.\n *
@param {number} [length=MAX_SAFE_INTEGER] The upper bounds of a valid index.\n * @returns {boolean}
Returns `true` if `value` is a valid index, else `false`.\n */\nfunction isIndex(value, length) {\n var type = typeof
value;\n length = length == null ? MAX_SAFE_INTEGER : length;\n\n return !!length &&\n (type == 'number'
||\n
(type != 'symbol' && reIsUint.test(value))) &&\n
(value > -1 && value % 1 == 0 && value <
length);\n}\n\nmodule.exports = isIndex;\n","var baseSetToString = require('./_baseSetToString'),\n shortOut =
require('./_shortOut');\n\n/**\n * Sets the `toString` method of `func` to return `string`.\n *\n * @private\n *
@param {Function} func The function to modify.\n * @param {Function} string The `toString` result.\n * @returns
{Function} Returns `func`.\n */\nvar setToString = shortOut(baseSetToString);\n\nmodule.exports =
setToString;\n","// false -> Array#indexOf\n// true -> Array#includes\nvar toIObject = require('./_to-iobject');\nvar
toLength = require('./_to-length');\nvar toAbsoluteIndex = require('./_to-absolute-index');\nmodule.exports =
function (IS_INCLUDES) {\n return function ($this, el, fromIndex) {\n var O = toIObject($this);\n var length =
toLength(O.length);\n var index = toAbsoluteIndex(fromIndex, length);\n var value;\n // Array#includes uses
SameValueZero equality algorithm\n // eslint-disable-next-line no-self-compare\n if (IS_INCLUDES && el !=
el) while (length > index) {\n
value = O[index++];\n
// eslint-disable-next-line no-self-compare\n
if (value
!= value) return true;\n // Array#indexOf ignores holes, Array#includes - not\n } else for (;length > index;
index++) if (IS_INCLUDES || index in O) {\n
if (O[index] === el) return IS_INCLUDES || index || 0;\n }
return !IS_INCLUDES && -1;\n };\n};\n","'use strict';\nObject.defineProperty(exports, '__esModule', { value: true
});\nvar prefix = 'fas';\nvar iconName = 'share-alt';\nvar width = 448;\nvar height = 512;\nvar ligatures = [];\nvar
unicode = 'f1e0';\nvar svgPathData = 'M352 320c-22.608 0-43.387 7.819-59.79 20.895l-102.486-64.054a96.551
96.551 0 0 0 0-41.683l102.486-64.054C308.613 184.181 329.392 192 352 192c53.019 0 96-42.981 96-96S405.019
0 352 0s-96 42.981-96 96c0 7.158.79 14.13 2.276 20.841L155.79 180.895C139.387 167.819 118.608 160 96 160c53.019 0-96 42.981-96 96s42.981 96 96 96c22.608 0 43.387-7.819 59.79-20.895l102.486 64.054A96.301 96.301 0
0 0 256 416c0 53.019 42.981 96 96 96s96-42.981 96-96-42.981-96-96-96z';\n\nexports.definition = {\n prefix:
prefix,\n iconName: iconName,\n icon: [\n width,\n height,\n ligatures,\n unicode,\n svgPathData\n
]};\n\nexports.faShareAlt = exports.definition;\nexports.prefix = prefix;\nexports.iconName =
iconName;\nexports.width = width;\nexports.height = height;\nexports.ligatures = ligatures;\nexports.unicode =
unicode;\nexports.svgPathData = svgPathData;","/**\n * Checks if a `cache` value for `key` exists.\n *\n *
@private\n * @param {Object} cache The cache to query.\n * @param {string} key The key of the entry to
check.\n * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.\n */\nfunction
cacheHas(cache, key) {\n return cache.has(key);\n}\n\nmodule.exports = cacheHas;\n","var arrayReduce =
require('./_arrayReduce'),\n baseEach = require('./_baseEach'),\n baseIteratee = require('./_baseIteratee'),\n

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baseReduce = require('./_baseReduce'), isArray = require('./isArray');

/**
 * Reduces `collection` to a value which is the accumulated result of running `iteratee` on each element in `collection` and returning the result. If `accumulator` is not given, the initial value of the `iteratee` is used as the initial `accumulator` value. The `iteratee` is invoked with four arguments: `value`, `index|key`, `collection`, `accumulator`. Many lodash methods are guarded to work as iteratese for methods like `_.reduce`, `_.reduceRight`, and `_.transform`. The guarded methods are:

- `assign`
- `defaults`
- `defaultsDeep`
- `includes`
- `merge`
- `orderBy`
- `sortBy`

The initial value of `accumulator` is the value returned by `_.get(collection, iteratee, index|key, collection)` for the first element of `collection`. The `iteratee` is invoked per iteration, and its arguments are `value`, `key`, and `collection`.

```
function reduce(collection, iteratee, accumulator) {
  var func = isArray(collection) ? arrayReduce : baseReduce,
      initAccum = arguments.length < 3;

  return func(collection, baseIteratee(iteratee, 4), accumulator, initAccum, baseEach);
}
```

*/
with one argument: (value).

```javascript
var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
var Set = getNative(root, 'Set');

module.exports = Set;
```

```javascript
var id = 0;
var px = Math.random();
module.exports = function (key) {
  return 'Symbol('.concat(key === undefined ? '' : key, ')_', (++id + px).toString(36));
};
```

```javascript
var isSymbol = require('./isSymbol');

/**
 * Compares values to sort them in ascending order.
 *
 * @private
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {number} Returns the sort order indicator for `value`.
 */
function compareAscending(value, other) {
  if (value !== other) {
    var valIsDefined = value !== undefined,
        valIsNull = value === null,
        valIsReflexive = value === value,
        valIsSymbol = isSymbol(value);

    var othIsDefined = other !== undefined,
        othIsNull = other === null,
        othIsReflexive = other === other,
        othIsSymbol = isSymbol(other);

    if ((!othIsNull && !othIsSymbol && !valIsSymbol && value > other) ||
        (othIsSymbol && valIsDefined && valIsReflexive && !valIsNull && !valIsSymbol) ||
        (othIsNull && othIsSymbol && !valIsSymbol && othIsReflexive) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
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        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
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        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valIsSymbol) ||
        (!othIsDefined && othIsSymbol && isSymbol(other)) ||
        (!othIsReflexive && othIsSymbol && valISreflexive) ||
    }
}
```

```javascript
var eq = require('./eq');

/**
 * Gets the index at which the `key` is found in `array` of key-value pairs.
 *
 * @private
 * @param {Array} array The array to search.
 * @param {*} key The key to search for.
 * @returns {number} Returns the index of the matched value, else `-1`.
 */
function assocIndexOf(array, key) {
  var length = array.length;
  var keyLength = key.length;

  while (length--) {
    if (eq(array[length][0], key)) {
      return length;
    }
  }
  return -1;
}

module.exports = assocIndexOf;
```

```javascript
/*!
 * Font Awesome Free 5.0.13
 * by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */
var noop = function noop() {};

var _WINDOW = {};
var
```javascript
// This works in non-strict mode

```javascript
var g;

...
w[NAMESPACE_IDENTIFIER].styles = {};\nif (!w[NAMESPACE_IDENTIFIER].hooks)
w[NAMESPACE_IDENTIFIER].hooks = {};\nif (!w[NAMESPACE_IDENTIFIER].shims)
w[NAMESPACE_IDENTIFIER].shims = [];\n\nvar namespace = w[NAMESPACE_IDENTIFIER];\n\nvar
functions = [];\nvar listener = function listener() {\n DOCUMENT.removeEventListener('DOMContentLoaded',
listener);\n loaded = 1;\n functions.map(function (fn) {\n return fn();\n });\n};\n\nvar loaded = false;\n\nif
(IS_DOM) {\n loaded = (DOCUMENT.documentElement.doScroll ? /^loaded|^c/ :
/^loaded|^i|^c/).test(DOCUMENT.readyState);\n\n if (!loaded)
DOCUMENT.addEventListener('DOMContentLoaded', listener);\n}\n\nvar domready = function (fn) {\n if
(!IS_DOM) return;\n loaded ? setTimeout(fn, 0) : functions.push(fn);\n};\n\nvar d = UNITS_IN_GRID;\n\nvar
meaninglessTransform = {\n size: 16,\n x: 0,\n y: 0,\n rotate: 0,\n flipX: false,\n flipY: false\n};\n\nfunction
isReserved(name) {\n return ~RESERVED_CLASSES.indexOf(name);\n}\n\nfunction bunker(fn) {\n try {\n
fn();\n } catch (e) {\n if (!PRODUCTION) {\n
throw e;\n }\n }\n}\n\nfunction insertCss(css) {\n if (!css ||
!IS_DOM) {\n return;\n }\n\n var style = DOCUMENT.createElement('style');\n style.setAttribute('type',
'text/css');\n style.innerHTML = css;\n\n var headChildren = DOCUMENT.head.childNodes;\n var beforeChild =
null;\n\n for (var i = headChildren.length - 1; i > -1; i--) {\n var child = headChildren[i];\n var tagName =
(child.tagName || '').toUpperCase();\n if (['STYLE', 'LINK'].indexOf(tagName) > -1) {\n
beforeChild = child;\n
}\n }\n\n DOCUMENT.head.insertBefore(style, beforeChild);\n\n return css;\n}\n\nvar _uniqueId =
0;\n\nfunction nextUniqueId() {\n _uniqueId++;\n\n return _uniqueId;\n}\n\nfunction toArray(obj) {\n var array =
[];\n\n for (var i = (obj || []).length >>> 0; i--;) {\n array[i] = obj[i];\n }\n\n return array;\n}\n\nfunction
classArray(node) {\n if (node.classList) {\n return toArray(node.classList);\n } else {\n return
(node.getAttribute('class') || '').split(' ').filter(function (i) {\n
return i;\n });\n }\n}\n\nfunction
getIconName(familyPrefix, cls) {\n var parts = cls.split('-');\n var prefix = parts[0];\n var iconName =
parts.slice(1).join('-');\n\n if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {\n return
iconName;\n } else {\n return null;\n }\n}\n\nfunction htmlEscape(str) {\n return ('' + str).replace(/&/g,
'&amp;').replace(/\"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');\n}\n\nfunction
joinAttributes(attributes) {\n return Object.keys(attributes || {}).reduce(function (acc, attributeName) {\n return
acc + (attributeName + '=\"' + htmlEscape(attributes[attributeName]) + '\" ');\n }, '').trim();\n}\n\nfunction
joinStyles(styles) {\n return Object.keys(styles || {}).reduce(function (acc, styleName) {\n return acc +
(styleName + ': ' + styles[styleName] + ';');\n }, '');\n}\n\nfunction transformIsMeaningful(transform) {\n return
transform.size !== meaninglessTransform.size || transform.x !== meaninglessTransform.x || transform.y !==
meaninglessTransform.y || transform.rotate !== meaninglessTransform.rotate || transform.flipX ||
transform.flipY;\n}\n\nfunction transformForSvg(_ref) {\n var transform = _ref.transform,\n
containerWidth =
_ref.containerWidth,\n
iconWidth = _ref.iconWidth;\n\n var outer = {\n transform: 'translate(' +
containerWidth / 2 + ' 256)'\n };\n var innerTranslate = 'translate(' + transform.x * 32 + ', ' + transform.y * 32 + ')
';\n var innerScale = 'scale(' + transform.size / 16 * (transform.flipX ? -1 : 1) + ', ' + transform.size / 16 *
(transform.flipY ? -1 : 1) + ') ';\n var innerRotate = 'rotate(' + transform.rotate + ' 0 0)';\n var inner = {\n
transform: innerTranslate + ' ' + innerScale + ' ' + innerRotate\n };\n var path = {\n transform: 'translate(' +
iconWidth / 2 * -1 + ' -256)'\n };\n return {\n outer: outer,\n inner: inner,\n path: path\n };\n}\n\nfunction
transformForCss(_ref2) {\n var transform = _ref2.transform,\n
_ref2$width = _ref2.width,\n
width =
_ref2$width === undefined ? UNITS_IN_GRID : _ref2$width,\n
_ref2$height = _ref2.height,\n
height =
_ref2$height === undefined ? UNITS_IN_GRID : _ref2$height,\n
_ref2$startCentered = _ref2.startCentered,\n
startCentered = _ref2$startCentered === undefined ? false : _ref2$startCentered;\n\n var val = '';\n\n if
(startCentered && IS_IE) {\n val += 'translate(' + (transform.x / d - width / 2) + 'em, ' + (transform.y / d - height /
2) + 'em) ';\n } else if (startCentered) {\n val += 'translate(calc(-50% + ' + transform.x / d + 'em), calc(-50% + ' +
transform.y / d + 'em)) ';\n } else {\n val += 'translate(' + transform.x / d + 'em, ' + transform.y / d + 'em) ';\n }\n\n
val += 'scale(' + transform.size / d * (transform.flipX ? -1 : 1) + ', ' + transform.size / d * (transform.flipY ? -1 : 1) +
') ';\n val += 'rotate(' + transform.rotate + 'deg) ';\n\n return val;\n}\n\nvar ALL_SPACE = {\n x: 0,\n y: 0,\n
width: '100%',\n height: '100%'\n};\n\nvar makeIconMasking = function (_ref) {\n var children = _ref.children,\n

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content = params.content,\n  width = params.width,\n  height = params.height,\n  transform = params.transform,\n  title = params.title,\n  extra = params.extra, \n  _paramsSwatchable2 = params.swatchable,\n  watchable = _paramsSwatchable2 === undefined ? false : _paramsSwatchable2;\n
  var attributes = _extends({}, extra.attributes, title ? { 'title': title } : {}), { 'class': extra.classes, join(' ') }));\n
  if (watchable) \n    attributes[dataFaI2Svg] = '';\n
  var styles = _extends({}, extra.styles);\n
  if (transformIsMeaningful(transform)) \n    styles['transform'] = transformForCss(transform, transform,\n      startCentered: true, width: width, height: height));\n
  styles['-webkit-transform'] = styles['transform'];\n
  var val = [\n    {\n      tag: 'span',\n      attributes: attributes,\n      children: [content] \n    }];\n
  if (title) {\n    val.push({\n      tag: 'span', attributes: { class: 'sr-only' }, children: [title] });\n  }\n
  return val;\n\n  var noop$2 = function noop() {};\n  var p = config$1.measurePerformance && PERFORMANCE && & PERFORMANCE.mark && & PERFORMANCE.measure ? PERFORMANCE : { mark: noop$2, measure: noop$2 };\n
  var p.measure = p.measure || (\n    function measure(name) {\n      p.mark('FA ' + name);\n      return function () {\n        p.measure(name);\n      }\n    },\n    function begin(name) {\n      p.mark('FA ' + name);\n      return function () {\n        p.measure(name);\n      }\n    }\n  );\n
  return p.measure(name);
unicode.length; i++) {\n var hex = unicode.charCodeAt(i).toString(16);\n result += ('000' + hex).slice(-4);\n
}\n\n return result;\n}\n\nvar classParser = function (node) {\n var existingPrefix = node.getAttribute('dataprefix');\n var existingIconName = node.getAttribute('data-icon');\n var innerText = node.innerText !== undefined
? node.innerText.trim() : '';\n\n var val = getCanonicalIcon(classArray(node));\n\n if (existingPrefix &&
existingIconName) {\n val.prefix = existingPrefix;\n val.iconName = existingIconName;\n }\n\n if (val.prefix
&& innerText.length > 1) {\n val.iconName = byLigature(val.prefix, node.innerText);\n } else if (val.prefix &&
innerText.length === 1) {\n val.iconName = byUnicode(val.prefix, toHex(node.innerText));\n }\n\n return
val;\n};\n\nvar parseTransformString = function parseTransformString(transformString) {\n var transform = {\n
size: 16,\n x: 0,\n y: 0,\n flipX: false,\n flipY: false,\n rotate: 0\n };\n\n if (!transformString) {\n return
transform;\n } else {\n return transformString.toLowerCase().split(' ').reduce(function (acc, n) {\n
var parts =
n.toLowerCase().split('-');\n
var first = parts[0];\n
var rest = parts.slice(1).join('-');\n\n
if (first && rest ===
'h') {\n
acc.flipX = true;\n
return acc;\n
}\n\n
if (first && rest === 'v') {\n
acc.flipY = true;\n
return acc;\n
}\n\n
rest = parseFloat(rest);\n\n
if (isNaN(rest)) {\n
return acc;\n
}\n\n
switch
(first) {\n
case 'grow':\n
acc.size = acc.size + rest;\n
break;\n
case 'shrink':\n
acc.size =
acc.size - rest;\n
break;\n
case 'left':\n
acc.x = acc.x - rest;\n
break;\n
case 'right':\n
acc.x = acc.x + rest;\n
break;\n
case 'up':\n
acc.y = acc.y - rest;\n
break;\n
case 'down':\n
acc.y = acc.y + rest;\n
break;\n
case 'rotate':\n
acc.rotate = acc.rotate + rest;\n
break;\n
}\n\n
return acc;\n }, transform);\n }\n};\n\nvar transformParser = function (node) {\n return
parseTransformString(node.getAttribute('data-fa-transform'));\n};\n\nvar symbolParser = function (node) {\n var
symbol = node.getAttribute('data-fa-symbol');\n\n return symbol === null ? false : symbol === '' ? true :
symbol;\n};\n\nvar attributesParser = function (node) {\n var extraAttributes =
toArray(node.attributes).reduce(function (acc, attr) {\n if (acc.name !== 'class' && acc.name !== 'style') {\n
acc[attr.name] = attr.value;\n }\n return acc;\n }, {});\n\n var title = node.getAttribute('title');\n\n if
(config$1.autoA11y) {\n if (title) {\n
extraAttributes['aria-labelledby'] = config$1.replacementClass + '-title-' +
nextUniqueId();\n } else {\n
extraAttributes['aria-hidden'] = 'true';\n }\n }\n\n return
extraAttributes;\n};\n\nvar maskParser = function (node) {\n var mask = node.getAttribute('data-fa-mask');\n\n if
(!mask) {\n return emptyCanonicalIcon();\n } else {\n return getCanonicalIcon(mask.split(' ').map(function (i)
{\n
return i.trim();\n }));\n }\n};\n\nfunction parseMeta(node) {\n var _classParser = classParser(node),\n
iconName = _classParser.iconName,\n prefix = _classParser.prefix,\n
extraClasses = _classParser.rest;\n\n
var extraStyles = styleParser(node);\n var transform = transformParser(node);\n var symbol =
symbolParser(node);\n var extraAttributes = attributesParser(node);\n var mask = maskParser(node);\n\n return {\n
iconName: iconName,\n title: node.getAttribute('title'),\n prefix: prefix,\n transform: transform,\n symbol:
symbol,\n mask: mask,\n extra: {\n
classes: extraClasses,\n
styles: extraStyles,\n
attributes:
extraAttributes\n }\n };\n}\n\nfunction MissingIcon(error) {\n this.name = 'MissingIcon';\n this.message = error
|| 'Icon unavailable';\n this.stack = new Error().stack;\n}\n\nMissingIcon.prototype =
Object.create(Error.prototype);\nMissingIcon.prototype.constructor = MissingIcon;\n\nvar FILL = { fill:
'currentColor' };\nvar ANIMATION_BASE = {\n attributeType: 'XML',\n repeatCount: 'indefinite',\n dur:
'2s'\n};\nvar RING = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n d: 'M156.5,447.7l-12.6,29.5c-18.7-9.535.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z M40.6,272H8.5
c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-37,11.1-54.1l-29.512.6 C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5c7.8-14.9,17.2-28.8,28.1-41.5L69.7,92.3c-13.7,15.625.5,32.8-34.9,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.3-46.1,30.4l11.9,29.8c20.7-9.9,39.8-22.6,56.937.6L397,419.6z M115,92.4 c13.9-12,29.4-22.3,46.1-30.4l-11.9-29.8c-20.7,9.9-39.8,22.6-56.8,37.6L115,92.4z
M447.7,355.5c-7.8,14.9-17.2,28.8-28.1,41.5 l22.7,22.7c13.7-15.6,25.5-32.9,34.9-51.5L447.7,355.5z M471.4,272c1.4,18.8-5.2,37-11.1,54.1l29.5,12.6 c7.5-21.1,12.2-43.5,13.6-66.8H471.4z M321.2,462c-15.7,5-32.2,8.249.2,9.4v32.1c21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M240,471.4c-18.8-1.4-37-5.2-54.1-11.1l12.6,29.5c21.1,7.5,43.5,12.2,66.8,13.6V471.4z M462,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4-41.7-11.761.1L462,190.8z M92.4,397c-12-13.9-22.3-29.4-30.4-46.1l-29.8,11.9c9.9,20.7,22.6,39.8,37.6,56.9 L92.4,397z

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s:\n};\n\nfunction define(prefix, icons) {\n  var normalized = Object.keys(icons).reduce(function (acc, iconName) {
    var icon = icons[iconName];\n    var expanded = !!icon.icon;\n    if (expanded) {\n      acc[iconName] = icon.icon;\n    } else {\n      acc[iconName] = icon;\n    }\n  }, {});\n  \n  if (typeof namespace.hooks.addPack === 'function') {\n    namespace.hooks.addPack(prefix, normalized);\n  } else {\n    var additions = definitions.reduce(function (acc, definition) {
      var iconName = definition.key;\n      var additions[key] = definition.value;
      return acc;\n    }, {});\n    \n    Object.keys(additions).forEach(function (key) {
      library.definitions[key] = _extends({}, library.definitions[key] || {}, additions[key]);\n    });\n  }\n  \n  /**\n   * Font Awesome 4 used the prefix of `fa` for all icons. With the introduction\n   * of new styles we needed to differentiate between them. Prefix `fa` is now an alias `fas` so we'll easily the upgrade process for our users by\n   * automatically defining this as well.\n   */\n  if (prefix === 'fas') {\n    define('fa', icons);\n  }\n}\n\nvar Library = function () {\n  function Library() {\n    classCallCheck(this, Library);\n  }\n  \n  createClass(Library, [{\n    key: 'add',\n    value: function add() {\n      var _this = this;\n      \n      for (var _len = arguments.length, definitions = Array(_len), _key = 0; _key < _len; _key++) {\n        definitions[_key] = arguments[_key];\n      }\n      \n      var additions = definitions.reduce(function (acc, definition) {\n        var iconName = definition.key;\n        return acc;\n      }, {});\n      \n      Object.keys(additions).forEach(function (key) {\n        library.definitions[key] = _extends({}, library.definitions[key] || {}, additions[key]);\n        define(key, additions[key]);\n      });\n    }\n  }, {\n    key: 'reset',\n    value: function reset() {\n      library.definitions = {};\n      library.definitions = {};\n    }\n  }, {\n    key: '_pullDefinitions',\n    value: function _pullDefinitions(additions, definition) {\n      var normalized = definition.prefix && definition.iconName && definition.icon ? { 0: definition } : definition;\n      \n      Object.keys(normalized).map(function (key) {\n        var _normalized$key = normalized[key],\n            prefix = _normalized$key.prefix,\n            iconName = _normalized$key.iconName,\n            icon = _normalized$key.icon;\n        \n        if (!additions[prefix]) additions[prefix] = {};\n        additions[prefix][iconName] = icon;\n      });\n      \n      return Library();\n    }\n  }]);\n  \n  return Library;\n}\n\nvar Library = new Library();
\nvar noAuto = function noAuto() {\n  auto(false);\n  disconnect();\n};
\nvar dom = {\n  i2svg: function i2svg() {\n    var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
    \n    if (IS_DOM) {\n      ensureCss();\n      \n      var _params$node = params.node === undefined ? DOCUMENT : params.node,\n          _params$callback = params.callback === undefined ? function () {} : _params$callback;
      \n      if (config$1.searchPseudoElements) {\n        searchPseudoElements(_params$node);\n      }\n      \n      onTree(_params$node, _params$callback);\n    }\n  },\n  css: css,
  insertCss: function insertCss$$1() {\n    insertCss(css());\n  }
};
\nvar parse = {\n  transform: function transform(transformString) {\n    return parseTransformString(transformString);\n  }
};
\nvar icon = resolveIcons(function (iconDefinition) {\n  var params = arguments.length > 0 &\n  & arguments[0] !== undefined ? arguments[0] : {};
  \n  if (IS_DOM) {\n    var node = document.createElement('div');\n    var container = node.appendChild(DOCUMENT.createElement('div'));\n    container.innerHTML = toHtml(iconDefinition.html);\n  }\n});

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```javascript
_params$symbol === undefined ? false : _params$symbol,
  _params$mask = params.mask,
  mask = _params$mask === undefined ? null : _params$mask,
  _params$title = params.title,
  title = _params$title === undefined ? null : _params$title,
  _params$classes = params.classes,
  classes = _params$classes === undefined ? [] : _params$classes,
  _params$attributes = params.attributes,
  attributes = _params$attributes === undefined ? {} : _params$attributes,
  _params$styles = params.styles,
  styles = _params$styles === undefined ? {} : _params$styles;

  if (!iconDefinition) return;

  var prefix = iconDefinition.prefix,
  iconName = iconDefinition.iconName,
  icon = iconDefinition.icon;

  return apiObject(_extends({ type: 'icon' }, iconDefinition), function () {
    ensureCss();

    if (config$1.autoA11y) {
      if (title) {
        attributes['aria-labelledby'] = config$1.replacementClass + '-title-' + nextUniqueId();
      } else {
        attributes['aria-hidden'] = 'true';
      }
    }

    return makeInlineSvgAbstract({
      icons: {
        main: prepIcon(icon),
        mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }
      },
      prefix: prefix,
      iconName: iconName,
      transform: _extends([], meaninglessTransform, transform),
      symbol: symbol,
      transform: transform === undefined ? _params$transform2 === undefined ? meaninglessTransform : _params$transform2 : _params$transform2,
      title: _params$title2 === undefined ? null : _params$title2,
      classes: _params$classes2 === undefined ? [] : _params$classes2,
      styles: _params$styles2 === undefined ? {} : _params$styles2,
      attributes: _params$attributes2 === undefined ? {} : _params$attributes2
    });
  });

  var text = function text(content) {
    var _params$transform2 = params.transform,
    transform = _params$transform2 === undefined ? meaninglessTransform : _params$transform2,
    _params$title2 = params.title,
    title = _params$title2 === undefined ? null : _params$title2,
    _params$classes2 = params.classes,
    classes = _params$classes2 === undefined ? [] : _params$classes2,
    _params$attributes2 = params.attributes,
    attributes = _params$attributes2 === undefined ? {} : _params$attributes2,
    _params$styles2 = params.styles,
    styles = _params$styles2 === undefined ? {} : _params$styles2;

    return apiObject({ type: 'text', content: content }, function () {
      ensureCss();

      return makeLayersTextAbstract({
        content: content,
        transform: _extends([], meaninglessTransform, transform),
        transform: transform === undefined ? _params$transform2 === undefined ? meaninglessTransform : _params$transform2 : _params$transform2,
        title: _params$title2 === undefined ? null : _params$title2,
        classes: _params$classes2 === undefined ? [] : _params$classes2,
        styles: _params$styles2 === undefined ? {} : _params$styles2,
        attributes: _params$attributes2 === undefined ? {} : _params$attributes2
      });
    });

  layer = function layer(assembler) {
    return apiObject({ type: 'layer' }, function () {
      ensureCss();

      var children = [];

      assembler(function (args) {
        Array.isArray(args) ? args.map(function (a) {
          children = children.concat(a.abstract);
        }) : children = children.concat(args.abstract);
      });

      return [{
        tag: 'span',
        attributes: { class: config$1.familyPrefix + '-layers' },
        children: children
      }];
    });

  };

  api$1 = {
    noAuto: noAuto,
    dom: dom,
    library: library,
    parse: parse,
    findIconDefinition: findIconDefinition,
    icon: icon,
    text: text,
    layer: layer
  };
arrayIndexOf = require('./_array-includes')(false);
var IE_PROTO = require('./_shared-key')('IE_PROTO');

module.exports = function (object, names) {
  var O = toIObject(object);
  var i = 0;
  var result = [];
  var key;
  for (key in O) if (key !== 'IE_PROTO') has(O, key) && result.push(key);
  // Don't enum bug & hidden keys while (names.length > i) if (has(O, key = names[i++])) {
    result.push(key);
  }
  return result;
};

var Symbol = require('./_Symbol'),
    arrayMap = require('./_arrayMap'),
    isArray = require('./isArray'),
    isSymbol = require('./isSymbol');

/** Used as references for various 'Number' constants. */
var INFINITY = 1 / 0;

/** Used to convert symbols to primitives and strings. */
var symProto = Symbol ? Symbol.prototype : undefined;
var toString = symProto.toString ? symProto.toString : undefined;

/**
 * The base implementation of `_.toString` which doesn't convert
 * nullish values to empty strings.
 *
 * @private
 * @param {*} value The value to process.
 * @returns {string} Returns the string.
 */
function baseToString(value) {
  if (typeof value == 'string') {
    return value;
  }
  if (isArray(value)) {
    return arrayMap(value, baseToString) + '';
  }
  if (isSymbol(value)) {
    return toString ? toString.call(value) : '';
  }
  var result = (value + '');
  return (result == '0' && (1 / value) == -INFINITY) ? '-0' : result;
}

module.exports = baseToString;

var ListCache = require('./_ListCache'),
    Map = require('./_Map'),
    MapCache = require('./_MapCache');

/**
 * Sets the stack `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf Stack
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the stack cache instance.
 */
function stackSet(key, value) {
  var data = this.__data__;
  if (data instanceof ListCache) {
    var pairs = data.__data__;
    if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
      pairs.push([key, value]);
      this.size = ++data.size;
      return this;
    }
    data = this.__data__ = new MapCache(pairs);
  }
  data.set(key, value);
  this.size = data.size;
  return this;
}

module.exports = stackSet;

'use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fas';
var iconName = 'envelope';
var width = 512;
var height = 512;
var ligatures = [];
var unicode = 'f0e0';
var svgPathData = 'M502.3 190.8c3.9-3.1 9.7-.2 9.7 4.7V400c0 26.5-21.5 48-48 48H48C21.5 64 0 85.5 0 112v19c0 7.4 3.4 14.3 9.2 18.9 30.6 23.9 40.7 32.4 173.4 128.7 16.8 12.2 50.2 41.8 73.4 41.4z';

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [width, height, ligatures, unicode, svgPathData],
  faEnvelope: exports.definition,
  prefix: prefix,
  iconName: iconName,
  width: width,
  height: height,
  ligatures: ligatures,
  exports: exports
};
define the sort order of `array` and replaces criteria objects with their corresponding values.

@private
* @param {Array} array The array to sort.
* @param {Function} comparer The function to define sort order.
* @returns {Array} Returns `array`

```javascript
function baseSortBy(array, comparer) {
  var length =
  array.length;
  array.sort(comparer);
  while (length--) {
    array[length] = array[length].value;
  }
  return array;
}

module.exports = baseSortBy;
```

```javascript
Class your constructor.
```
```javascript
var outputParts = []; for (var i = samePartsLength; i < fromParts.length; i++) {
  outputParts[outputParts.length] = '..';
}

outputParts = outputParts.concat(toParts.slice(samePartsLength));

return outputParts.join('/');

exports.sep = '/';
exports.delimiter = ':';

exports.dirname = function(path) {
  var result = splitPath(path),
      root = result[0],
      dir = result[1];

  if (!root && !dir) {
    return '.';
  }

  if (dir) {
    dir = dir.substr(0, dir.length - 1);
  }

  return root + dir;
}

exports.basename = function(path, ext) {
  var f = splitPath(path)[2];

  if (ext && f.substr(-1 * ext.length) === ext) {
    f = f.substr(0, f.length - ext.length);
  }

  return f;
}

exports.extname = function(path) {
  return splitPath(path)[3];
}

function filter (xs, f) {
    if (xs.filter) return xs.filter(f);
    var res = [],
        index = -1,
        length = xs.length;

    while (++index < length) {
        if (f(xs[index], i, xs)) res.push(xs[index]);
    }
    return res;
}

substr = 'ab'.substr(-1) === 'b' ? function (str, start, len) {
    return str.substr(start, len);
} : function (str, start, len) {
    if (start < 0) start = str.length + start;
    return str.substr(start, len);
};

var MapCache = require('./._MapCache');

/** Error message constants. */
var FUNC_ERROR_TEXT = 'Expected a function';

/** Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on the
 * arguments provided to the memoized function. By default, the first
 * argument provided to the memoized function is used as the cache key. The
 * `func` argument is invoked with the `this` binding of the memoized
 * function. It may be customed by replacing the `_memoize` function.
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Function
 * @param {Function} func The function to have its output memoized.
 * @param {Function} [resolver] The function to resolve the cache key.
 * @returns {Function} Returns the new memoized function.
 * @example
 *
 * var object = { 'a': 1, 'b': 2 };
 * var other = { 'c': 3, 'd': 4 };
 *
 * var values = _.memoize(_.values);
 * values(object);
 * // => [1, 2]
 */
function memoize(func, resolver) {
  return function() {
    var args = arraySlice(arguments),
        thisArg = arguments[0];

    if (resolver) {
      args = resolver.apply(thisArg, args);
    }

    return func.apply(thisArg, args);
  }
}
```

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* // => [3, 4]\n *\n * object.a = 2;\n * values(object);\n * // => [1, 2]\n *\n * // Modify the result cache.\n *
values.cache.set(object, ['a', 'b']);\n * values(object);\n * // => ['a', 'b']\n *\n * // Replace `_.memoize.Cache`.\n *
_.memoize.Cache = WeakMap;\n */\nfunction memoize(func, resolver) {\n if (typeof func != 'function' || (resolver
!= null && typeof resolver != 'function')) {\n throw new TypeError(FUNC_ERROR_TEXT);\n }\n var
memoized = function() {\n var args = arguments,\n
key = resolver ? resolver.apply(this, args) : args[0],\n
cache = memoized.cache;\n\n if (cache.has(key)) {\n
return cache.get(key);\n }\n var result =
func.apply(this, args);\n memoized.cache = cache.set(key, result) || cache;\n return result;\n };\n
memoized.cache = new (memoize.Cache || MapCache);\n return memoized;\n}\n\n// Expose
`MapCache`.\nmemoize.Cache = MapCache;\n\nmodule.exports = memoize;\n","'use
strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix = 'fas';\nvar iconName =
'times';\nvar width = 352;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f00d';\nvar svgPathData =
'M242.72 256l100.07-100.07c12.28-12.28 12.28-32.19 0-44.48l-22.24-22.24c-12.28-12.28-32.19-12.28-44.48
0L176 189.28 75.93 89.21c-12.28-12.28-32.19-12.28-44.48 0L9.21 111.45c-12.28 12.28-12.28 32.19 0
44.48L109.28 256 9.21 356.07c-12.28 12.28-12.28 32.19 0 44.48l22.24 22.24c12.28 12.28 32.2 12.28 44.48 0L176
322.72l100.07 100.07c12.28 12.28 32.2 12.28 44.48 0l22.24-22.24c12.28-12.28 12.28-32.19 0-44.48L242.72
256z';\n\nexports.definition = {\n prefix: prefix,\n iconName: iconName,\n icon: [\n width,\n height,\n
ligatures,\n unicode,\n svgPathData\n ]};\n\nexports.faTimes = exports.definition;\nexports.prefix =
prefix;\nexports.iconName = iconName;\nexports.width = width;\nexports.height = height;\nexports.ligatures =
ligatures;\nexports.unicode = unicode;\nexports.svgPathData = svgPathData;","var baseGet =
require('./_baseGet');\n\n/**\n * A specialized version of `baseProperty` which supports deep paths.\n *\n *
@private\n * @param {Array|string} path The path of the property to get.\n * @returns {Function} Returns the new
accessor function.\n */\nfunction basePropertyDeep(path) {\n return function(object) {\n return baseGet(object,
path);\n };\n}\n\nmodule.exports = basePropertyDeep;\n","\"use strict\";\n\n// eslint-disable-next-line no-emptyfunction\nmodule.exports = function () {};\n","/** Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/**\n * Checks if `value` is likely a prototype object.\n *\n * @private\n * @param {*} value
The value to check.\n * @returns {boolean} Returns `true` if `value` is a prototype, else `false`.\n */\nfunction
isPrototype(value) {\n var Ctor = value && value.constructor,\n
proto = (typeof Ctor == 'function' &&
Ctor.prototype) || objectProto;\n\n return value === proto;\n}\n\nmodule.exports = isPrototype;\n","// 7.3.20
SpeciesConstructor(O, defaultConstructor)\nvar anObject = require('./_an-object');\nvar aFunction = require('./_afunction');\nvar SPECIES = require('./_wks')('species');\nmodule.exports = function (O, D) {\n var C =
anObject(O).constructor;\n var S;\n return C === undefined || (S = anObject(C)[SPECIES]) == undefined ? D :
aFunction(S);\n};\n","var arrayLikeKeys = require('./_arrayLikeKeys'),\n baseKeys = require('./_baseKeys'),\n
isArrayLike = require('./isArrayLike');\n\n/**\n * Creates an array of the own enumerable property names of
`object`.\n *\n * **Note:** Non-object values are coerced to objects. See the\n * [ES spec](http://ecmainternational.org/ecma-262/7.0/#sec-object.keys)\n * for more details.\n *\n * @static\n * @since 0.1.0\n *
@memberOf _\n * @category Object\n * @param {Object} object The object to query.\n * @returns {Array}
Returns the array of property names.\n * @example\n *\n * function Foo() {\n * this.a = 1;\n * this.b = 2;\n * }\n
*\n * Foo.prototype.c = 3;\n *\n * _.keys(new Foo);\n * // => ['a', 'b'] (iteration order is not guaranteed)\n *\n *
_.keys('hi');\n * // => ['0', '1']\n */\nfunction keys(object) {\n return isArrayLike(object) ? arrayLikeKeys(object) :
baseKeys(object);\n}\n\nmodule.exports = keys;\n","\"use strict\";\n\nmodule.exports = function () {\n\ttry
{\n\t\tObject.keys(\"primitive\");\n\t\treturn true;\n\t} catch (e) {\n\t\treturn false;\n\t}\n};\n","/**\n * Converts
`map` to its key-value pairs.\n *\n * @private\n * @param {Object} map The map to convert.\n * @returns {Array}
Returns the key-value pairs.\n */\nfunction mapToArray(map) {\n var index = -1,\n
result = Array(map.size);\n\n
map.forEach(function(value, key) {\n result[++index] = [key, value];\n });\n return result;\n}\n\nmodule.exports
= mapToArray;\n","'use strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix =
'fas';\nvar iconName = 'code';\nvar width = 640;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f121';\nvar
svgPathData = 'M278.9 511.5l-61-17.7c-6.4-1.8-10-8.5-8.2-14.9L346.2 8.7c1.8-6.4 8.5-10 14.9-8.2l61 17.7c6.4 1.8
10 8.5 8.2 14.9L293.8 503.3c-1.9 6.4-8.5 10.1-14.9 8.2zm-114-112.2l43.5-46.4c4.6-4.9 4.3-12.7-.8-17.2L117

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* @memberof Popper.Utils
* @argument {Element} element
* @returns {Element} scroll parent
*/

getScrollParent(element) {
  // Return body, `getScroll` will take care to get the correct `scrollTop` from it
  if (!element) {
    return document.body;
  }

  switch (element.nodeName) {
    case 'HTML':
      return element.ownerDocument.body;
    case 'BODY':
      return element.ownerDocument.body;
  }

  Firefox want us to check `-x` and `-y` variations as well

  var getStyleComputedProp = getStyleComputedProperty(element),
      overflow = getStyleComputedProp.overflow,
      overflowX = getStyleComputedProp.overflowX,
      overflowY = getStyleComputedProp.overflowY;

  if ( /(auto|scroll|overlay)/.test(overflow + overflowX + overflowY) ) {
    return element;
  }

  return getScrollParent(getParentNode(element));
}

var isIE11 = isBrowser && !((window.MSInputMethodContext && document.documentMode) || isIE10);
var isIE10 = isBrowser && /MSIE 10/.test(navigator.userAgent);

/**
 * Determines if the browser is Internet Explorer
 * @method
 * @memberof Popper.Utils
 * @param {Number} version to check
 * @returns {Boolean} isIE
 */

function isIE(version) {
  if (version === 11) {
    return isIE11;
  }
  if (version === 10) {
    return isIE10;
  }
  return isIE11 || isIE10;
}

/**
 * Returns the offset parent of the given element
 * @method
 * @memberof Popper.Utils
 * @param {Element} element
 * @returns {Element} offset parent
 */

function getOffsetParent(element) {
  if (!element) {
    return document.documentElement;
  }

  var noOffsetParent = isIE(10) ? document.body : null;

  // NOTE: 1 DOM access here
  var offsetParent = element.offsetParent || null;

  // Skip hidden elements which don't have an offsetParent
  while (offsetParent === noOffsetParent && element.nextElementSibling) {
    offsetParent = element.nextElementSibling.offsetParent;
  }

  var nodeName = offsetParent && offsetParent.nodeName;

  if (!nodeName || nodeName === 'BODY' || nodeName === 'HTML') {
  }

  // .offsetParent will return the closest TH, TD or TABLE in case
  // no offsetParent is present, I hate this job...
  if (['TH', 'TD', 'TABLE'].indexOf(offsetParent.nodeName) !== -1 && getStyleComputedProperty(offsetParent, 'position') === 'static') {
    return getOffsetParent(offsetParent);}

  return offsetParent;
}

/**
 * Finds the root node (document, shadowDOM root) of the given element
 * @method
 * @memberof Popper.Utils
 * @param {Element} element
 * @returns {Element} root node
 */

function getRoot(node) {
  if (node.parentNode !== null) {
    return getRoot(node.parentNode);
  }

  return node;
}

/**
 * Finds the offset parent common to the two provided nodes
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element1
 * @argument {Element} element2
 * @returns {Element} common offset parent
 */

function findCommonOffsetParent(element1, element2) {
  // This check is needed to avoid errors in case one of the elements isn't defined for any reason
  if (element1 == null || element2 == null) {
    return document.documentElement;
  }

  // Here we make sure to give as "start" the
element that comes first in the DOM
  var function findCommonOffsetParent(element1, element2) {
    // This check is needed to avoid errors in case one of the elements isn't defined for any reason
    if (element1 == null || element2 == null) {
      return document.documentElement;
    }

    // Get common ancestor container
    var range = document.createRange();
    range.setStart(start, 0);
    range.setEnd(end, 0);
    var commonAncestorContainer = range.commonAncestorContainer;

    // Both nodes are inside #document
    if (element1 == null) {
      return commonAncestorContainer;
    }

    return getOffsetParent(element1, element2);
  }

  // This check is needed to avoid errors in case one of the elements isn't defined for any reason
  if (element1 == null || element2 == null) {
    return document.documentElement;
  }

  // Get common ancestor container
  var range = document.createRange();
  range.setStart(start, 0);
  range.setEnd(end, 0);
  var commonAncestorContainer = range.commonAncestorContainer;

  // Both nodes are inside #document
  if (element1 == null) {
    return commonAncestorContainer;
  }

  return getOffsetParent(element1, element2);
}

// Gets the scroll value of the given element in the given side (top and left)
* @memberof Popper.Utils
* @param {Element} element
* @returns {number} amount of scrolled pixels
*/

function getScroll(element, side) { return 0; }


```javascript
function includeScroll(rect, element) {
  var scrollTop = getScroll(element, 'top');
  var scrollLeft = getScroll(element, 'left');
  var modifier = subtract ? -1 : 1;
  rect.top += scrollTop * modifier;
  rect.bottom += scrollTop * modifier;
  rect.left += scrollLeft * modifier;
  rect.right += scrollLeft * modifier;
  return rect;
}

/*
 * Helper to detect borders of a given element
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} element - The element from the function reads the scroll values
 * @param {Boolean} subtract - set to true if you want to subtract the scroll values
 * @return [Object] rect - The modifier rect object
 */
function getBoundingClientRect(element) {
  var rect = {};
  try {
    if (isIE(10)) {
      rect = element.getBoundingClientRect();
      var scrollTop = getScroll(element, 'top');
      var scrollLeft = getScroll(element, 'left');
      rect.top += scrollTop;
      rect.left += scrollLeft;
      rect.bottom += scrollTop;
      rect.right += scrollLeft;
    } else {
      rect = element.getBoundingClientRect();
    }
  } catch (e) {}
  var result = {
    left: rect.left,
    top: rect.top,
    width: rect.right - rect.left,
    height: rect.bottom - rect.top
  };
  return result;
}

/*
 * Given element offsets, generate an output similar to getBoundingClientRect
 * @method
 * @memberof Popper.Utils
 * @param {Object} offsets
 * @returns {Object} ClientRect like output
 */
function getClientRect(offsets) {
  return _extends({}, offsets, {
    right: offsets.left + offsets.width,
    bottom: offsets.top + offsets.height
  });
}

/*
 * Get bounding client rect of given element
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} element
 * @return {Object} ClientRect like output
 */
function getBoundingClientRect(element) {
  var rect = element.getBoundingClientRect();
  var offsetParent = rect.offsetParent;
  var scrollTop = getScroll(offsetParent, 'top');
  var scrollLeft = getScroll(offsetParent, 'left');
  rect.top += scrollTop;
  rect.left += scrollLeft;
  return rect;
}

/*
 * Get bounding client rect of given element
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} element
 * @return {Object} ClientRect like output
 */
function getBoundingClientRect(element) {
  var rect = element.getBoundingClientRect();
  var offsetParent = rect.offsetParent;
  var scrollTop = getScroll(offsetParent, 'top');
  var scrollLeft = getScroll(offsetParent, 'left');
  rect.top += scrollTop;
  rect.left += scrollLeft;
  return rect;
}
```
result.top;

  var horizScrollbar = element.offsetWidth - width;
  var vertScrollbar = element.offsetHeight - height;

  // if an hypothetical scrollbar is detected, we must be sure it's not a 'border'
  // we make this check conditional for performance reasons

  if (horizScrollbar || vertScrollbar) {
    var styles =
      getStyleComputedProperty(element);
    var horizScrollbar = getBordersSize(styles, 'x');
    var vertScrollbar = getBordersSize(styles, 'y');

    result.width -= horizScrollbar;
    result.height -= vertScrollbar;

    // if an hypothetical scrollbar is detected, we must be sure it's not a `border`
    // we make this check conditional for performance reasons

    if (horizScrollbar || vertScrollbar) {
      var styles =
        getStyleComputedProperty(element);
      var horizScrollbar = getBordersSize(styles, 'x');
      var vertScrollbar = getBordersSize(styles, 'y');

      result.width -= horizScrollbar;
      result.height -= vertScrollbar;
    }

    return getClientRect(result);
  }

  return getOffsetRectRelativeToArbitraryNode(children, parent);
}


var isIE10 = isIE(10);

var isHTML = parent.nodeName !== 'HTML';

var childrenRect = getBoundingClientRect(children);

var parentRect = getBoundingClientRect(parent);

var scrollParent = getScrollParent(children);


var relativeOffset = getOffsetRectRelativeToArbitraryNode(element, html);

var width = Math.max(html.clientWidth, window.innerWidth || 0);

var height = Math.max(html.clientHeight, window.innerHeight || 0);

var scrollTop = !excludeScroll ? getScroll(html) : 0;

var scrollLeft = !excludeScroll ? getScroll(html, 'left') : 0;

var offset = {
  top: scrollTop - relativeOffset.top + relativeOffset.marginTop,
  left: scrollLeft - relativeOffset.left + relativeOffset.marginLeft,
  width: width,
  height: height
};

var isFixed = getFixedPositionOffsetParent(element);

var returnOffsets = getViewportOffsetRectRelativeToArbitraryNode(element);


var parentRect = Math.max(parentRect.left, 0);

var elementRect = childrenRect;

var elementRect.top = elementRect.top - parentRect.top - borderTopWidth - left - parentRect.left - borderLeftWidth;

var elementRect.width = childrenRect.width - parentRect.width + left - parentRect.left - borderLeftWidth - marginLeft - offsets.marginLeft;


if (isFixed) {
  return offsets;
}

if (excludeScroll) {
  return offsets;
}

var computedPosition = getBoundingClientRect(element);

var computedPosition = computedPosition.top;

var computedPosition = computedPosition.left;

var computedPosition = computedPosition.width;

var computedPosition = computedPosition.height;

var computedPosition = computedPosition.borderTopWidth;

var computedPosition = computedPosition.borderLeftWidth;

var computedPosition = computedPosition.scrollLeft;

var computedPosition = computedPosition.scrollTop;

var computedPosition = computedPosition.style;

var computedPosition = computedPosition.transform;

var computedPosition = computedPosition.transformOrigin;

var computedPosition = computedPosition.padding;

var computedPosition = computedPosition.border;

var computedPosition = computedPosition.boxSizing;

var computedPosition = computedPosition.layout;
false

// NOTE: 1 DOM access here

 var boundaries = { top: 0, left: 0 };

 var offsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

 // Handle viewport case

 if (boundariesElement === 'viewport') {
   boundaries = getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition);
 } else {
   // Handle other cases based on DOM element used as boundaries

   var boundariesNode = void 0;

   if (boundariesElement === 'scrollParent') {
     boundariesNode = getScrollParent(getParentNode(reference));
   } else if (boundariesElement === 'BODY') {
     boundariesNode = popper.ownerDocument.documentElement;
   } else if (boundariesElement === 'window') {
     boundariesNode = popper.ownerDocument.documentElement;
   } else {
     boundariesNode = boundariesElement;
   }

   var offsets = getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition);

   // In case of HTML, we need a different computation

   if (boundariesNode.nodeName === 'HTML' &&
       !isFixed(offsetParent)) {
     var _getWindowSizes = getWindowSizes(popper.ownerDocument),
         height = _getWindowSizes.height,
         width = _getWindowSizes.width;

     boundaries.top += offsets.top - offsets.marginTop;
     boundaries.bottom = height + offsets.top;
     boundaries.left += offsets.left - offsets.marginLeft;
     boundaries.right = width + offsets.left;
   } else {
     // for all the other DOM elements, this one is good

     boundaries = offsets;
   }

   // Add paddings

   padding = padding || 0;
   var isPaddingNumber = typeof padding === 'number';

   boundaries.left += isPaddingNumber ? padding : padding.left || 0;
   boundaries.top += isPaddingNumber ? padding : padding.top || 0;
   boundaries.right -= isPaddingNumber ? padding : padding.right || 0;
   boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0;

   return boundaries;
}

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;

  return width * height;
}

/**
 * Utility used to transform the `auto` placement to the placement with more
 * available space.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height
    },
    bottom: {
      width: boundaries.width,
      height: boundaries.bottom - refRect.bottom
    },
    left: {
      width: refRect.left - boundaries.left,
      height: boundaries.height
    }
  };

  var sortedAreas = Object.keys(rects).map(function (key) {
    return _extends({
      key: key
    }, rects[key], {
      area: getArea(rects[key])
    });
  }).sort(function (a, b) {
    return b.area - a.area;
  });

  var filteredAreas = sortedAreas.filter(function (_ref2) {
    var width = _ref2.width,
        height = _ref2.height;

    return width * height >= popper.clientWidth &&
           height >= popper.clientHeight;
  });

  var computedPlacement = filteredAreas.length > 0 ? filteredAreas[0].key : null;

  return computedPlacement + (variation ? '-' + variation : '');
}

/**
 * Get offsets to the reference element
 * @method
 * @memberof Popper.Utils
 * @param {Object} state
 * @param {Element} popper - the popper element
 * @param {Element} reference - the reference element
 * @param {Element} fixedPosition - is in fixed position mode
 * @returns {Object} The data object containing the offsets which will be applied to the popper
 */
function getReferenceOffsets(state, popper, reference) {

  var commonOffsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

  return getOffsetRectRelativeToArbitraryNode(commonOffsetParent, fixedPosition);
}

/**
 * Get the outer sizes of the given element (offset size + margins)
 * @method
 * @memberof Popper.Utils
 * @argument {Element} popper - the popper element
 * @param {Object} state
 * @returns {Object} The data object containing width and height properties
 */
function getOuterSizes(element) {
  var window = element.ownerDocument.defaultView;

  var styles = window.getComputedStyle(element);

  var x = parseFloat(styles.marginTop) + parseFloat(styles.marginBottom);
  var y = parseFloat(styles.marginLeft) + parseFloat(styles.marginRight) +

  return {
    width: styles.width,
    height: styles.height
  };
}
parseFloat(styles.marginRight);
  var result = {
    width: element.offsetWidth + y,
    height: element.offsetHeight + x
  };
  return result;
}

/**
 * Get the opposite placement of the given one
 * @method
 * @memberof Popper
 * @argument {String} placement
 * @returns {String} flipped placement
 */
function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', bottom: 'top',
    top: 'bottom' };
  var return result = { left: right, right: bottom, top: bottom };
  var function (matched) {
    return return hash[matched]
  };
  var Get offsets to the popper
 * @method
 * @memberof Popper
 * @param {Object} position - CSS position the Popper will get applied
 * @param {HTMLElement} popper - the popper element
 * @param {Object} referenceOffsets - the reference offsets the popper will be relative to this
 * @param {String} placement - one of the valid placement options
 * @returns {Object} popperOffsets - An object containing the offsets which will be applied to the popper
 */
function getPopperOffsets(popper, referenceOffsets, placement) {
  placement = placement.split('-')[0];
  // Get popper node sizes
  var popperRect = getOuterSizes(popper);
  // Add position, width and height to our offsets object
  var popperOffsets = {
    width: popperRect.width,
    height: popperRect.height
  };
  // depending by the popper placement we have to compute its offsets slightly differently
  var isHoriz = ['right', 'left'].indexOf(placement) !== -1;
  var mainSide = isHoriz ? 'top' : 'left';
  var secondarySide = isHoriz ? 'top' : 'left';
  var measurement = isHoriz ? 'height' : 'width';
  var secondaryMeasurement = !isHoriz ? 'height' : 'width';
  if (placement === secondarySide) {
    popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
  } else {
    popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
  }
  return popperOffsets;
}

/**
 * Mimics the `find` method of Array
 * @method
 * @memberof Popper
 * @argument {Array} arr
 * @argument check
 * @returns index or -1
 */
function find(arr, check) {
  // use native find if supported
  if (Array.prototype.find) {
    return arr.find(check);
  }
  // use `filter` to obtain the same behavior of `find`
  return arr.filter(check)[0];
}

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper
 * @argument {Array} arr
 * @argument check
 * @argument value
 * @returns index or -1
 */
function findIndex(arr, prop, value) {
  // use native findIndex if supported
  if (Array.prototype.findIndex) {
    return arr.findIndex(function (cur) {
      return cur[prop] === value;
    });
  }
  // use `find` + `indexOf` if `findIndex` isn't supported
  var match = find(arr, function (obj) {
    return obj[prop] === value;
  });
  return arr.indexOf(match);
}

/**
 * Loop trough the list of modifiers and run them in order,
 * each of them will then edit the data object.
 * @method
 * @memberof Popper
 * @param {dataObject} data
 * @param {Array} modifiers
 * @param {String} ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */
function runModifiers(modifiers, data, ends) {
  var modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));
  modifiersToRun.forEach(function (modifier) {
    if (modifier['function']) {
      console.warn('`modifier.function` is deprecated, use `modifier.fn`!');
    }
    var fn = modifier['function'] || modifier.fn; // eslint-disable-line dot-notation
    if (modifier.enabled && isFunction(fn)) {
      data.offsets.popper = getClientRect(data.offsets.popper);
      data.offsets.reference = getClientRect(data.offsets.reference);
      data.placement = computeAutoPlacement(data.placement, data.offsets.reference, data.offsets.popper, this.options.positionFixed);
      data.styles = fn(data, modifier);
      data = modifier.onUpdate(data);
    }
  });
  return data;
}

/**
 * Updates the position of the popper, computing the new offsets and applying the new style.
 * Prefer `scheduleUpdate` over `update` because of performance reasons.
 * @method
 * @memberof Popper
 * @param {dataObject} end
 * @param {String} dataOffset
 * @param {Object} referenceOffsets
 * @param {Object} popper
 * @func update
 * @returns {dataObject}
 */
function update(dataOffset, referenceOffsets, popper) {
  var return data = fn(data, modifier);
  if (this.state.isDestroyed) {
    return return data;
  }
  var updates = function (position, popper) {
    return position;
  };
  var newOffsets = updates(position, popper);
  var newStyles = calculateStyles(newOffsets);
  return newOffsets + newStyles;
}
this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);` // store the computed placement inside `originalPlacement` data. originalPlacement = data.placement;` // data. positionFixed = this.options.positionFixed;` // compute the popper offsets data. offsets.popper = getPopperOffsets(this.popper, data. offsets. reference, data. placement);` // data. offsets.popper.position = this.options. positionFixed ? 'fixed': 'absolute';` // run the modifiers data = runModifiers(this.modifiers, data);` // the first `update` will call `onCreate` callback if (this.state.isCreated) {` // this.state.isCreated = true;` this.options. on. create(data);` } else {` this.options. on. update(data);`}`

/**
 * Helper used to know if the given modifier is enabled.
 * @method
 * @memberof Popper.
 * @argument {Object} modifiers
 * @argument {Object} modifier
 * @returns {Boolean}
 */
function isModifierEnabled(modifiers, modifierName) {
  return modifiers.some(function (_ref) {
    var name = _ref.name,
        enabled = _ref.enabled;
    return enabled && name === modifierName;
  });
}

/**
 * Get the prefixed supported property name
 * @method
 * @memberof Popper.
 * @argument {String} property
 * @returns {String}
 */
function getSupportedPropertyName(property) {
  var prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];
  var upperProp = property.charAt(0).toUpperCase() + property.slice(1);
  for (var i = 0; i < prefixes.length; i++) {
    var prefix = prefixes[i];
    var toCheck = prefix ? '' + prefix + upperProp : property;
    if (typeof document.body.style[toCheck] !== 'undefined') {
      return toCheck;
    }
  }
  return null;
}

/**
 * Destroys the popper.
 * @method
 * @memberof Popper.
 */
function destroy() {
  this.state.isDestroyed = true;

  // touch DOM only if `applyStyle` modifier is enabled
  if (isModifierEnabled(this.modifiers, 'applyStyle')) {
    this.popper.removeAttribute('x-placement');
    this.popper.style.position = '';
    this.popper.style.top = '';
    this.popper.style.left = '';
    this.popper.style.right = '';
    this.popper.style.bottom = '';
    this.popper.style.willChange = '';
    this.popper.style[getSupportedPropertyName('transform')] = '';
  }

  this.disableEventListeners();

  // remove the popper if user explicitly asked for the deletion on destroy
  // do not use `remove` because IE11 doesn't support it
  if (this.options.removeOnDestroy) {
    this.popper.parentNode.removeChild(this.popper);
  }
  return this;
}

/**
 * Get the window associated with the element
 * @argument {Element} element
 * @returns {Window}
 */
function getWindow(element) {
  var ownerDocument = element.ownerDocument;
  return ownerDocument ? ownerDocument.defaultView : window;
}

function attachToScrollParents(scrollParent, event, callback, scrollParents) {
  var isBody = scrollParent.nodeName === 'BODY';
  var target = isBody ? scrollParent.ownerDocument.defaultView : scrollParent;
  target.addEventListener(event, callback, { passive: true });
  if (!isBody) {
    attachToScrollParents(getScrollParent(target.parentNode), event, callback, scrollParents);
  }
  scrollParents.push(target);
}

/**
 * It will add resize/scroll events and start recalculating
 * popper position when they are triggered. It will add resize/scroll events and start recalculating
 * popper position when they are triggered. It will add resize/scroll events and start recalculating
 * popper position when they are triggered. It will add resize/scroll events and start recalculating
disableEventListeners() { if (this.state.eventsEnabled) { cancelAnimationFrame(this.scheduleUpdate); 
 this.state = removeEventListeners(this.reference, this.state); 
 } }

**
* @param {Boolean} return {Boolean}

* @method element - Element to apply the style to
*
* @argument {Object} styles
* @Object with a list of properties and values which will be applied to the element
*
* @function setStyles(element, styles) { 
* @argument {Object} element - Element to apply the attributes to
* @argument {Object} styles
* @Object with a list of properties and values which will be applied to the element
*
* @function setAttributes(element, attributes) { 
* @argument {Object} element - Element to apply the attributes to
* @argument {Object} attributes
* @Object with a list of properties and values which will be applied to the element
*
* @function applyStyle(data) { 
* @argument {Object} data - The data object generated by `update` method
* @argument {Object} data.styles - List of style properties - values to apply to popper element
* @argument {Object} data.attributes - List of attribute properties - values to apply to popper element
* @argument {Object} options - Modifiers configuration and options
*
* @returns {Object} The same data object

*/

**
* @function
* @method
* @argument {Object} data - The data object generated by `update` method
* @argument {Object} data.styles - List of style properties - values to apply to popper element
* @argument {Object} data.attributes - List of attribute properties - values to apply to popper element
* @argument {Object} options - Modifiers configuration and options
* @returns {Object} The object with a list of properties and values which will be applied to the element
*
* @function
* @method
* @argument {Object} element - Element to apply the attributes to
* @argument {Object} attributes
* @Object with a list of properties and values which will be applied to the element
*
* @function
* @method
* @argument {Object} data - The data object generated by `update` method
* @argument {Object} data.styles - List of style properties - values to apply to popper element
* @argument {Object} data.attributes - List of attribute properties - values to apply to popper element
* @argument {Object} options - Modifiers configuration and options
* @returns {Object} The object with a list of properties and values which will be applied to the element
For pixel-perfect positioning, top/bottom prefers rounded \( \text{values, while left/right prefers floored values.} \)

```javascript
var offsets = { left: Math.floor(popper.left), top: Math.round(popper.top), bottom: Math.round(popper.bottom), right: Math.floor(popper.right) };

var sideA = x === 'bottom' ? 'top' : 'bottom';
var sideB = y === 'right' ? 'left' : 'right';
// if gpuAcceleration is set to 'true' and transform is supported.
// we use 'translate3d' to apply the position to the popper we
// automatically use the supported prefixed version if needed
var prefixedProperty = getSupportedPropertyName('transform');
// now, let's make a step back and look at this code closely (wtf?)
// If the content of the popper grows once it's been positioned, it
// may happen that the popper gets misplaced because of the new content
// overflows its reference element
// To avoid this problem, we provide two options (x and y), which allow
// the consumer to define the offset origin.
// If we position a popper on top of a reference element, we can set
// 'x' to 'top' to make the popper grow towards its top instead of
// its bottom.
var left = void 0, top = void 0;
if (sideA === 'bottom') {
  // when offsetParent is <html> the positioning is relative to the bottom of the screen (excluding the scrollbar)
  // and not the bottom of the html element
  if (offsetParent.nodeName === 'HTML') {
    // offsetParent.clientHeight + offsets.bottom; }
  } else {
    top = -offsetParentRect.height + offsets.bottom;
  }
}

if (sideB === 'right') {
  if (offsetParent.nodeName === 'HTML') {
    left = -offsetParent.clientWidth + offsets.right;
  } else {
    left = -offsetParentRect.width + offsets.right;
  }
} else {
  left = offsets.left;
}
```

```javascript
// Attributes
var attributes = { 'x-placement': data.placement }
// Update `data` attributes, styles and arrowStyles

var modifiers = data.modifiers;
var keepTogether = modifiers.find(modifier => modifier.name === 'keepTogether');
if (keepTogether) {
  // arrow depends on keepTogether in order to work
  if (!isModifierRequired(data.instance.modifiers, 'arrow', 'keepTogether')) {
    return data;
  }

  var arrowElement = options.element;
  if (typeof arrowElement === 'string') {
    arrowElement = data.instance.popper.querySelector(arrowElement);
  } else {
    if (!data.instance.popper.contains(arrowElement)) {
      console.warn('WARNING: `arrow.element` must be child of its popper node!');
    }
  }

  var placement = data.placement.split('-')[0];
  var data = dataModifiers.arrow;
  var isVertical = [ 'left', 'right' ].indexOf(placement) !== -1;
  var arrowElementSize = (isVertical ? arrowElement.scrollHeight : arrowElement.scrollWidth);
```
getOuterSizes(arrowElement)[len];

  // extends keepTogether behavior making sure the popper and its reference have enough pixels in conjunction
  // top/left side
  if (reference[opSide] - arrowElementSize < popper[side]) {
    data.offsets.popper[side] = popper[side] - (reference[opSide] - arrowElementSize);
  }
  // bottom/right side
  if (reference[side] + arrowElementSize > popper[opSide]) {
  }
}

getClientRect(data.offsets.popper);

  // compute center of the popper's var center = reference[side] + reference[len] / 2 - arrowElementSize / 2;
  // Compute the sideValue using the updated popper offsets
  // take popper margin in account because we don't have this info available
  var css = getStyleComputedProperty(data.instance.popper);
  var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);
  var var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;
  // prevent arrowElement from being placed not contiguous to its popper's sideValue = Math.max(Math.min(popper[side] - arrowElementSize, sideValue), 0);
  var data.arrowElement = arrowElement;
  var data.offsets.arrow = (_data$offsets$arrow = {}, defineProperty(_data$offsets$arrow, side, Math.round(sideValue)), defineProperty(_data$offsets$arrow, altSide, ''), _data$offsets$arrow);

  return data;
}

/**
 * Get the opposite placement variation of the given one
 * @method
 * @memberof Popper.Utils
 * @argument {String} variation
 * @returns {String} flipped placement variation
 */
function getOppositeVariation(variation) {
  if (variation === 'end') {
    return 'start';
  } else if (variation === 'start') {
    return 'end';
  }
  return variation;
}

/**
 * List of accepted placements to use as values of the `placement`
 * option.<br />
 * Valid placements are:
 * - `auto`
 * - `top`
 * - `right`
 * - `bottom`
 * - `left`
 *
 * Each placement can have a variation from this list:
 * - `-start`
 * - `-end`
 *
 * Variations are interpreted easily if you think of them as the left to right written languages. Horizontally (`top` and `bottom`), `start` is left and `end` is right. Vertically (`left` and `right`), `start` is top and `end` is bottom. Some valid examples are:
 * - `top-start` (on top of reference, right aligned)
 * - `top-end` (on right of reference, top aligned)
 * - `bottom-start` (on bottom, centered)
 * - `bottom-end` (on the side with more space available, alignment depends by placement)
 * - `left-start` (on left of reference, top aligned)
 * - `left-end` (on right of reference, bottom aligned)
 * - `right-start` (on top of reference, right aligned)
 * - `right-end` (on right of reference, top aligned)
 *
 * @static
 * @type {Array}
 * @enum {String}
 * @readonly
 * @method placements
 * @memberof Popper
 */
var placements = ['auto-start', 'auto', 'auto-end', 'top-start', 'top', 'top-end', 'right-start', 'right', 'right-end', 'bottom-end', 'bottom', 'bottom-start', 'left-end', 'left', 'left-start'];

// Get rid of `auto` `auto-start` and `auto-end`
var validPlacements = placements.slice(3);

/**
 * Given an initial placement, returns all the subsequent placements
 * clockwise (or counter-clockwise).
 *
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement - A valid placement (it accepts variations)
 * @argument {Boolean} counter - Set to true to walk the placements counter-clockwise
 * @returns {Array} placements including their variations
 */
function clockwise(placement) {
  var arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
  var var return arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
  var return return arr = validPlacements.slice(0, index));

  return arr.reverse() : arr.reverse() : arr;
}

var BEHAVIORS = {
  FLIP: 'flip',
  CLOCKWISE: 'clockwise',
  COUNTERCLOCKWISE: 'counterclockwise'
};

var data = data.offsets.popper;

var var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);

var var placement = data.placement.split('-')[0];

var var return data = [null];

var case BEHAVIORS.CLOCKWISE = (null; break);

var case BEHAVIORS.COUNTERCLOCKWISE = (null; break);
flipOrder = options.behavior;
flipOrder.forEach(function(step, index) {
  if (placement !== step) {
    placement = step;
  }
  flipOrder[index + 1] = placement;
}));

flipOrder.forEach(function(step, index) {
  if (placement !== step || flipOrder.length === index + 1) {
    return data;
  }

  placement = data.placement.split('-')[0];
  placementOpposite = getOppositePlacement(placement);

  var popperOffsets = data.offsets.popper;
  var refOffsets = data.offsets.reference;

  // using floor because the reference offsets may contain decimals we are not going to consider here
  var floor = Math.floor;
  var overlapsRef = placement === 'left' && floor(popperOffsets.right) > floor(refOffsets.left) || placement === 'top' && floor(popperOffsets.bottom) > floor(refOffsets.top);

  var overflowsLeft = floor(popperOffsets.left) < floor(boundaries.left);
  var overflowsRight = floor(popperOffsets.right) > floor(boundaries.right);
  var overflowsBottom = floor(popperOffsets.bottom) < floor(boundaries.bottom);
  var overflowsTop = floor(popperOffsets.top) < floor(boundaries.top);

  var placement = data.placement.split('-')[0];
  var variation = getOppositeVariation(variation);

  var popperOffsets = data.offsets.popper;
  var refOffsets = data.offsets.reference;

  // using floor because the reference offsets may contain decimals we are not going to consider here
  var floor = Math.floor;
  var overlapsRef = placement === 'left' && floor(popperOffsets.right) > floor(refOffsets.left) || placement === 'top' && floor(popperOffsets.bottom) > floor(refOffsets.top) || placement === 'bottom' && floor(popperOffsets.top) < floor(refOffsets.bottom);

  var placement = data.placement.split('-')[0];

  flipOrder[index + 1] = placement;
  if (flippedVariation) {
    variation = getOppositeVariation(variation);
  }

  data.placement = placement + (variation ? '-' + variation : '');

  // this object contains `position`, we want to preserve it along with
  // any additional property we may add in the future
  data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.placement));

  data = runModifiers(data.instance.modifiers, data, 'flip');
  return data;
});

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated
 * by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object}
 */
function keepTogether(data) {
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var placement = data.placement.split('-')[0];
  var floor = Math.floor;
  var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
  var variation = getOppositeVariation(variation);

  if (popper.right < floor(reference.left)) {
    data.offsets.popper.left = floor(reference.left) - popper.width;
  }
  if (popper.left > floor(reference.right)) {
    data.offsets.popper.right = floor(reference.right);
  }

  return data;
}

/**
 * Converts a string containing
 * value + unit into a px value number
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} str - Value + unit string
 * @argument {String} measurement - `height` or `width`
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 * Value in pixels, or original string if no values were extracted
 */
function toValue(str, measurement, popperOffsets, referenceOffsets) {
  // separate value from unit
  var split = str.match(/((?:-\d*\.?\d*)\d*|\+)?(\d*|\+)?\d*%?\d*%?\d*%?\d*/);

  if (split.length > 1) {
    var value = +split[1];
    var unit = split[2];
  } else {
    var value = +split[0];
    var unit = split[1];
  }

  // if it's not a number it's an operator, I guess
  if (!value) {
    return str;
  }

  if (unit.indexOf('%') === 0) {
    var element = void 0;
    switch (unit) {
      case '%p':
        element = popperOffsets;
        break;
      case '%':
      case '%r':
      default:
        element = referenceOffsets;
    }

    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh') {
    var viewPort = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
    return rect[measurement] / 100 * viewPort;
  } else if (unit === 'vw') {
    var viewPort = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
    return rect[measurement] / 100 * viewPort;
  } else {
    return value;
  }
}

/**
 * Parse an `offset` string to extrapolate `x` and `y`
 * numeric offsets.
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} offset
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 * Value in pixels, or original string if no values were extracted
 */
function parseStringAsOffsets(offset, popperOffsets, referenceOffsets) {
  // separate value from unit
  var split = str.match(/((?:-\d*\.?\d*)\d*|\+)?(\d*|\+)?\d*%?\d*%?\d*%?\d*/);

  if (split.length > 1) {
    var value = +split[1];
    var unit = split[2];
  } else {
    var value = +split[0];
    var unit = split[1];
  }

  // if it's not a number it's an operator, I guess
  if (!value) {
    return str;
  }

  if (unit.indexOf('%') === 0) {
    var element = void 0;
    switch (unit) {
      case '%p':
        element = popperOffsets;
        break;
      case '%':
      case '%r':
      default:
        element = referenceOffsets;
    }

    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh') {
    var viewPort = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
    return rect[measurement] / 100 * viewPort;
  } else if (unit === 'vw') {
    var viewPort = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
    return rect[measurement] / 100 * viewPort;
  } else {
    return value;
  }
}
* @argument {Object} popperOffsets
* @argument {Object} referenceOffsets
* @argument {String} basePlacement
* @returns {Array} a two cells array with x and y offsets in numbers

parseOffset(offset, popperOffsets, referenceOffsets, basePlacement) { var var offsets = [0, 0]; // Use height if placement is left or right and index is 0 otherwise use width
  // in this way the first offset will use an axis and the second one
  // will use the other one.
  var useHeight = ['right', 'left'].indexOf(basePlacement) !== -1;
  // Split the offset string to obtain a list of values and operands
  // The regex addresses values with the plus or minus sign
  in front (+10, -20, etc)
  var fragments = offset.split(/(\+|\-)/).map(function (frag) { return frag.trim();

    // Detect if the offset string contains a pair of values or a single one
    // they could be separated by comma or space.
    var divider = fragments.indexOf(find(fragments, function (frag) {
      return frag.search(/,|\s/) !== -1;
    }));
    // If divider is found, we divide the list of values
    // and operands to divide
    // them by offset X and Y.
    var console.warn('Offsets separated by white space(s) are deprecated, use a comma (,) instead.');
    // This aggregates any `-` or `-` sign that
    // aren't considered operators
    // e.g.: 10 + +5 => [10, +, +5]
    .reduce(function (a, b) {
      if (a[a.length - 1] === '' && ['+', '-'].indexOf(b) !== -1) {
        a[a.length - 1] = b;
        return a;
      } else if (mergeWithPrevious) {
        a[a.length - 1] += b;
        return a;
      } else {
        return a.concat(b);
      }
    }, []);
    // Here we convert the string values into number values (in px)
    .map(function (str) {
      return toValue(str, useHeight ? 'height' : 'width');
    });
  });

  // Loop trough the offsets arrays and execute the operations
  ops = ops.map(function (op, index) { return op.reduce(function (a, b) {
    // This aggregates any `-` or `-` sign that
    // aren't considered operators
    // e.g.: 10 + +5 => [10, +, +5]
    .reduce(function (a, b) {
      if (a[a.length - 1] === '' && ['+', '-'].indexOf(b) !== -1) {
        a[a.length - 1] = b;
        return a;
      } else if (mergeWithPrevious) {
        a[a.length - 1] += b;
        return a;
      } else {
        return a.concat(b);
      }
    }, []);
    // Here we convert the string values into number values (in px)
    .map(function (str) {
      return toValue(str, useHeight ? 'height' : 'width');
    });
  });

  // Get the final offsets and return them
  return offsets;
}

offset(data, _ref) { var offset = _ref.offset;

  // Get the placement and the offsets
  var placement = data.placement,
      offsets = data.offsets;

  // Get the popper and the reference
  var popper = offsets.popper,
      reference = offsets.reference;

  // Get the base placement
  var basePlacement = placement.split('-')[0];

  // Get the offsets
  var offsets = void 0;

  // If the offset is numeric
  if (isNumeric(offset)) {
    offsets = [+offset, 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  // If the placement is left
  if (basePlacement === 'left') {
    popper.top += offsets[0];
    popper.left -= offsets[1];
  } else if (basePlacement === 'right') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'top') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'bottom') {
    popper.left += offsets[0];
    popper.top += offsets[1];
  }

  // Set the popper position
  data.popper = popper;
  return data;
}

preventOverflow(data, options) { var boundariesElement = options.boundariesElement

getOffsetParent(data.instance.popper, boundariesElement, data)

// If the offsetParent is the reference element, we want to ignore
// one step down and use the next offsetParent as reference to
// avoid to make this modifier completely useless and look like broken
// if (data.instance.reference === boundariesElement) {

// NOTE: DOM access here resets the popper's position so that
// the document size can be calculated excluding
// the size of the popper element itself.
var transformProp = getSupportedPropertyName('transform');
var popperStyles = data.instance.popper.style;

// Assignment to help minification
var transform = popperStyles[transformProp];
var popperStyles.top = transform;
var popperStyles.left = transform;

// Get the boundaries
var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding);
boundariesElement, data.positionFixed); // NOTE: DOM access here // restores the original style properties after the offsets have been computed
  popperStyles.top = top;
  popperStyles.left = left;

  popperStyles[transformProp] = transform;

  options.boundaries = boundaries;

  var popper = data.offsets.popper;

  var check = { primary: function primary(placement) {
    var value = popper[placement];
    if (popper[placement] < boundaries[placement] && !options.escapeWithReference)
      return value = Math.max(popper[placement], boundaries[placement]);

  return defineProperty({}, placement, { value: Math.min(popper[mainSide], boundaries[placement]) });

  } }

  secondary: function secondary(placement) {
    var popper = data.offsets.popper;

    var order = options.priority;

    var popper = data.offsets.popper;

    var check = {
      primary: function primary(placement) {
        var value = popper[placement];
        if (popper[placement] < boundaries[placement] && !options.escapeWithReference)
          value = Math.max(popper[placement], boundaries[placement]);

        return defineProperty({}, placement, { value: Math.min(popper[mainSide], boundaries[placement]) });
      },
      secondary: function secondary(placement) {
        var mainSide = placement !== 'right' ? 'left' : 'top';
        var value = popper[mainSide];
        if (popper[placement] > boundaries[placement] && !options.escapeWithReference)
          value = Math.min(popper[mainSide], boundaries[placement]);

        return defineProperty({}, mainSide, { value: Math.min(popper[mainSide], boundaries[placement]) });
      }
    };

    order.forEach(function (placement) {
      var side = ['left', 'top'].indexOf(placement) !== -1 ? 'primary' : 'secondary';
      popper = _extends({}, popper, check[side](placement));
    });

    data.offsets.popper = popper;

    return data;
  }

  /**
   * @function
   * @memberof Modifiers
   * @argument {Object} data - The data object generated by `update` method
   * @argument {Object} options - Modifiers configuration and options
   * @returns {Object} The data object, properly modified
   */
  function shift(data) {
    var placement = data.placement;
    var basePlacement = placement.split('-')[0];
    var shiftvariation = placement.split('-')[1];

    // if shift variation is specified, run the modifier
    if (shiftvariation) {
      var _data$offsets = data.offsets,
          reference = _data$offsets.reference,
          popper = _data$offsets.popper;

      var isVertical = ['bottom', 'top'].indexOf(basePlacement) !== -1;
      var side = isVertical ? 'left' : 'top';
      var measurement = isVertical ? 'width' : 'height';

      var shiftOffsets = {
        start: defineProperty({}, side, reference[side]),
        end: defineProperty({}, side, reference[side] + reference[measurement] - popper[measurement])
      };

      data.offsets.popper = _extends({}, popper, shiftOffsets[shiftvariation]);
    }

    return data;
  }

  /**
   * Modifiers are plugins used to alter the behavior of your poppers.
   * Popper.js uses a set of 9 modifiers to provide all the basic functionalities
   * needed by the library. * Usually you don't want to override the `order`, `fn` and `onLoad` props. * All the other properties are configurations that could be tweaked. * `namespace` modifier is used to shift the popper
on the start or end of its reference element. It will read the variation of the 'placement' property. It can be one either 'end' or 'start'.

*memberof modifiers* *inner* An shift: {n
**@prop {number} order=100 - Index used to define the order of execution */n
order: 100, n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */n enabled: true, n /** @prop {ModifierFn} */n fn: shift, n /** @prop {number} order=400 - Index used to define the order of execution */n
order: 400, n /** @prop {Array} [priority=[left, right, top, bottom]]

*memberof modifiers* *inner* An preventOverflow: {n
/** @prop {number} order=300 - Index used to define the order of execution */n
order: 300, n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */n enabled: true, n /** @prop {ModifierFn} */n fn: preventOverflow, n /** @prop {Number[String]} offset=0 */n * The offset value as described in the modifier description

*/n
offset: 0, n /** @prop {number} order=**n enabled: true, n /** @prop {ModifierFn} */n fn: preventOverflow, n /** @prop {number} order=**n * The boundaries in order to remain attached to the edge of the reference.

*/n
* @memberof modifiers* *inner* An preventOverflow: {n
/** @prop {number} order=300 - Index used to define the order of execution */n
order: 300, n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */n enabled: true, n /** @prop {ModifierFn} */n fn: preventOverflow, n /** @prop {number} order=**n * The boundaries in order to remain attached to the edge of the reference.

*memberof modifiers* *inner* An preventOverflow: {n
/** @prop {number} order=300 - Index used to define the order of execution */n
order: 300, n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */n enabled: true, n /** @prop {ModifierFn} */n fn: preventOverflow, n /** @prop {number} order=**n * The boundaries in order to remain attached to the edge of the reference.

*memberof modifiers* *inner* An preventOverflow: {n
/** @prop {number} order=300 - Index used to define the order of execution */n
order: 300, n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */n enabled: true, n /** @prop {ModifierFn} */n fn: preventOverflow, n /** @prop {number} order=**n * The boundaries in order to remain attached to the edge of the reference.

*memberof modifiers* *inner* An arrow: {n
/** @prop {number} order=500 - Index used to define the
order of execution *\n order: 500, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n fn: arrow, \n /** @prop {String|HTMLElement} element='[x-arrow]' - Selector or node used as arrow *\n element: '[x-arrow]' \n */\n * Modifier used to flip the popper's placement when it starts to overlap its reference element. *\n * Requires the 'preventOverflow' modifier before it in order to work. *\n * **NOTE:** This modifier will interrupt the current update cycle and will \n * restart it if it detects the need to flip the placement. *\n * @memberof modifiers *\n * @inner *\n */\n fn: flip; \n /** @prop {number} order=600 - Index used to define the order of execution *\n order: 600, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n fn: flip, \n /** @prop {String|Array} behavior='flip' - The behavior used to change the popper's placement. It can be one of 'flip', 'clockwise', 'counterclockwise' or an array with a list of valid placements (with optional variations) \n * behavior: 'flip', \n /** @prop {number} padding=5 *\n * The popper will flip if it hits the edges of the 'boundariesElement'. \n * padding: 5, \n /** @prop {String|HTMLElement} boundariesElement='viewport' *\n * The element which will define the boundaries of the popper's position. *\n * The popper will never be placed outside of the defined boundaries. *\n * (except if 'keepTogether' is enabled) *\n */\n boundariesElement: 'viewport', \n */\n * Modifier used to make the popper flow toward the inner of the reference element. \n * By default, when this modifier is disabled, the popper will be placed outside \n * the reference element. *\n * @memberof modifiers *\n * @inner *\n */\n fn: inner; \n /** @prop {number} order=700 - Index used to define the order of execution *\n order: 700, \n /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not *\n enabled: false, \n /** @prop {ModifierFn} */\n fn: inner, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n inner: \n /** @prop {number} order=800 - Index used to define the order of execution *\n order: 800, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n fn: hide; \n /** @prop {String|Array} behavior='flip' - The behavior used to hide the popper when its reference element is outside of the popper's boundaries. \n * The popper will set a 'x-out-of-boundaries' attribute which can be used to hide with a CSS selector the popper when its reference is \n * out of boundaries. *\n * Requires the 'preventOverflow' modifier before it in order to work. *\n * @memberof modifiers *\n * @inner *\n */\n hide: \n /** @prop {number} order=850 - Index used to define the order of execution *\n order: 850, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n hide: \n /** @prop {String|Array} behavior='flip' - The behavior used to hide the popper when its reference element is outside of the popper's boundaries. \n * The popper will set a 'x-out-of-boundaries' attribute which can be used to hide with a CSS selector the popper when its reference is \n * out of boundaries. *\n * Requires the 'preventOverflow' modifier before it in order to work. *\n * @memberof modifiers *\n * @inner *\n */\n flip: \n /** @prop {number} order=600 - Index used to define the order of execution *\n order: 600, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n fn: flip; \n /** @prop {String|Array} behavior='flip' - The behavior used to change the popper's placement. It can be one of 'flip', 'clockwise', 'counterclockwise' or an array with a list of valid placements (with optional variations) \n * behavior: 'flip', \n /** @prop {number} padding=5 *\n * The popper will flip if it hits the edges of the 'boundariesElement'. \n * padding: 5, \n /** @prop {String|HTMLElement} boundariesElement='viewport' *\n * The element which will define the boundaries of the popper's position. *\n * The popper will never be placed outside of the defined boundaries. *\n * (except if 'keepTogether' is enabled) *\n */\n boundariesElement: 'viewport', \n */\n * Modifier used to make the popper flow toward the inner of the reference element. \n * By default, when this modifier is disabled, the popper will be placed outside \n * the reference element. *\n * @memberof modifiers *\n * @inner *\n */\n fn: inner; \n /** @prop {number} order=700 - Index used to define the order of execution *\n order: 700, \n /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not *\n enabled: false, \n /** @prop {ModifierFn} */\n fn: inner, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n inner: \n /** @prop {number} order=800 - Index used to define the order of execution *\n order: 800, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n fn: inner, \n /** @prop {number} order=850 - Index used to define the order of execution *\n order: 850, \n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not *\n enabled: true, \n /** @prop {ModifierFn} */\n fn: inner, \n /** @prop {number} order=900 - Index used to define the order of execution */\n order: 900, 
 /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */\n enabled: true, 
 /** @prop {ModifierFn} */ 
 applyStyle: {
 /** @prop {number} order=900 - Index used to define the order of execution */
 order: 900, 
 /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
 enabled: true, 
 /** @prop {ModifierFn} */ 
 applyStyleOnLoad: applyStyle, 
 /** @prop {Function} */ 
 onLoad: applyStyleOnLoad, 
 /** @prop {Boolean} */ 
 @deprecated since version 1.10.0. the property moved to 'computeStyle' modifier; 
 * @prop {Boolean} 

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 gpuAcceleration=true
   * If true, it uses the CSS 3D transformation to position the popper.
 * Otherwise, it will use the 'top' and 'left' properties
 * The `dataObject` is an object containing all the information used by Popper.js.
 * This object is passed to modifiers and to the 'onCreate' and 'onUpdate' callbacks.
 * `name` @dataObject `@property {Object} data` instance
 * `@property {String} data.placement` Placement applied to popper
 * `@property {String} data.styles` Any CSS property defined here will be applied to the popper.
 * `@property {Object} data.dataObject` Any CSS property defined here will be applied to the popper arrow.
 * It expects the JavaScript nomenclature (eg. `marginBottom`) `@property {Object} data.styles` Any CSS property defined here will be applied to the popper.
 * To override an option, simply pass an object with the same name `style` structure of the 'options' object, as the 3rd argument. For example:
 * `options: {
 *   preventOverflow: {
 *     enabled: false
 *   }
 * }` ` modifies: {
 *   preventOverflow: { enabled: false }
 * }
 * This can be overridden using the 'options' argument of Popper.js.
 * To override an option, simply pass an object with the same name `style` structure of the 'options' object, as the 3rd argument. For example:
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * Default options provided to Popper.js constructor.
 * These can be overridden using the 'options' argument of Popper.js.
 * To override an option, simply pass an object with the same name `style` structure of the 'options' object, as the 3rd argument. For example:
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * List of modifiers used to modify the offsets before they are applied to the popper.
 * They provide most of the functionalities of Popper.js.
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * Callback called when the popper is created.
 * By default, it is set to no-op. By default, it is set to no-op.
 * Access Popper.js instance with `data.instance`.
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * Callback called when the popper is updated.
 * By default, it is set to no-op.
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * The reference element used to position the popper.
 * In this case it is not called.
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * The generated Popper.js instance.
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * The reference element used to position the popper.
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
Refactoring modifiers’ list (Object => Array)

```javascript
  this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
    return _extends({}, this.options.modifiers[name]);
  });
```
options.i18n.mergeLocaleMessage(locale, localeMessages[locale]);
        } catch (e) {
          this._i18n = options.i18n;
          this._i18nWatcher = this._i18n.watch18nData();
        }
      } else if (isPlainObject(options.i18n)) {
        // component local i18n
        if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
          options.i18n.root = this.$root;
          options.i18n.formatter = this.$root.$i18n.formatter;
          options.i18n.fallbackLocale = this.$root.$i18n.fallbackLocale;
          options.i18n.silentTranslationWarn = this.$root.$i18n.silentTranslationWarn;
          options.i18n.messages = options.i18n.messages || merge(merge(options.i18n.messages || {}), JSON.parse(options.__i18n));
        } else if (process.env.NODE_ENV !== 'production') {
          warn("Cannot parse locale messages via custom blocks.", e);
        }
        this._i18n = new VueI18n(options.i18n);
        this._i18nWatcher = this._i18n.watch18nData();
        this._i18n.subscribeDataChanging(this);
        this._subscribing = true;
      }
      if (options.i18n.sync === undefined || !!options.i18n.sync) {
        this._localeWatcher = this.$i18n.watchLocale();
      }
    } else if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
      // root i18n
      this._i18n = this.$root.$i18n;
      this._i18n.subscribeDataChanging(this);
      this._subscribing = true;
    } else if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
      // parent i18n
      this._i18n = options.parent.$i18n;
      this._i18n.subscribeDataChanging(this);
      this._subscribing = true;
    }
  }

  beforeDestroy: function beforeDestroy () {
    if (!this._i18n) { return }
    if (this._subscribing) {
      this._i18n.unsubscribeDataChanging(this);
      delete this._subscribing;
    }
    if (this._i18nWatcher) {
      this._i18nWatcher();
      delete this._i18nWatcher;
    }
    if (this._localeWatcher) {
      this._localeWatcher();
      delete this._localeWatcher;
    }
    this._i18n = null;
  }
};

/*  */

var component = {
  name: 'i18n',
  functional: true,
  props: {
    tag: {
      type: String,
      default: 'span'
    },
    path: {
      type: String,
      required: true
    },
    locale: {
      type: String
    },
    places: {
      type: [Array, Object]
    }
  },
  render: function render (h, ref) {
    var props = ref.props;
    var data = ref.data;
    var children = ref.children;
    var parent = ref.parent;

    var i18n = parent.$i18n;

    children = (children || []).filter(function (child) {
      return child.tag || (child.text = child.text.trim())
    });

    if (!i18n) {
      if (process.env.NODE_ENV !== 'production') {
        warn('Cannot find VueI18n instance!');
      }
      return children
    }

    var path = props.path;
    var locale = props.locale;

    var params = {};
    var places = props.places || {};

    var hasPlaces =Array.isArray(places) ? places.length > 0 : Object.keys(places).length > 0;
    var varHasPlaces = Array.isArray(places) ? places.length > 0 : Object.keys(places).length > 0;

    var child = (function (child) {
      return child.tag || (child.text = child.text.trim());
    })(i18n); if (child) {
      if (process.env.NODE_ENV !== 'production') {
        warn('Cannot find VueI18n instance!');
      }
      return children
    }
    var varPath = props.path;
    var varLocale = props.locale;
    var varParams = { };
    var varPlaces = { };
    var hasPlaces = Array.isArray(places) ? places.length > 0 : Object.keys(places).length > 0;
    var varEveryPlace = function (child) {
      if (child && typeof child.data &
      && child.data.attrs) {
        var varPlace = child.data.attrs.place;
        return (typeof varPlace !== 'undefined') &
        && (varPlace !== ''
      )
    );
    if (process.env.NODE_ENV !== 'production') {
      warn('Cannot find VueI18n instance!');
    }
    return children
  }
};

/*  */

function bind (el, binding, vnode) {
  if (!assert(el, vnode)) { return }
  t(el, binding, vnode);
}

function update (el, binding, vnode, oldVNode) {
  if (!assert(el, vnode)) { return }
  var i18n = vnode.context.$i18n;
  if (localeEqual(el, vnode) &&
    (looseEqual(binding.value, binding.oldValue) &&
    looseEqual(el._localeMessage, i18n.getLocaleMessage(i18n.locale)))) { return }
  t(el, binding, vnode);
}

function unbind (el, binding, vnode, oldVNode) {
  var vm = vnode.context;
  if (!vm) { return }
  vm = vm
  // Vue instance does not exists in VNode context
  return children
};

/*  */

function isPlainObject(obj) {
  return (typeof obj !== 'undefined') &
  && (typeof obj !== null)
  && (typeof obj === 'object') &
  && (Object.keys(obj).length > 0)
  && (typeof Object.create !== 'undefined') &
  && (Object.create === Object.prototype.hasOwnProperty)
};

function hasOwnProperty(obj, prop) {
  return prop in obj
};

function looseEqual(a, b) {
  if (typeof a !== 'object' || typeof b !== 'object') {
    return a === b
  }
  var keys = (a ? Object.keys(a) : []);
  return keys.length === (b ? Object.keys(b).length : 0)
  && keys.every(function (key) {
    var keyA = a[key];
    var keyB = b[key];
    if (typeof keyA !== 'undefined') {
      if (typeof keyB !== 'undefined') {
        return (keyA === keyB) &
        && (keyA !== null)
      }
    }
    return true
  });
}

function localeEqual(a, b) {
  if (a === b) { return true
  }
  var aLocale = a.locale;
  var bLocale = b.locale;
  if (aLocale === bLocale) { return true
  }
  if (aLocale === 'auto') { return true
  }
  if (bLocale === 'auto') { return true
  }
  aLocale = aLocale.split('-')[0];
  bLocale = bLocale.split('-')[0];
  return aLocale === bLocale
};

function warn(message, ...args) {
  console.error(message, ...args)
};

function t(el, binding, vnode) {
  if (binding.value) {
    el.textContent = binding.value
  } else {
    el.textContent = ''
  }
};

function looseEqual(a, b) {
  if (typeof a !== 'object' || typeof b !== 'object') {
    return a === b
  }
  var keys = (a ? Object.keys(a) : []);
  return keys.length === (b ? Object.keys(b).length : 0)
  && keys.every(function (key) {
    var keyA = a[key];
    var keyB = b[key];
    if (typeof keyA !== 'undefined') {
      if (typeof keyB !== 'undefined') {
        return (keyA === keyB) &
        && (keyA !== null)
      }
    }
    return true
  });
}

function localeEqual(a, b) {
  if (a === b) { return true
  }
  var aLocale = a.locale;
  var bLocale = b.locale;
  if (aLocale === bLocale) { return true
  }
  if (aLocale === 'auto') { return true
  }
  if (bLocale === 'auto') { return true
  }
  aLocale = aLocale.split('-')[0];
  bLocale = bLocale.split('-')[0];
  return aLocale === bLocale
};
delete el['_localeMessage'];

function assert (el, vnode) {
  var vm = vnode.context;
  if (!vm) {
    warn('Vue instance does not exist in VNode context');
    return false
  } else if (vm.$i18n) {
    var return true
  } else {
    warn('VueI18n instance does not exists in Vue instance');
    return false
  }
}

function localeEqual (el, vnode) {
  var vm = vnode.context;
  return el._locale === vm.$i18n.locale
}

function t (el, binding, vnode) {
  var ref$1, ref$2;

  var value = binding.value;

  var ref = parseValue(value);
  var path = ref.path;
  var locale = ref.locale;
  var args = ref.args;
  var choice = ref.choice;

  if (!path) {
    warn('value type not supported');
    return
  } else if (path === 'vm._vt') {
    return true
  }

  var vm = vnode.context;
  if (choice) {
    el._vt = el.textContent = (ref$1 = vm.$i18n).tc.apply(ref$1, [ path, choice ].concat( makeParams(locale, args)));
  } else {
    el._vt = el.textContent = (ref$2 = vm.$i18n).t.apply(ref$2, [ path ].concat( makeParams(locale, args)));
  }

  el._locale = vm.$i18n.locale;
  el._localeMessage = vm.$i18n.getLocaleMessage(vm.$i18n.locale);
}

function parseValue (value) {
  var path;
  var locale;
  var args;
  var choice;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
    choice = value.choice;
  }

  return { path, locale, args, choice }
}

function makeParams (locale, args) {
  var params = [];

  locale && params.push(locale);
  if (args && (Array.isArray(args) || isPlainObject(args))) {
    params.push(args);
  }

  return params
}

var Vue;

function install (_Vue) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
    warn('already installed.');
    return
  }
  install.installed = true;

  Vue = _Vue;

  var version = (Vue.version && Number(Vue.version.split('.')[0])) || -1;
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && version < 2) {
    warn(("vue-i18n (" + (install.version) + ") need to use Vue 2.0 or later (Vue: " + (Vue.version) + ")."));
    return
  }

  extend(Vue);
  Vue.mixin(mixin);
  Vue.directive('t', { bind: bind,
    update: update, unbind: unbind });
  Vue.component(component.name, component);

  // use simple
  mergeStrategies to prevent i18n instance lose '__proto__'
  var strats = Vue.config.optionMergeStrategies;
  strats.i18n = function (parentVal, childVal) {
    return childVal === undefined
      ? parentVal
      : childVal
  };
}

/*  */

var BaseFormatter = function BaseFormatter () {
  this._caches = Object.create(null);
};

BaseFormatter.prototype.interpolate = function interpolate (message, values) {
  if (!values) {
    return [message]
  }
  var tokens = this._caches[message];
  if (!tokens) {
    tokens = parse(message);
    this._caches[message] = tokens;
  }
  return compile(tokens, values)
};

function parse(format) {
  var tokens = [];
  var position = 0;

  var text = '';
  while (position < format.length) {
    var char = format[position++];
    if (char === '{') {
      if (text) {
        tokens.push({ type: 'text', value: text });
      }
      text = '';
      var sub = '';
      char = format[position++];
      while (char !== '}') {
        sub += char;
        char = format[position++];
      }
      var isClosed = char === '}';

      var type = RE_TOKEN_LIST_VALUE.test(sub)
        ? 'list'
        : RE_TOKEN_NAMED_VALUE.test(sub)
          ? 'named'
          : 'unknown';
      tokens.push({ type: type, value: sub });
    } else if (char === '%') {
      // when found rails i18n syntax, skip text capture
      if (text) {
        tokens.push({ type: 'text', value: text });
      }
      text = '';
    } else {
      text += char;
    }
  }

  text && tokens.push({ type: 'text', value: text });

  return tokens
};

function compile (tokens, values) {
  var compiled = [];
  var index = 0;

  var mode = 'list';
  if (mode === 'named') {
    values = Object.values(values);
  }

  while (index < tokens.length) {
    var token = tokens[index];
    switch (token.type) {
      case 'text':
        compiled.push(token.value);
        break
      case 'list':
        compiled.push(values[parseInt(token.value, 10)]);
        break
      case 'named':
        if (process.env.NODE_ENV !== 'production') {
          warn("Type of token '" + (token.type) + "' and format of value '" + mode + "' don't match!"));
        }
        break
      case 'unknown':
        if (process.env.NODE_ENV !== 'production' && token == tokens[index]) {
          warn("Detect 'unknown' type of token!"));
        }
        break
    }
    index++;
  }

  return compiled
};

/*  */

/**
 *  Path parser
 *  - Inspired:
 *    Vue.js Path parser
 */

// actions
var APPEND = 0;
var PUSH = 1;
var INC_SUB_PATH_DEPTH = 2;
var PUSH_SUB_PATH = 3;
var states

BEFORE_PATH = 0;\nvar IN_PATH = 1;\nvar BEFORE_IDENT = 2;\nvar IN_IDENT = 3;\nvar IN_SUB_PATH
= 4;\nvar IN_SINGLE_QUOTE = 5;\nvar IN_DOUBLE_QUOTE = 6;\nvar AFTER_PATH = 7;\nvar ERROR =
8;\n\nvar pathStateMachine = [];\n\npathStateMachine[BEFORE_PATH] = {\n 'ws': [BEFORE_PATH],\n 'ident':
[IN_IDENT, APPEND],\n '[': [IN_SUB_PATH],\n 'eof': [AFTER_PATH]\n};\n\npathStateMachine[IN_PATH] =
{\n 'ws': [IN_PATH],\n '.': [BEFORE_IDENT],\n '[': [IN_SUB_PATH],\n 'eof':
[AFTER_PATH]\n};\n\npathStateMachine[BEFORE_IDENT] = {\n 'ws': [BEFORE_IDENT],\n 'ident':
[IN_IDENT, APPEND],\n '0': [IN_IDENT, APPEND],\n 'number': [IN_IDENT,
APPEND]\n};\n\npathStateMachine[IN_IDENT] = {\n 'ident': [IN_IDENT, APPEND],\n '0': [IN_IDENT,
APPEND],\n 'number': [IN_IDENT, APPEND],\n 'ws': [IN_PATH, PUSH],\n '.': [BEFORE_IDENT, PUSH],\n
'[': [IN_SUB_PATH, PUSH],\n 'eof': [AFTER_PATH, PUSH]\n};\n\npathStateMachine[IN_SUB_PATH] = {\n
\"'\": [IN_SINGLE_QUOTE, APPEND],\n '\"': [IN_DOUBLE_QUOTE, APPEND],\n '[': [IN_SUB_PATH,
INC_SUB_PATH_DEPTH],\n ']': [IN_PATH, PUSH_SUB_PATH],\n 'eof': ERROR,\n 'else': [IN_SUB_PATH,
APPEND]\n};\n\npathStateMachine[IN_SINGLE_QUOTE] = {\n \"'\": [IN_SUB_PATH, APPEND],\n 'eof':
ERROR,\n 'else': [IN_SINGLE_QUOTE, APPEND]\n};\n\npathStateMachine[IN_DOUBLE_QUOTE] = {\n '\"':
[IN_SUB_PATH, APPEND],\n 'eof': ERROR,\n 'else': [IN_DOUBLE_QUOTE, APPEND]\n};\n\n/**\n * Check if
an expression is a literal value.\n */\n\nvar literalValueRE = /^\\s?(?:true|false|?[\\d.]+|'[^']*'|\"[^\"]*\")\\s?$/;\nfunction isLiteral (exp) {\n return literalValueRE.test(exp)\n}\n\n/**\n * Strip
quotes from a string\n */\n\nfunction stripQuotes (str) {\n var a = str.charCodeAt(0);\n var b =
str.charCodeAt(str.length - 1);\n return a === b && (a === 0x22 || a === 0x27)\n ? str.slice(1, -1)\n :
str\n}\n\n/**\n * Determine the type of a character in a keypath.\n */\n\nfunction getPathCharType (ch) {\n if (ch
=== undefined || ch === null) { return 'eof' }\n\n var code = ch.charCodeAt(0);\n\n switch (code) {\n case 0x5B:
// [\n case 0x5D: // ]\n case 0x2E: // .\n case 0x22: // \"\n case 0x27: // '\n
return ch\n\n case 0x5F: // _\n
case 0x24: // $\n case 0x2D: // -\n
return 'ident'\n\n case 0x20: // Space\n case 0x09: // Tab\n case 0x0A:
// Newline\n case 0x0D: // Return\n case 0xA0: // No-break space\n case 0xFEFF: // Byte Order Mark\n
case 0x2028: // Line Separator\n case 0x2029: // Paragraph Separator\n
return 'ws'\n }\n\n return
'ident'\n}\n\n/**\n * Format a subPath, return its plain form if it is\n * a literal string or number. Otherwise prepend
the\n * dynamic indicator (*).\n */\n\nfunction formatSubPath (path) {\n var trimmed = path.trim();\n // invalid
leading 0\n if (path.charAt(0) === '0' && isNaN(path)) { return false }\n\n return isLiteral(trimmed) ?
stripQuotes(trimmed) : '*' + trimmed\n}\n\n/**\n * Parse a string path into an array of segments\n */\n\nfunction
parse$1 (path) {\n var keys = [];\n var index = -1;\n var mode = BEFORE_PATH;\n var subPathDepth = 0;\n var
c;\n var key;\n var newChar;\n var type;\n var transition;\n var action;\n var typeMap;\n var actions = [];\n\n
actions[PUSH] = function () {\n if (key !== undefined) {\n
keys.push(key);\n
key = undefined;\n }\n
};\n\n actions[APPEND] = function () {\n if (key === undefined) {\n
key = newChar;\n } else {\n
key +=
newChar;\n }\n };\n\n actions[INC_SUB_PATH_DEPTH] = function () {\n actions[APPEND]();\n
subPathDepth++;\n };\n\n actions[PUSH_SUB_PATH] = function () {\n if (subPathDepth > 0) {\n
subPathDepth--;\n
mode = IN_SUB_PATH;\n
actions[APPEND]();\n } else {\n
subPathDepth = 0;\n
key = formatSubPath(key);\n
if (key === false) {\n
return false\n
} else {\n
actions[PUSH]();\n
}\n }\n };\n\n function maybeUnescapeQuote () {\n var nextChar = path[index + 1];\n if ((mode ===
IN_SINGLE_QUOTE && nextChar === \"'\") ||\n
(mode === IN_DOUBLE_QUOTE && nextChar === '\"'))
{\n
index++;\n
newChar = '\\\\' + nextChar;\n
actions[APPEND]();\n
return true\n }\n }\n\n while
(mode !== null) {\n index++;\n c = path[index];\n\n if (c === '\\\\' && maybeUnescapeQuote()) {\n
continue\n }\n\n type = getPathCharType(c);\n typeMap = pathStateMachine[mode];\n transition =
typeMap[type] || typeMap['else'] || ERROR;\n\n if (transition === ERROR) {\n
return // parse error\n }\n\n
mode = transition[0];\n action = actions[transition[1]];\n if (action) {\n
newChar = transition[2];\n
newChar = newChar === undefined\n
? c\n
: newChar;\n
if (action() === false) {\n
return\n
}\n
}\n\n if (mode === AFTER_PATH) {\n
return keys\n }\n }\n}\n\n\n\n\n\nvar I18nPath = function I18nPath
() {\n this._cache = Object.create(null);\n};\n\n/**\n * External parse that check for a cache hit first\n
*/\nI18nPath.prototype.parsePath = function parsePath (path) {\n var hit = this._cache[path];\n if (!hit) {\n hit =

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parse$1(path);\n if (hit) {\n
this._cache[path] = hit;\n }\n }\n return hit || []\n};\n\n/**\n * Get path value
from path string\n */\nI18nPath.prototype.getPathValue = function getPathValue (obj, path) {\n if (!isObject(obj)) {
return null }\n\n var paths = this.parsePath(path);\n if (paths.length === 0) {\n return null\n } else {\n var
length = paths.length;\n var last = obj;\n var i = 0;\n while (i < length) {\n
var value = last[paths[i]];\n
if
(value === undefined) {\n
return null\n
}\n
last = value;\n
i++;\n }\n\n return last\n }\n};\n\n/*
*/\n\n\n\nvar numberFormatKeys = [\n 'style',\n 'currency',\n 'currencyDisplay',\n 'useGrouping',\n
'minimumIntegerDigits',\n 'minimumFractionDigits',\n 'maximumFractionDigits',\n 'minimumSignificantDigits',\n
'maximumSignificantDigits',\n 'localeMatcher',\n 'formatMatcher'\n];\nvar linkKeyMatcher = /(?:@(?:\\.[az]+)?:(?:[\\w\\-_|.]+|\\([\\w\\-_|.]+\\)))/g;\nvar linkKeyPrefixMatcher = /^@(?:\\.([a-z]+))?:/;\nvar bracketsMatcher =
/[()]/g;\nvar formatters = {\n 'upper': function (str) { return str.toLocaleUpperCase(); },\n 'lower': function (str) {
return str.toLocaleLowerCase(); }\n};\n\nvar VueI18n = function VueI18n (options) {\n var this$1 = this;\n if (
options === void 0 ) options = {};\n\n // Auto install if it is not done yet and `window` has `Vue`.\n // To allow
users to avoid auto-installation in some cases,\n // this code should be placed here. See #290\n /* istanbul ignore if
*/\n if (!Vue && typeof window !== 'undefined' && window.Vue) {\n install(window.Vue);\n }\n\n var locale =
options.locale || 'en-US';\n var fallbackLocale = options.fallbackLocale || 'en-US';\n var messages =
options.messages || {};\n var dateTimeFormats = options.dateTimeFormats || {};\n var numberFormats =
options.numberFormats || {};\n\n this._vm = null;\n this._formatter = options.formatter || new BaseFormatter();\n
this._missing = options.missing || null;\n this._root = options.root || null;\n this._sync = options.sync === undefined
? true : !!options.sync;\n this._fallbackRoot = options.fallbackRoot === undefined\n ? true\n :
!!options.fallbackRoot;\n this._silentTranslationWarn = options.silentTranslationWarn === undefined\n ? false\n
: !!options.silentTranslationWarn;\n this._dateTimeFormatters = {};\n this._numberFormatters = {};\n this._path =
new I18nPath();\n this._dataListeners = [];\n\n this._exist = function (message, key) {\n if (!message || !key) {
return false }\n return !isNull(this$1._path.getPathValue(message, key))\n };\n\n this._initVM({\n locale:
locale,\n fallbackLocale: fallbackLocale,\n messages: messages,\n dateTimeFormats: dateTimeFormats,\n
numberFormats: numberFormats\n });\n};\n\nvar prototypeAccessors = { vm: { configurable: true },messages: {
configurable: true },dateTimeFormats: { configurable: true },numberFormats: { configurable: true },locale: {
configurable: true },fallbackLocale: { configurable: true },missing: { configurable: true },formatter: { configurable:
true },silentTranslationWarn: { configurable: true } };\n\nVueI18n.prototype._initVM = function _initVM (data) {\n
var silent = Vue.config.silent;\n Vue.config.silent = true;\n this._vm = new Vue({ data: data });\n
Vue.config.silent = silent;\n};\n\nVueI18n.prototype.subscribeDataChanging = function subscribeDataChanging
(vm) {\n this._dataListeners.push(vm);\n};\n\nVueI18n.prototype.unsubscribeDataChanging = function
unsubscribeDataChanging (vm) {\n remove(this._dataListeners, vm);\n};\n\nVueI18n.prototype.watchI18nData =
function watchI18nData () {\n var self = this;\n return this._vm.$watch('$data', function () {\n var i =
self._dataListeners.length;\n while (i--) {\n
Vue.nextTick(function () {\n
self._dataListeners[i] &&
self._dataListeners[i].$forceUpdate();\n
});\n }\n }, { deep: true })\n};\n\nVueI18n.prototype.watchLocale =
function watchLocale () {\n /* istanbul ignore if */\n if (!this._sync || !this._root) { return null }\n var target =
this._vm;\n return this._root.$i18n.vm.$watch('locale', function (val) {\n target.$set(target, 'locale', val);\n
target.$forceUpdate();\n }, { immediate: true })\n};\n\nprototypeAccessors.vm.get = function () { return this._vm
};\n\nprototypeAccessors.messages.get = function () { return looseClone(this._getMessages())
};\nprototypeAccessors.dateTimeFormats.get = function () { return looseClone(this._getDateTimeFormats())
};\nprototypeAccessors.numberFormats.get = function () { return looseClone(this._getNumberFormats())
};\n\nprototypeAccessors.locale.get = function () { return this._vm.locale };\nprototypeAccessors.locale.set =
function (locale) {\n this._vm.$set(this._vm, 'locale', locale);\n};\n\nprototypeAccessors.fallbackLocale.get =
function () { return this._vm.fallbackLocale };\nprototypeAccessors.fallbackLocale.set = function (locale) {\n
this._vm.$set(this._vm, 'fallbackLocale', locale);\n};\n\nprototypeAccessors.missing.get = function () { return
this._missing };\nprototypeAccessors.missing.set = function (handler) { this._missing = handler;
};\n\nprototypeAccessors.formatter.get = function () { return this._formatter };\nprototypeAccessors.formatter.set =
function (formatter) { this._formatter = formatter; };\n\nprototypeAccessors.silentTranslationWarn.get = function ()

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{ return this._silentTranslationWarn };

prototypeAccessors.silentTranslationWarn.set = function (silent) {
  this._silentTranslationWarn = silent;
};

VueI18n.prototype._getMessages = function _getMessages () {
  return this._vm.messages
};

VueI18n.prototype._getDateTimeFormats = function _getDateTimeFormats () {
  return this._vm.dateTimeFormats
};

VueI18n.prototype._getNumberFormats = function _getNumberFormats () {
  return this._vm.numberFormats
};

VueI18n.prototype._warnDefault = function _warnDefault (
locale, key, host, interpolateMode, values, 
visitedLinkStack) {
  if (isNull(result)) { return result }
  if (this._missing) {
    var missingRet = this._missing.apply(null, 
[locale, key, vm, values]);
    if (typeof missingRet === 'string') {
      return missingRet
    }
  } else {
    if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
      warn("Cannot translate the value of keypath '" + key + "+" +\n"Use the value of keypath as default."");
    }
  }
  return key
};

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
  return !val ||
  !isNull(this._root) &&
  this._fallbackRoot
};

VueI18n.prototype._interpolate = function _interpolate (
locale, message, key, host, interpolateMode, values, 
visitedLinkStack) {
  if (!message) { return null }

  var pathRet = this._path.getPathValue(message, key);
  if (Array.isArray(pathRet) ||
    isPlainObject(pathRet)) { return pathRet }

  var ret;
  if (isNull(pathRet)) {
    /* istanbul ignore else */
    if (isPlainObject(message)) {
      ret = message[key];
      if (typeof ret !== 'string') {
        if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
          warn("Value of key '" + key + "' is not a string!"));
        }
        return null
      }
    } else {
      return null
    }
  } else {
    /* istanbul ignore else */
    if (typeof pathRet === 'string') {
      ret = pathRet;
    } else {
      if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
        warn("Value of key '" + key + "' is not a string!"));
      }
      return null
    }
  }

  // Check for the existence of links within the translated string
  if (ret.indexOf('@:') >= 0 || ret.indexOf('@.') >= 0) {
    ret = this._link(locale, message, ret, host,
    interpolateMode, values, visitedLinkStack);
  }

  return this._render(ret, interpolateMode, values)
};

VueI18n.prototype._link = function _link (
locale, message, str, host, 
interpolateMode, values, 
visitedLinkStack) {
  var this$1 = this;

  var ret = str;

  // Match all the links within the local
  // We are going to replace each of
  // them with their translation
  var matches = ret.match(linkKeyMatcher);
  for (var idx in matches) {
    // ie compatible: filter custom array
    // prototype method
    if (matches.hasOwnProperty(idx)) {
      var link = matches[idx];
      var linkKeyPrefixMatches = link.match(linkKeyPrefixMatcher);
      var linkPrefix = linkKeyPrefixMatches[0];
      var formatterName = linkKeyPrefixMatches[1];

      // Remove the leading @:, @.case: and the brackets
      var linkPlaceholder = link.replace(linkPrefix, '').replace(bracketsMatcher, '');

      if (visitedLinkStack.includes(linkPlaceholder)) {
        if (process.env.NODE_ENV !== 'production') {
          warn("Circular reference found. '\"" + link + '\"\" is already
visited in the chain of\"' + (visitedLinkStack.reverse().join(' <- '))));
        }
        return ret
      }
      visitedLinkStack.push(linkPlaceholder);

      // Translate the link
      var translated = this$1._interpolate(locale,
      message, linkPlaceholder, host, interpolateMode === 'raw' ? 'string' : interpolateMode,
      interpolateMode === 'raw' ? undefined : values, 
visitedLinkStack) ;
      if (this$1._isFallbackRoot(translated)) { return translated }

      var root = this$1._root.$i18n;
      translated = root._translate(
      root.locale, root.fallbackLocale,
      linkPlaceholder, host, interpolateMode, values); 
    } 
    translated = 
    this$1._warnDefault(locale, linkPlaceholder, translated, host, 
Array.isArray(values) ? values : [values]);
  } 
  return this$1._render(translated, interpolateMode, 
locale, message, key, host, interpolateMode === 'raw' ? 'string' : interpolateMode,
args) ;

  } 

  return null
};

VueI18n.prototype._render = function _render (message,
interpolateMode, values) {
  var ret = this._formatter.interpolate(message, values);
  // if interpolateMode is **not** 'string',
  // return the compiled data (e.g. ['foo', VNode, 'bar']) with formatter
  return interpolateMode === 'string' ? ret.join('') : ret
};
this._interpolate(locale, messages[locale], key, host, interpolateMode, args, [key]);
} else {
  //...
setDateTimeFormat (locale, format) {
  this._vm.$set(this._vm.dateTimeFormats, locale, format);
}

vueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallback, dateTimeFormats, key) {
  var _locale = locale;
  var formats = dateTimeFormats[_locale] || {};

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    if (process.env.NODE_ENV !== 'production') {
      warn("Fall back to " + fallback + " datetime localization of root: key " + key + ".");
    }
    _locale = fallback;
    formats = dateTimeFormats[_locale] || {};
  }

  var ret = this._localizeDateTime(value, _locale, formats, key);

  if (this._isFallbackRoot(ret)) {
    if (process.env.NODE_ENV !== 'production') {
      warn("Fall back to datetime localization of root: key " + key + ",
    } else {
      // istanbul ignore if 
      return ret
    }
  }
}

vueI18n.prototype.d = function d (value) {
  var args = [], len = arguments.length - 1;
  while (len-- > 0) args[len] = arguments[len + 1];

  var locale = this.locale;
  var key = null;

  if (args.length === 1) {
    if (typeof args[0] === 'string') {
      key = args[0];
    } else if (isObject(args[0])) {
      if (args[0].locale) {
        locale = args[0].locale;
      }
      if (args[0].key) {
        key = args[0].key;
      }
    }
  } else if (args.length === 2) {
    if (typeof args[0] === 'string') {
      key = args[0];
    }
    if (typeof args[1] === 'string') {
      locale = args[1];
    }
  }

  return this._d(value, locale, key)
}

vueI18n.prototype.getNumberFormat = function getNumberFormat (locale) {
  return looseClone(this._vm.numberFormats[locale] || {})
}

vueI18n.prototype.setNumberFormat = function setNumberFormat (locale, format) {
  this._vm.$set(this._vm.numberFormats, locale, format);
}

vueI18n.prototype.mergeNumberFormat = function mergeNumberFormat (locale, format) {
  this._vm.$set(this._vm.numberFormats[locale], merge(this._vm.numberFormats[locale], format));
}

vueI18n.prototype._localizeNumber = function _localizeNumber (value, locale, fallback, numberFormats, key, options) {
  var _locale = locale;
  var formats = numberFormats[_locale] || {};

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    if (process.env.NODE_ENV !== 'production') {
      warn("Fall back to " + fallback + " number format from " + locale + ",
    } else {
      // istanbul ignore if 
      return null
    }
  } else {
    var format = formats[key];

    var formatter;
    if (options) {
      // If options specified - create one time number formatter
      formatter = new Intl.NumberFormat(_locale, Object.assign({}, format, options));
    } else {
      var id = _locale + "__" + key;
      if (this._numberFormatters[id]) {
        formatter = this._numberFormatters[id];
      } else {
        formatter = this._numberFormatters[id] = new Intl.NumberFormat(_locale, format);
      }
    }

    return formatter.format(value)
  }
}

vueI18n.prototype.n = function n (value) {
  var args = [], len = arguments.length - 1;
  while (len-- > 0) args[len] = arguments[len + 1];

  var locale = this.locale;
  var

key = null;
var options = null;

if (args.length === 1) {
  var key = args[0];
} else if (isObject(args[0])) {
  var locale = args[0].locale;
  key = args[0].key;
}

// Filter out number format options only
options = Object.keys(args[0]).reduce(function (acc, key) {
  var obj = {},
      obj[key] = args[0][key],
      obj })

return Object.assign(
  { locale: args[1] },
  return this._n(value, locale, key,
  options })
}

VueI18n.prototype = Object.getPrototypeOf(VueI18n.prototype);
weight-bold text-primary h5"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.impacts.rules.highlight'))+"\n")],_c('ul',{staticClass:"donate-form__insider__list"},_vm._l((_vm.$t('donate-form.benefits.impacts.rules.list')),function(t){return _c('li',{staticClass:"donate-form__insider__list-item"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.impacts.rules.list'))+"\n")])}))],_c('div',{staticClass:"Article"},[_c('div',[_c('p',{staticClass:"donate-form__insider__highlight text-icij font-weight-bold"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.impacts.rules.highlight'))+"\n")]),_c('ul',{staticClass:"donate-form__insider__list"},_vm._l((_vm.$t('donate-form.benefits.impacts.world.list')),function(t){return _c('li',{staticClass:"donate-form__insider__list-item"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.impacts.world.list'))+"\n")])}))],_c('hr',{staticClass:"donate-form__insider__separator"}),_c('div',{staticClass:"donate-form__insider__more text-center"},[_c('a',{staticClass:"btn btn-primary rounded-pill text-uppercase font-weight-bold py-2",attrs:{"target":"_blank","href":"https://icij.org/donate"}},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.more'))+"\n")])])])])],_c('div',{staticClass:"Article"},[_c('div',[_c('p',{staticClass:"donate-form__insider__highlight text-icij font-weight-bold"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.world.highlight'))+"\n")]),_c('ul',{staticClass:"donate-form__insider__list"},_vm._l((_vm.$t('donate-form.benefits.world.list')),function(t){return _c('li',{staticClass:"donate-form__insider__list-item"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.world.list'))+"\n")])}))],_c('hr',{staticClass:"donate-form__insider__separator"}),_c('div',{staticClass:"donate-form__insider__more text-center"},[_c('a',{staticClass:"btn btn-primary rounded-pill text-uppercase font-weight-bold py-2",attrs:{"target":"_blank","href":"https://icij.org/donate"}},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.more'))+"\n")])])])])],_c('div',{staticClass:"Article"},[_c('div',[_c('p',{staticClass:"donate-form__insider__highlight text-icij font-weight-bold"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.world.highlight'))+"\n")]),_c('ul',{staticClass:"donate-form__insider__list"},_vm._l((_vm.$t('donate-form.benefits.world.list')),function(t){return _c('li',{staticClass:"donate-form__insider__list-item"},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.world.list'))+"\n")])}))],_c('hr',{staticClass:"donate-form__insider__separator"}),_c('div',{staticClass:"donate-form__insider__more text-center"},[_c('a',{staticClass:"btn btn-primary rounded-pill text-uppercase font-weight-bold py-2",attrs:{"target":"_blank","href":"https://icij.org/donate"}},[vm._v("\n + vm.$s(vm.$t('donate-form.benefits.more'))+"\n")])])])])])

var staticRenderFns = [
  function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;
    return _c('template',null,
      <div class="donate-form container-fluid py-2">
        <h2 class="text-uppercase font-weight-bold text-primary h5" v-if="!noTitle">
          {{ $t('donate-form.support') }}
        </h2>
        <!-- @slot Description of the form (below the title). -->
        <slot name="introduction">
          <p v-html="$t('donate-form.introduction')"></p>
        </slot>
        <div class="donate-form__payment mb-4">
          <form
            action="//checkout.fundjournalism.org/memberform" method="get" target="_blank" class="donate-form__payment__form bg-light p-4">
            <h3 class="donate-form__payment__title h5 mb-4">
              <strong>
                {{ $t('donate-form.join-heading') }}
              </strong>
            </h3>
            <div>
              <span>{{ $t('donate-form.label') }}&nbsp;</span>
              <label class="donate-form__payment__unit input-group input-group-sm d-inline-flex">
                <span class="input-group-prepend">
                  <span class="input-group-text">$
                  </span>
                </span>
                <input class="donate-form__payment__input form-control" name="amount" v-model="amount" @change="amountIsPristine = false" type="number" min="0">
              </label>
              <span class="donate-form__payment__buttons">
                <button type="button" class="btn btn-sm" :class="{ 'btn-primary': installmentPeriod === 'monthly' }
                @click="installmentPeriod = 'monthly'">
                  {{ $t('donate-form.frequency.monthly') }}
                </button>
                <button type="button" class="btn btn-sm" :class="{ 'btn-primary': installmentPeriod === 'yearly' }
                @click="installmentPeriod = 'yearly'">
                  {{ $t('donate-form.frequency.yearly') }}
                </button>
                <button type="button" class="btn btn-sm" :class="{ 'btn-primary': installmentPeriod === null }" @click="installmentPeriod = null">
                  {{ $t('donate-form.frequency.onetime') }}
                </button>
              </span>
            </div>
            <p v-if="changeThe" class="mt-2" v-html="$t('donate-form.result.sentence', { target: changeThe })"></p>
            <div class="mt-4">
              <input name="org_id" value="icij" type="hidden">
              <input name="installmentPeriod" v-model="installmentPeriod" type="hidden">
              <button type="submit" class="btn btn-primary rounded-pill text-uppercase font-weight-bold">
                {{ $t('donate-form.submit') }}
              </button>
              <a target="_blank" href="https://icij.org/donate" class="donate-form__payment__image"></a>
            </div>
          </form>
        </div>
        <div class="donate-form__insider">
          <h2 class="donate-form__insider__title">
            {{ $t('donate-form.benefits.heading') }}
          </h2>
          <p>
            {{ $t('donate-form.benefits.introduction') }}
          </p>
          <div class="donate-form__insider__modal__container row">
            <div class="col">
              <h3
                class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5" v-if="!noTitle">
                {{ $t('donate-form.world.heading') }}
              </h3>
              <p>
                {{ $t('donate-form.world.introduction') }}
              </p>
              <div class="donate-form__insider__list">
                <ul class="donate-form__insider__list">
                  <li>{{ $t('donate-form.world.list') }}</li>
                  <li>{{ $t('donate-form.world.list') }}</li>
                </ul>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>

    <template v-if="!noTitle">
      <div class="donate-form__insider__title">
        {{ $t('donate-form.benefits.heading') }}
      </div>
      <div class="donate-form__insider__list">
        <ul class="donate-form__insider__list">
          <li>{{ $t('donate-form.benefits.list') }}</li>
          <li>{{ $t('donate-form.benefits.list') }}</li>
        </ul>
      </div>
    </template>
  </div>
</template>
We usually put this form inside a modal.

```html
<modal class="modal dark">
  <div class="modal-body">
    <div class="donate-form__insider">
      <h3 class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5">
        {{ $t('donate-form.benefits.impacts.conversation.heading') }}
      </h3>
      <div class="Article">
        <div>
          <p class="donate-form__insider__highlight text-icij font-weight-bold">
            {{ $t('donate-form.benefits.impacts.conversation.highlight') }}
          </p>
          <ul
            $t('donate-form.benefits.impacts.conversation.list')">
            {{ t }}
          </ul>
        </div>
      </div>
      <div class="col">
        <h3 class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5">
          {{ $t('donate-form.benefits.impacts.rules.heading') }}
        </h3>
        <div class="Article">
          <div>
            <p class="donate-form__insider__highlight text-icij font-weight-bold">
              {{ $t('donate-form.benefits.impacts.rules.highlight') }}
            </p>
            <ul
              $t('donate-form.benefits.impacts.rules.list')">
              {{ t }}
            </ul>
          </div>
        </div>
      </div>
      <div class="col">
        <h3 class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5">
          {{ $t('donate-form.benefits.impacts.world.heading') }}
        </h3>
        <div class="Article">
          <div>
            <p class="donate-form__insider__highlight text-icij font-weight-bold">
              {{ $t('donate-form.benefits.impacts.world.highlight') }}
            </p>
            <ul
              $t('donate-form.benefits.impacts.world.list')">
              {{ t }}
            </ul>
          </div>
        </div>
      </div>
    </div>
  </div>
</modal>
```

We provide a form to encourage donations.

```html
<donate-form />
```

The form is usually put inside a modal.

```html
<modal class="modal dark">
  <div class="modal-body">
    <h3 class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5">
      {{ $t('donate-form.introduction') }}
    </h3>
    <div class="Article">
      <div>
        <p class="donate-form__insider__highlight text-icij font-weight-bold">
          {{ $t('donate-form.introduction.highlight') }}
        </p>
        <ul
          $t('donate-form.introduction.list')">
          {{ t }}
        </ul>
      </div>
    </div>
  </div>
</modal>
```

We encourage you to give as much as you can.

```html
<donate-form />
```

We need a lot of money.

```html
<donate-form />
```

We need more money.

```html
<donate-form />
```

We encourage you to give as much as you can.

```html
<donate-form />
```
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var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', {
    staticClass: 'embeddable-footer p-2 text
    nowrap'
  }, [
    _c('a', {
      staticClass: 'text-white embeddable-
    footer__brand',
      attrs: {
        'href': _vm.homeUrl,
        'target': '_blank'
      }
    }, [
      _c('img', {
        staticClass: 'mr-
    2',
        attrs: {
          'src': require('~/../assets/images/icij-white.png'),
          'height': '20'
        }
      })
    ],
    _c('div', {
      staticClass: 'embeddable-footer__lead small text-
    truncate',
      domProps: {
        'innerHTML': _vm._s(_vm.lead)
      }
    }, _c('button', {
      staticClass: 'btn btn-link text-white btn-sm
    py-0 embeddable-footer__share-btn',
      class: {
        active: _vm.showShareOptions
      }
    }, [
      _c('fa', {
        attrs: {
          'icon': 'share-alt'
        }
      }, _c('span', {
        staticClass: 'sr-
    only'
      }, _vm._v(_vm._s(_vm.$t('embeddable-footer.share'))
    )), _vm._e()]
    ),
    _vm.showShareOptions ? _c('sharing-
    options', {
      attrs: {
        'values': _vm.sharingOptionsValues,
        'direction': 'column-reverse',
        'iframe-min-height': _vm.iframeMinHeight,
        'iframe-min-width': _vm.iframeMinWidth
      }
    }) : _vm._e()
  ], 1)
};

var staticRenderFns = [
]

export { render, staticRenderFns }
self._value = newValue;
        finale(self);
        return;
      } else if (typeof then === 'function') {
        doResolve(bind(then, newValue), self);
        return;
      } else if (typeof resolve === 'function') {
        resolve(self, newValue);
        return;
      }
    }
    self._state = 1;
    self._value = newValue;
    finale(self);
  } catch (e) {
    reject(self, e);
  }
}

function reject(self, newValue) {
  self._state = 2;
  self._value = newValue;
  finale(self);
}

function finale(self) {
  if (self._state === 2 &&
      self._deferreds.length === 0) {
    Promise._immediateFn(function() {
      if (!self._handled) {
        Promise._unhandledRejectionFn(self._value);
      }

      for (var i = 0, len = self._deferreds.length; i <
          len; i++) {
        handle(self, self._deferreds[i]);
      }
    });
  }

  for (var i = 0, len = self._deferreds.length; i <
      len; i++) {
    handle(self, self._deferreds[i]);
  }
  self._deferreds = null;
}

/**
 * @constructor
 */
function Handler(onFulfilled, onRejected, promise) {
  this.onFulfilled = typeof onFulfilled === 'function' ?
      onFulfilled : null;
  this.onRejected = typeof onRejected === 'function' ?
      onRejected : null;
  this.promise =
      promise;
}

/**
 * Take a potentially misbehaving resolver function and make sure
 * onFulfilled and onRejected are only called once.
 *
 * Makes no guarantees about asynchrony.
 */
function doResolve(fn, self)
  {
    var done = false;
    try {
      fn(
        function(value) {
          if (done) return;
          done = true;
          resolve(self, value);
        },
        function(reason) {
          if (done) return;
          done = true;
          reject(self, reason);
        }
      );
    } catch (ex) {
      if (done) return;
      done = true;
      reject(self, ex);
    }
}

Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  // @ts-ignore
  var prom =
      new this.constructor(noop);

  handle(this, new Handler(onFulfilled, onRejected, prom));
  return
      prom;
};

Promise.prototype['finally'] = function(fn) {
  // @ts-ignore
  var prom =
      new this.constructor(noop);

  handle(this, new Handler(fn, null, prom));
  return
      prom;
};

Promise.all = function(arr) {
  return new
      Promise(function(resolve, reject) {
    if (!arr || typeof arr.length === 'undefined')
      throw new
          TypeError('Promise.all accepts an array');
    var args = Array.prototype.slice.call(arr);
    if (args.length === 0)
      return resolve([ ]);;
    var remaining = args.length;

    function res(i, val) {
      try {
        if (val && (typeof val
            === 'object' || typeof val === 'function')) {
          var then = val.then;
          if (typeof then === 'function') {
            then.call(
              val, res(i, val), reject
            );
            return;
          }
        }
        args[i] = val;
        if (--remaining === 0) {
          resolve(args);
        }
      } catch (ex) {
        reject(ex);
      }
    }

    for (var i = 0; i < args.length; i++) {
      res(i, args[i]);
    }
  });
};

Promise.resolve = function(value) {
  if (value && typeof value === 'object' && value.constructor ===
      Promise) {
    return value;
  }

  return new Promise(function(resolve) {
    resolve(value);
  });
};

Promise.reject = function(value) {
  return new Promise(function(resolve, reject) {
    reject(value);
  });
};

Promise.race = function(values) {
  return new Promise(function(resolve, reject) {
    for (var i = 0, len = values.length; i <
        len; i++) {
      values[i].then(resolve, reject);
    }
  });
};

// Use polyfill for
setImmediate for performance gains
Promise._immediateFn =
  (typeof setImmediate === 'function' &&
    function(fn) {
      setImmediate(fn);
    }) ||
  function(fn) {
    setTimeoutFunc(fn, 0);
  };

Promise._unhandledRejectionFn = function _unhandledRejectionFn(err) {
  if (typeof console !== 'undefined' &&
      console) {
    console.warn('Possible Unhandled Promise Rejection:', err); // eslint-disable-line no-console
  }
};

export default Promise;
minifier to shorten methods to a single character variable, as well as giving BV a chance to inject polyfills. As long as we avoid * - import * as Object from 'utils/object' * all unused exports should be removed by tree-shaking. */

if (typeof Object.assign !== 'function') {
  Object.assign = function (target, varArgs) {
    // .length of function is 2
    if (target == null) { throw new TypeError('Cannot convert undefined or null to object'); }
    var var nextSource = arguments[index];
    if (nextSource != null) { throw new TypeError('Cannot convert undefined or null to object'); }
    // Skip over if undefined or null
    for (var nextKey in nextSource) { 
      // Avoid bugs when hasOwnProperty is shadowed
      if (Object.prototype.hasOwnProperty.call(nextSource, nextKey)) { 
        var to = Object(target);
        for (var index = 1; index < arguments.length; index++) {
          var nextSource = arguments[index];
          if (nextSource != null) {
            for (var nextKey in nextSource) {
              to[nextKey] = nextSource[nextKey];
            }
          }
        }
      }
    }
    return to;
  };
}

// @link https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/is#Polyfill
if (!Object.is) {
  Object.is = function (x, y) {
    // SameValue algorithm
    if (x === y) { // Steps 1-5, 7-10 // Steps 6.b-6.e: +0 !== -0 return x !== 0 || 1 / x === 1 / y; }
    else { // Step 6.a: NaN === NaN // eslint-disable-next-line no-self-compare
      return x !== x && y !== y;
    }
  };
}

export var assign = Object.assign;
export var getOwnPropertyNames = Object.getOwnPropertyNames;
export var keys = Object.keys;
export var defineProperties = Object.defineProperties;
export var defineProperty = Object.defineProperty;
export var freeze = Object.freeze;
export var getOwnPropertyDescriptor = Object.getOwnPropertyDescriptor;
export var getOwnPropertySymbols = Object.getOwnPropertySymbols;
export var getPrototypeOf = Object.getPrototypeOf;
export var create = Object.create;
export var isFrozen = Object.isFrozen;
export var is = Object.is;

export function readonlyDescriptor() {
  return { enumerable: true, configurable: false, writable: false; }
}

// Production steps of ECMA-262, Edition 6, 22.1.2.1
// es6-ified by @alexsasharegan
if (!Array.from) {
  Array.from = function () {
    var toStr = Object.prototype.toString;
    var isCallable = function isCallable(fn) {
      return typeof fn === 'function' || toStr.call(fn) === '[object Function]';
    };
    var toInteger = function toInteger(value) {
      var number = Number(value);
      if (isNaN(number)) {
        return 0;
      }
      if (number === 0 || !isFinite(number)) {
        return number;
      }
    };
    var maxSafeInteger = Math.pow(2, 53) - 1;
    var toLength = function toLength(value) {
      return Math.min(Math.max(toInteger(value), 0), maxSafeInteger);
    };

    // The length property of the from method is 1.
    return function from(arrayLike /*, mapFn, thisArg */) {
      // 1. Let C be the this value.
      // 2. Let items be ToObject(arrayLike).
      var len = toLength(items.length);
      if (len < 0) { throw new TypeError('Array.from requires an array-like object - not null or undefined'); }
    };
  }();
}

// https://tc39.github.io/ecma262/#sec-array.prototype.find
// Needed for IE support
if (!Array.prototype.find) {
  // eslint-disable-next-line no-extend-native
  Object.defineProperty(Array.prototype, 'find', {
    value: function value(predicate) {
      // 1. Let O be ToObject(this value).
      if (this == null) { throw new TypeError('"this" is null or not defined'); }
      // 2. Let items be ToObject(arrayLike).
      var T = arguments[1];
      // 3. ReturnIfAbrupt(items).
      if (arrayLike == null) { throw new TypeError('Array.from requires an array-like object - not null or undefined'); }
    };
  }());
}
var o = Object(this);

      // 2. Let len be ? ToLength(? Get(O, "length")).
      var len = o.length >>> 0;

      // 3. If IsCallable(predicate) is false, throw a TypeError exception.
      if (typeof predicate !== 'function') {
        throw new TypeError('predicate must be a function');
      }

      // 4. If thisArg is supplied, let T be thisArg; else let T be undefined.
      var thisArg = arguments[1] || undefined;

      // 5. Let k be 0; while k < len, while (k < len) { // a. Let Pk be ? ToString(k).}
      // b. Let kValue be ? Get(O, Pk);
      // c. Let testResult be ToBoolean(? Call(predicate, T, « kValue, k, O »));
      // d. If testResult is true, return kValue.
      while (k < len) {
        var kValue = o[k];
        if (predicate.call(thisArg, kValue, k, o)) {
          return kValue;
        }
      }

      // 7. Return undefined.
      return undefined;
    }
  });
}

if (!Array.isArray) {
  Array.isArray = function (arg) {
    return Object.prototype.toString.call(arg) === '[object Array]';
  };
}

// Static
export var from = Array.from;
export var isArray = Array.isArray;

// Instance
export var arrayIncludes = function arrayIncludes(array, value) {
  return array.indexOf(value) !== -1;
};
export var arrayFind = function arrayFind(array, fn, thisArg) {
  return array.find(fn, thisArg);
};
export function concat() {
  return Array.prototype.concat.apply([], arguments);
}

export default function identity(x) {
  return x;
}

import { keys } from './object';
import { isArray } from './array';
import identity from './identity';

/**
 * Given an array of properties or an object of property keys,
 * plucks all the values off the
 * target object.
 * @param {*|string[]} keysToPluck
 * @param {{}} objToPluck
 * @param {Function} transformFn
 * @return {{}}
 */
export default function pluckProps(keysToPluck, objToPluck) {

  return (isArray(keysToPluck) ? keysToPluck.slice() : keys(keysToPluck)).reduce(function (memo, prop) {
    // eslint-disable-next-line no-sequences
    return memo[transformFn(prop)] = objToPluck[prop], memo;
  }, {});
}

// Determine if an element is an HTML Element
export var isElement = function isElement(el) {
  return el && el.nodeType === Node.ELEMENT_NODE;
};

// Determine if an HTML element is visible - Faster than CSS check
export var isVisible = function isVisible(el) {
  return isElement(el) && document.body.contains(el) && el.getBoundingClientRect().height > 0 &&
  el.getBoundingClientRect().width > 0;
};

// Determine if an element is disabled
export var isDisabled = function isDisabled(el) {
  return !isElement(el) || el.disabled || el.classList.contains('disabled') || Boolean(el.getAttribute('disabled'));
};

// Cause/wait-for an element to reflow its content (adjusting its
// height/width)
export var reflow = function reflow(el) {
  return isElement(el) && el.offsetHeight;
};

// Select all elements matching selector. Returns [] if none found
export var selectAll = function selectAll(selector, root) {
  if (!isElement(root)) {
    root = document;
  }
  return arrayFrom(root.querySelectorAll(selector));
}

// Select a single element, returns null if not found
export var select = function select(selector, root) {
  if (!isElement(root)) {
    root = document;
  }
  return root.querySelector(selector) || null;
};

// Determine if an element matches a selector
export var matches = function matches(el, selector) {
  if (!isElement(el)) {
    return false;
  }

  // Prefer native implementations over polyfill function
  var proto = el.constructor.prototype;
  var Matches = proto.matches || proto.webkitMatchesSelector || proto.msMatchesSelector || proto.oMatchesSelector ||
  /* istanbul ignore next */
  function (sel) {
    var element = this;
    var m = selectAll(sel, element.document || element.ownerDocument);
    var i = m.length; // eslint-disable-next-line no-empty
    while (--i >= 0 && m.item(i) !== element) {
      return false;
    }
    return Matches.call(el, selector);
  };

  return Matches(el, selector);
};

// Finds closest
export var closest = function closest(selector, root) {
  if (!isElement(root)) {
    return null;
  }

  // Since we dont support IE < 10, we can use the "Matches" version of the
  // polyfill for speed
  // Prefer native implementation over polyfill function
  var Closetest = Element.prototype.closest ||
  /* istanbul ignore next */ istanbulignorenext closest ||
  /* istanbul ignore next */ istanbulignorenext function (sel) {
    var element = this;
    var m = selectAll(sel, element.document || element.ownerDocument);
    var i = m.length; // eslint-disable-next-line no-empty
    while (--i >= 0 && m.item(i) !== element) {
      return element;
    }
    return Closetest.call(el, selector);
  };

  return Closetest.call(root, selector);
}
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```javascript
selector); // Emulate jQuery closest and return null if match is the passed in element (root)
return el === root ? null : el;  

// Get an element given an ID
export var getById = function getElBy(id) {
  return document.getElementById('#' + id); // to support getElementsByCase()
}

// Add a class to an element
var addClass = function addClass(el, className) {
  if (el.classList && el.classList.contains(className)) {
    return null;
  }
  el.classList.add(className);
  return el;
}

// Remove a class from an element
var removeClass = function removeClass(el, className) {
  if (el.classList && el.classList.contains(className)) {
    el.classList.remove(className);
    return el;
  }
  return el;
}

// Test if an element has a class
var hasClass = function hasClass(el, className) {
  if (el.classList && el.classList.contains(className)) {
    return true;
  }
  return false;
}

// Set an attribute on an element
var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
    return el;
  }
  return null;
}

// Get an attribute value from an element
var getAttr = function getAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.getAttribute(attr);
  }
  return null;
}

// Determine if an attribute exists on an element (returns true or false, or null if element not found)
var hasAttr = function hasAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.getAttribute(attr) !== null;
  }
  return null;
}

// Get the Bounding Client Rec of an element. Retruns null if not an element
var getBCR = function getBCR(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
}

// Get computed style object for an element
var getCS = function getCS(el) {
  return isElement(el) ? window.getComputedStyle(el) : {};
}

// Return an element's offset wrt document element (returns null if not found)
var offset = function offset(el) {
  if (isElement(el)) {
    var rect = el.getBoundingClientRect();
    if (!rect.length) {
      return { top: 0, left: 0 }; // no real need for offsetParent in this case, but return it anyway
    }
    var win = el.ownerDocument.defaultView;
    return {
      top: rect.top + win.pageYOffset,
      left: rect.left + win.pageXOffset
    };
  }
  return null;
}

// Return an element's offset wrt to it's offsetParent (returns null if not found)
var position = function position(el) {
  if (isElement(el)) {
    var parent = el.offsetParent;
    if (parent) {
      return {
        top: el.offsetTop - parent.offsetTop,
        left: el.offsetLeft - parent.offsetLeft
      };
    }
    return null;
  }
  return null;
}

// Attach an event listener to an element
var eventOn = function eventOn(el, eventType, handler) {
  if (el && el.addEventListener) {
    el.addEventListener(eventType, handler);
  }
}

// Remove an event listener from an element
var eventOff = function eventOff(el, eventType, handler) {
  if (el && el.removeEventListener) {
    el.removeEventListener(eventType, handler);
  }
}

```
Safely register event listeners on the root Vue node.

* While Vue automatically removes listeners for individual components,
  * when a component registers a listener on root and is destroyed,
  * this orphans a callback because the node is gone;
  * but the root does not clear the callback.

* This adds a non-reactive prop to a vm on the fly;
  * in order to avoid object observation and its performance costs;
  * to something that needs no reactivity.

* @param {string} event
  * @param {function} callback
  * @chainable
  *
  * Convenience method for calling vm.$emit on vm.$root.

function listenOnRoot(event, callback) {
  if (!this[BVRL] || !isArray(this[BVRL])) {
    this[BVRL] = [];
  }
  this[BVRL].push({ event: event, callback: callback });
  this.$root.$on(event, callback);
  return this;
}

/**
 * Convenience method for calling vm.$emit on vm.$root.
 * @param {string} event
 * @param {function} callback
 * @chainable
 */
function emitOnRoot(event) {
  var _$root;

  for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
    args[_key - 1] = arguments[_key];
  }

  (_$root = this.$root).$emit.apply(_$root, [event].concat(_toConsumableArray(args)));
  return this;
}

beforeDestroy() {
  if (this[BVRL] && isArray(this[BVRL])) {
    while (this[BVRL].length > 0) {
      // shift to process in order
      var _BVRL$shift = this[BVRL].shift(),
          event = _BVRL$shift.event,
          callback = _BVRL$shift.callback;

      this.$root.$off(event, callback);
    }
  }
}

 mutationType

export default window.MutationObserver;

var eventListenerSupported = window.addEventListener;

// Handle case where we might be passed a vue instance
el = el ? el.$el || el : null;

/*
 * Event Listener mode
 * @param {Element} el The DOM element to observe
 * @param {Function} callback callback to be called on change
 * @param {object} [opts={childList: true, subtree: true}] observe options
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
  window.MozMutationObserver;

  eventListenerSupported = window.addEventListener;

  // Define a new observer
  obs = new MutationObserver(function (mutations) {
    var changed = false;

    // A Mutation can contain several change records, so we loop through them to see what has changed.
    for (var i = 0; i < mutations.length && !changed; i++) {
      // The mutation record
      var mutation = mutations[i];

      // Mutation Type
      var type = mutation.type;

      // DOM Node (could be any DOM Node type - HTML/Element, Text, comment, etc)
      var target = mutation.target;

      if (type === 'characterData' &\n        && target.nodeType === Node.TEXT_NODE) {
        // We can't observe something that isn't an element
        return null;
      }

      // We ignore nodes that are not TEXT (i.e. comments, etc) as they don't change layout
      changed = true;
    }
  });

  // We only call the callback if a change that could affect layout/size truly happened.
  callback();

  // Have the observer observe fo changes in children, etc
  obs.observe(el, assign({ childList: true, subtree: true }, opts));

  // Legacy interface. most likely not used in modern browsers
  el.addEventListener('DOMNodeInserted', callback, false);

  // Return a reference to the observer so that
  // obs.disconnect() can be called if necessary

  // To reduce overhead when the root element is hidden
  return obs;
}

/*
 * Key Codes (events)
 */
export default {
  SPACE: 32,
  ENTER: 13,
  ESC: 27,
  LEFT: 37,
  UP: 38,
  RIGHT: 39,
  DOWN: 40,
  PAGEUP: 31,
  PAGEDOWN: 34,
  HOME: 36,
  END: 35
};
this.is_transitioning\n ],\n on: {\n  click: function click(evt) {\n    this._this.hide('ok');\n    if (this.is_hidden) \n      return;\n    if (this.show) \n      return;\n    if (this.$slots['modal-ok']) \n      this.$emit('bv::modal::hide');\n    if (this.$slots['modal-cancel']) \n      this.$emit('bv::modal::hide-cancel');\n    \n    // Set props\n    this.props = {\n      $slots: {\n        modal-ok: \n          function modalOk() {\n            return [id: this.safeId('modal-ok')];\n          },\n        modal-cancel: \n          function modalCancel() {\n            return [id: this.safeId('modal-cancel')];\n          }\n      },\n      model: {\n        prop: 'visible',\n        event: 'change'\n      },\n      directive: {\n        name: 'v-if',\n        value: this.is_visible,\n        expression: 'is_visible'\n      },\n      props: {\n        title: {\n          type: String,\n          default: ''\n        },\n        titleTag: {\n          type: String,\n          default: 'h5'\n        },\n        bodyContent: {\n          type: String,\n          default: null\n        },\n        footerContent: {\n          type: String,\n          default: null\n        },\n        title: {\n          type: String,\n          default: null\n        },\n        footer: {\n          type: String,\n          default: null\n        },\n        backDrop: {\n          type: Boolean,\n          default: false\n        },\n        closeOnBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        centered: {\n          type: Boolean,\n          default: false\n        },\n        headerBgVariant: {\n          type: String,\n          default: null\n        },\n        headerBorderVariant: {\n          type: String,\n          default: null\n        },\n        headerTextVariant: {\n          type: String,\n          default: null\n        },\n        headerClass: {\n          type: String,\n          default: null\n        },\n        bodyBgVariant: {\n          type: String,\n          default: null\n        },\n        bodyTextVariant: {\n          type: String,\n          default: null\n        },\n        modalClass: {\n          type: String,\n          default: null\n        },\n        modalFooterClass: {\n          type: String,\n          default: null\n        },\n        footerClass: {\n          type: String,\n          default: null\n        },\n        footerClass: {\n          type: String,\n          default: null\n        },\n        hide: {\n          type: String,\n          default: null\n        },\n        hideHeaderClose: {\n          type: String,\n          default: null\n        },\n        hideFooter: {\n          type: String,\n          default: null\n        },\n        hideHeader: {\n          type: String,\n          default: null\n        },\n        hideBackdrop: {\n          type: String,\n          default: null\n        },\n        okOnly: {\n          type: Boolean,\n          default: false\n        },\n        okOnly: {\n          type: Boolean,\n          default: false\n        },\n        okDisabled: {\n          type: Boolean,\n          default: false\n        },\n        cancelDisabled: {\n          type: Boolean,\n          default: false\n        },\n        returnFocus: {\n          type: Boolean,\n          default: false\n        },\n        noFade: {\n          type: Boolean,\n          default: false\n        },\n        noTransition: {\n          type: Boolean,\n          default: false\n        },\n        noCloseOnBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        noCloseOnEsc: {\n          type: Boolean,\n          default: false\n        },\n        center: {\n          type: Boolean,\n          default: false\n        },\n        hideBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        hideBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        okOnly: {\n          type: Boolean,\n          default: false\n        },\n        okOnly: {\n          type: Boolean,\n          default: false\n        },\n        okDisabled: {\n          type: Boolean,\n          default: false\n        },\n        cancelDisabled: {\n          type: Boolean,\n          default: false\n        },\n        returnFocus: {\n          type: Boolean,\n          default: false\n        },\n        noFade: {\n          type: Boolean,\n          default: false\n        },\n        noTransition: {\n          type: Boolean,\n          default: false\n        },\n        noCloseOnBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        noCloseOnEsc: {\n          type: Boolean,\n          default: false\n        },\n        center: {\n          type: Boolean,\n          default: false\n        },\n        hideBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        hideBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        okOnly: {\n          type: Boolean,\n          default: false\n        },\n        okOnly: {\n          type: Boolean,\n          default: false\n        },\n        okDisabled: {\n          type: Boolean,\n          default: false\n        },\n        cancelDisabled: {\n          type: Boolean,\n          default: false\n        },\n        returnFocus: {\n          type: Boolean,\n          default: false\n        },\n        noFade: {\n          type: Boolean,\n          default: false\n        },\n        noTransition: {\n          type: Boolean,\n          default: false\n        },\n        noCloseOnBackdrop: {\n          type: Boolean,\n          default: false\n        },\n        noCloseOnEsc: {\n          type: Boolean,\n          default: false\n        },\n        center: {\n          type: Boolean,\n          default: false\n        },
false;

this4.returnFocusTo();

var hiddenEvt = new BvEvent('hidden', { cancelable: false,

vueTarget: this4, target: this4.lazy ? null : this4.$refs.modal, relatedTarget: null });

this4.emitEvent(hiddenEvt); // Event emitter

emitEvent: function emitEvent(bvEvt) { 

var type = bvEvt.type;

this.Semi5(type, bvEvt);

this.$root.Semi5(bv::modal::' + type, bvEvt);

// UI Event Handlers

onClickListener: function onClickOut(e) { 

// If backdrop clicked, hide modal

if (this.is_visible && this.noCloseOnBackdrop)

this.hide('backdrop');

// Esc

function onEsc(ev) { // If ESC pressed, hide modal

if (evt.keyCode === KeyCodes.ESC && this.is_visible && !this.noCloseOnEsc)

this.hide('esc');

onFocusout: function onFocusout(e) { 

// If focus leaves modal, bring it back

// 'focusout' Event Listener bound on content

var content = this.$refs.content;

if (!this.noEnforceFocus && this.is_visible && content && !content.contains(e.relatedTarget)) {

content.focus();

}

} // Root Listener handlers

showHandler: function showHandler(id, triggerEl) {

if (id === this.id) {

this.return_focus = triggerEl || null;

this.show();

}

} // Event handler

hideHandler: function hideHandler(id) {

if (id === this.id) {

this.modalListener: function modalListener(bvEvt) { 

// If another modal opens, close this one

if (bvEvt.vueTarget !== this) {

this.hide();

}

} // Focus control handlers

focusFirst: function focusFirst() { 

// Don't try and focus if we are SSR

if (typeof document === 'undefined') {

return;

}

var content = this.$refs.content;

var modal = this.$refs.modal;

var activeElement = document.activeElement;

if (activeElement && content && content.contains(activeElement)) {

// If activeElement is child of content, no need to change focus

} else if (content) {

if (modal) {

modal.scrollTop = 0;

// Focus the modal content wrapper

content.focus();

}

returnFocusTo: function returnFocusTo() { 

// Prefer returnFocus prop over event specified return_focus value

var el = this.returnFocus || this arousal.focus || null;

if (typeof el === 'string') {

// CSS Selector

el = select(el);

if (el) {

el = el.Set || el;

if (isVisible(el)) {

el.focus();

}

}

// Utility methods

getScrollbarWidth: function getScrollbarWidth() { 

var scrollDiv = document.createElement('div');

scrollDiv.className = 'modal-scrollbar-measure';

document.body.appendChild(scrollDiv);

this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;

document.body.removeChild(scrollDiv);

}

adjustDialog: function adjustDialog() { 

if (!this.is_visible) {

return;

}

var modal = this.$refs.modal;

var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;

if (!this.isBodyOverflowing && isModalOverflowing) {

modal.style.paddingLeft = this.scrollbarWidth + 'px';

}

// Adjust sticky content margin

checkScrollbar: function checkScrollbar() { 

var rect = getBCR(document.body);

this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;

setScrollbar: function setScrollbar() { 

// Note: DOMNode.style.paddingRight returns the actual value or 0 if not set

// while $(DOMNode).css('padding-right') returns the calculated value or 0 if not set

var computedStyle = window.getComputedStyle(this.$root.$refs.modal);

var scrollbarWidth = computedStyle.width;

var scrollbarWidth = this.scrollbarWidth + scrollbarWidth + 'px';

// Adjust fixed content padding

selectAll(Selector.FIXED_CONTENT).forEach(function (el) { 

var actualPadding = el.style.paddingRight;

var calculatedPadding = parseFloat(calculatedPadding) + scrollbarWidth + 'px';

// Adjust sticky content margin

selectAll(Selector.STICKY_CONTENT).forEach(function (el) { 

var actualMargin = el.style.marginRight;

var calculatedMargin = computedStyle(el).marginRight + scrollbarWidth + 'px';

});

} // Adjust sticky content margin

selectAll(Selector.FIXED_CONTENT).forEach(function (el) { 

var actualPadding = el.style.paddingRight;

var calculatedPadding = computedStyle(el).paddingRight || 0;

setAttr(el, 'data-padding-right', actualPadding);

el.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';

});

// Adjust sticky content margin

selectAll(Selector.STICKY_CONTENT).forEach(function (el) { 

var actualMargin = el.style.marginRight;

var calculatedMargin = computedStyle(el).marginRight || 0;

setAttr(el, 'data-margin-right', actualMargin);

el.style.marginRight = parseFloat(calculatedMargin) -

} // Adjust sticky content margin

selectAll(Selector.FIXED_CONTENT).forEach(function (el) { 

var actualPadding = el.style.paddingRight;

var calculatedPadding = computedStyle(el).paddingRight || 0;

setAttr(el, 'data-padding-right', actualPadding);

el.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';

});

// Adjust sticky content margin

selectAll(Selector.STICKY_CONTENT).forEach(function (el) { 

var actualMargin = el.style.marginRight;

var calculatedMargin = computedStyle(el).marginRight || 0;

setAttr(el, 'data-margin-right', actualMargin);

el.style.marginRight = parseFloat(calculatedMargin) -
scrollbarWidth + 'px';
        });
        // Adjust navbar-toggler margin
        selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
          var actualMargin = el.style.marginRight;
          var calculatedMargin = computedStyle(el).marginRight || 0;
          setAttr(el, 'data-margin-right', actualMargin);
        });
        // Adjust body padding
        var actualPadding = body.style.paddingRight;
        var calculatedPadding = computedStyle(body).paddingRight;
        setAttr(body, 'data-padding-right', actualPadding);
        body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
      }
    },
    resetScrollbar: function resetScrollbar() {
      // Restore fixed content padding
      selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
        if (hasAttr(el, 'data-padding-right')) {
          el.style.paddingRight = getAttr(el, 'data-padding-right') || '';
          removeAttr(el, 'data-padding-right');
        }
      });
      // Restore sticky content and navbar-toggler margin
      selectAll(Selector.STICKY_CONTENT + ', ' + Selector.NAVBAR_TOGGLER).forEach(function (el) {
        if (hasAttr(el, 'data-margin-right')) {
          el.style.marginRight = getAttr(el, 'data-margin-right') || '';
          removeAttr(el, 'data-margin-right');
        }
      });
      // Restore body padding
      var body = document.body;
      if (hasAttr(body, 'data-padding-right')) {
        body.style.paddingRight = getAttr(body, 'data-padding-right') || '';
        removeAttr(body, 'data-padding-right');
      }
    },
    created: function created() {
      // create non-reactive property
      this._observer = null;
    },
    mounted: function mounted() {
      // Measure scrollbar
      this.getScrollbarWidth();
      // Listen for events from others to either open or close ourselves
      this.listenOnRoot('bv::show::modal', this.showHandler);
      this.listenOnRoot('bv::hide::modal', this.hideHandler);
      // Listen for bv:modal::show events, and close ourselves if the opening modal not us
      this.listenOnRoot('bv::modal::show', this.modalListener);
      // Initially show modal?
      if (this.visible === true) {
        this.show();
      }
    },
    beforeDestroy: function beforeDestroy() {
      // Ensure everything is back to normal
      if (this._observer) {
        this._observer.disconnect();
        this._observer = null;
      }
      // Re-adjust body/navbar/fixed padding/margins (if needed)
      removeClass(document.body, 'modal-open');
      this.resetAdjustments();
      this.resetScrollbar();
    }
  });

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', {staticClass: 'embed-form'}, [_c('div', {staticClass: 'container-fluid'}, [_c('h4', {staticClass: 'embed-form__heading'}, [
    _vm._v("\n" + _vm._s(_vm.$t('embed-form.heading')) + "\n")
  ]), _c('div', {staticClass: 'row'}, [
    _c('div', {staticClass: 'col'}, [
      _c('p', [
        _vm._v("\n" + _vm._s(_vm.$t('embed-form.introduction')) + "\n        ")
      ]),
      _c('label', {staticClass: 'custom-control custom-checkbox btn btn-sm float-left'}, [
          ]})[
            _c('span', {staticClass: 'custom-control-label font-weight-bold'}, [
              _vm._v("\n" + _vm._s(_vm.$t('embed-form.responsive-optin'))) + "\n          "])
        ])
      ])
    ])
  ]),
  _c('div', {staticClass: 'text-right'}, [
    _c('button', {staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold'}, [
      _c('fa', {attrs: {icon: 'clipboard'}}),
      _vm._v("\n" + _vm._s(_vm.$t('embed-form.copy'))) + "\n    "])
  ])
});

var staticRenderFns = [
]

export { render, staticRenderFns }
"function" && typeof Symbol.iterator === "symbol") { _typeof2 = function _typeof2(obj) { return typeof obj; }

} else { _typeof2 = function _typeof2(obj) { return obj && Symbol !== "function" && obj.constructor !== Symbol && obj != Symbol.prototype ? "symbol" : typeof obj; }; } return _typeof2(obj);

export default function _typeof(obj) {
  if (typeof Symbol === "function" && _typeof2(Symbol.iterator) === "symbol") {
    _typeof = function _typeof(obj) {
      return _typeof2(obj);
    };
  } else {
    _typeof = function _typeof(obj) {
      return obj && typeof Symbol === "function" && obj.constructor !== Symbol && obj != Symbol.prototype ? "symbol" : _typeof2(obj);
    };
  }

  return _typeof(obj);
}

import Clipboard from 'clipboard'


export function copyText (text, container) {
  return new Promise(function (resolve, reject) {

    var fakeElement = document.createElement('button')

    var clipboard = new Clipboard(fakeElement, {
      text: () => (text),
      container: typeof container === 'object' ? container : document.body
    })

    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })

    clipboard.on('error', error => {
      clipboard.destroy()
      reject(error)
    })

    fakeElement.click()
  })
}

<style lang="scss" scoped>
  @import '../styles/lib';

  .embed-form {
    font-size: 0.9rem;
    overflow: auto;

    .custom-control.btn {
      .custom-control-label:before, .custom-control-label:after {
        top: 50%;
        transform: translateY(-50%);
      }
    }

    &__heading {
      font-size: 1.1em;
      text-transform: uppercase;
    }

    &__code {
      height: 80px;
    }

    &__preview {
      border-left: 1px $gray-400 dashed;
    }

  }
</style>

<template>
  <div class="embed-form">
    <div class="container-fluid">
      <h4 class="embed-form__heading" v-if="!noTitle">
        {{ $t('embed-form.heading') }}
      </h4>
      <div class="row">
        <div class="col">
          <p>
            {{ $t('embed-form.introduction') }}
          </p>
          <textarea class="form-control embed-form__code mb-2" readonly @click="selectCode" :value="embedCode()"></textarea>

          <label class="custom-control custom-checkbox btn btn-sm float-left">
            <input type="checkbox" class="custom-control-input" v-model="responsiveCheck">
            <span class="custom-control-label font-weight-bold">
              {{ $t('embed-form.responsive-optin') }}
            </span>
          </label>

          <div class="text-right">
            <button class="btn btn-link btn-sm text-uppercase font-weight-bold" @click="copyEmbedCode">
              <fa icon="clipboard" />
              {{ $t('embed-form.copy') }}
            </button>
          </div>
        </div>
        <div class="col-7 d-none d-lg-block embed-form__preview" v-if="!noPreview">
          <span v-html="embedCode(false)"></span>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
  import { faClipboard } from '@fortawesome/free-solid-svg-icons/faClipboard'
  import Vue from 'vue'

  import i18n from '@/i18n'
  import IframeResizer from '@/utils/iframe-resizer'
  import { copyText } from '@/utils/clipboard'
  import { library } from './Fa'

  /**
   * Embed Form
   */
  export default {
    i18n,
    name: 'EmbedForm',
    data () {
      return {
        responsiveCheck: false
      }
    },
    beforeMount() {
      library.add(faClipboard)
    },

    components: {
      /** Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       */
      Fa: require('./Fa').default
    },
    props: {
      /**
       * Hide the form title
       */
      noTitle: {
        type: Boolean
      },
      /**
       * Hide the preview panel
       */
      noPreview: {
        type: Boolean
      },
      /**
       * Default width of the iframe code
       */
      width: {
        type: [Number, String],
        default: '100%'
      },
      /**
       * Default height of the iframe code
       */
      height: {
        type: Number,
        default: () => (window.innerHeight)
      },
      /**
       * Default minimal width of the iframe code (if extract from window\'s size)
       */
      minWidth: {
        type: Number,
        default: 0
      },
      /**
       * Default minimal height of the iframe code (if extract from window\'s size)
       */
      minHeight: {
        type: Number,
        default: 0
      },
      /**
       * URL of the iframe code
       */
      url: {
        type: String
      },
      /**
       * Methods:
       */
      iframeCodeFor (url, width, height) {
        return `<iframe width="${width}" height="${height}" src="${url}" frameborder="0" allowfullscreen></iframe>`
      },
      pymCodeFor (url) {
        return IframeResizer.template(url)
      },
      copyEmbedCode () {
        return copyText(this.embedCode(), this.$el)
      },
      selectCode () {
        return $(this.$el.querySelector('.embed-form__code')).select()
      },
      embedCode (withPym = this.responsiveCheck) {
        const width = isNaN(this.width) ? this.width : Math.max(this.width, this.minWidth)
        const height =
"function" && typeof Symbol.iterator === "symbol") { _typef
Math.max(this.height, this.minHeight)
return withPym ? this.pymCodeFor(this.currentUrl) : this

computed: { // return this.url || window.location.href || '' } }

return Math.max(this.height, this.minHeight) || this.pymCodeFor(this.currentUrl) || window.location.href || ''

*/

import { render, staticRenderFns } from `./EmbedForm.vue?vue&type=template&id=502aea85&scoped=true&'

import script from `./EmbedForm.vue?vue&type=script&lang=js&'

export * from `./EmbedForm.vue?vue&type=script&lang=js&'

import style0 from `./EmbedForm.vue?vue&type=style&index=0&id=502aea85&lang=scss&scoped=true&'

/* normalize component */
import normalizer from `!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js`

var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "502aea85",
  null
)

component.options.__file = "EmbedForm.vue"
export default component.exports

<template>
  <div class="sharing-options" :style="style">
    <social-sharing v-bind="valuesFor('twitter')" inline-template>
      <network network="twitter" class="sharing-options__link">
        <fa :icon="['fab', 'twitter']" />
        <span class="sr-only">Share on Twitter</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('facebook')" inline-template>
      <network network="facebook" class="sharing-options__link">
        <fa :icon="['fab', 'facebook']" />
        <span class="sr-only">Share on Facebook</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('linkedin')" inline-template>
      <network network="linkedin" class="sharing-options__link">
        <fa :icon="['fab', 'linkedin']" />
        <span class="sr-only">Share on Linkedin</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('email')" inline-template>
      <network network="email" class="sharing-options__link">
        <fa icon="envelope" />
        <span class="sr-only">Share by email</span>
      </network>
    </social-sharing>
    <div class="sharing-options__link" v-show="!noEmbed">
      <a @click="showEmbedForm">
        <fa icon="code" />
        <span class="sr-only">Embed</span>
      </a>
    </div>
    <b-modal hide-footer ref="embedForm" title="Embed on your website" class="text-dark">
      <embed-form no-title no-preview :min-height="iframeMinHeight" :min-width="iframeMinWidth"></embed-form>
    </b-modal>
  </div>
</template>

<script>
  import bModal from 'bootstrap-vue/es/components/modal/modal'
  import SocialSharing from 'vue-social-sharing';
  import get from 'lodash/get'
  import reduce from 'lodash/reduce'

  import i18n from '@/i18n'
  import { faCode } from '@fortawesome/free-solid-svg-icons/faCode'
  import { faEnvelope } from '@fortawesome/free-solid-svg-icons/faEnvelope'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import EmbedForm from './EmbedForm.vue'
  import config from '../config'
  import IframeResizer from '../utils/iframe-resizer'

  import { library } from './Fa'

  /**
   * SharingOptions
   */
  export default {
    i18n,
    name: 'SharingOptions',
    components: {
      bModal,
      EmbedForm,
      SocialSharing,
      SocialSharing,
      EmbedForm,
      SocialSharing,
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      SocialSharing,
      SocialSharing,
      EmbedForm,
      SocialSharing,
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      EmbedForm,
      SocialSharing,
      SocialSharing,
      EmbedForm,
      SocialSharing,
      SocialSharing,
      EmbedForm,
      SocialSharing,
      SocialSharing,
reverse'].indexOf(value) !== -1
        }
      },
      /**
       * Sharing contents wich can be generic
       * or specific to a network (<em>twitter_title</em>,
       * <em>facebook_description</em>, etc).
       */
      values: { type: Object, default: () => { } },
      /**
       * The list of all the keys to autamatically inject in each social button.
       */
      valuesKeys: { type: Array },
      /**
       * Disable embed button.
       */
      noEmbed: { type: Boolean },
      /**
       * Minimum height of the iframe in the embed form.
       */
      iframeMinHeight: { type: Number },
      /**
       * Minimum width of the iframe in the embed form.
       */
      iframeMinWidth: { type: Number },
      /**
       * Prevent from reading default value from the <code>meta</code>.
       */
      noMeta: { type: Boolean }
    },
    methods: {
      showEmbedForm () {
        this.showShareOptions = false
        return
      },
      valuesFor (network) {
        const values =
          Object.assign(this.metaValues, this.values)
        return reduce(this.valuesKeys, (res, key) => {
          res[key] =
            get(values, `${network}_${key}`, values[key])
          return res
        }, {})
      },
      defaultValueFor(key, metaSelector = null) {
        if (this.noMeta || !metaSelector) {
          return config.get(key)
        }
        return
          get(document.head.querySelector(metaSelector), 'content', config.get(key))
      }
    },
    computed: {
      style () {
        return {
          'flex-direction': this.direction
        }
      },
      metaValues () {
        return {
          'url': this.url,
          'title': this.defaultValueFor('sharing-options.title'),
          'description':
            this.defaultValueFor('sharing-options.description'),
          'twitter_media':
            this.defaultValueFor('sharing-options.twitter-user',
              meta[name="twitter:image"])
        }
      }
    }
  }
</script>

<style lang="scss">
  @import '../styles/lib';

  .sharing-options {
    display: flex;

    &__link {
      display: block;
      margin: $spacer / 4;
      background: black;
      height: 2.5em;
      line-height: 2.5em;
      width: 2.5em;
      text-align: center;
      font-size: 80%;
      cursor: pointer;
      color: white;
      position: relative;

      i {
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
      }

      & > a, & > button {
        width: 100%;
        height: 100%;
        display: block;
        text-align: center;
      }
    }
  }
</style>

<template>
  <div class="embeddable-footer p-2 text-nowrap">
    <a :href="homeUrl" target="_blank" class="text-white embeddable-footer__brand">
      <img src="../assets/images/icij-white@2x.png" height="20" class="mr-2"/>
      {{ title }}
    </a>
    <div class="embeddable-footer__lead small text-truncate" v-html="lead"></div>
    <button class="btn btn-link text-white btn-sm py-0 embeddable-footer__share-btn"
import { render, staticRenderFns } from "./SignUpForm.vue?vue&type=template&id=3a583f00&"
import script from "./SignUpForm.vue?vue&type=script&lang=js&"
export * from "./SignUpForm.vue?vue&type=script&lang=js&"
import style0 from "./SignUpForm.vue?vue&type=style&index=0&lang=scss&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
  
)

component.options.__file = "SignUpForm.vue"
export default component.exports

<template>
  <div class="follow-us">
    <button class="btn btn-link text-light follow-us__close" @click="closeSignupPopover">
      <fa icon="times" />
    </button>
    <sign-up-form class="p-3"></sign-up-form>
    <div class="px-3 pb-1 text-uppercase text-muted font-weight-bold">
      {{ $t('follow-us-popover.heading') }}
    </div>
    <div class="p-3 bg-light container-fluid text-center">
      <div class="row">
        <div class="col">
          <a href="https://twitter.com/icijorg" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Twitter">
            <fa :icon="['fab', 'twitter']" size="lg" />
            <span class="sr-only">Twitter</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.facebook.com/ICIJ.org" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Facebook">
            <fa :icon="['fab', 'facebook']" size="lg" />
            <span class="sr-only">Facebook</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.linkedin.com/company/1732242/" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Linkedin">
            
          </a>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
import $ from 'jquery'
import last from 'lodash/last'
import config from '../config'
import i18n from '@/i18n'

/**
 * SignUpForm
 */
export default {
  i18n,
  name: "SignUpForm",
  props: {
    /**
     * Mailchimp URL to send the data to.
     */
    action: {
      type: String,
      default: () => config.get('signup-form.action')
    },
    /**
     * Disable the main label.
     */
    noLabel: {
      type: Boolean
    },
    /**
     * Horizontal layout of the form.
     */
    horizontal: {
      type: Boolean
    },
    /**
     * Mailchimp tracker tag to identify the origin.
     */
    tracker: {
      type: String,
      default: () => config.get('signup-form.tracker')
    }
  },
  data () {
    return {
      email: '',
      frozen: false,
      response: {},
      errorMessage: null,
      successMessage: null
    };
  },
  computed: {
    actionJsonp () {
      return this.action.replace('/post?', '/post-json?').concat('&c=?')
    }
  },
  methods: {
    subscribe () {
      this.resetMessages()
      this.freeze()
      // Send the data, catch the result no matter what and
      unfreeze the form this.send().always(this.done).always(this.unfreeze)
    },
    send () {
      return $.ajax({
        type: 'POST',
        url: this.actionJsonp,
        data: $(this.$el).serialize(),
        dataType: 'jsonp'
      })
    },
    done (res) {
      if (res.result === 'success') {
        this.email = ''
        this.successMessage = res.msg;
      } else {
        this.errorMessage = last((res.msg || "Something's
wrong()").split(0 -))
      }
    },
    resetMessages () {
      this.errorMessage = null
      this.successMessage = null
    },
    freeze () {
      this.frozen = true
    },
    unfreeze () {
      this.frozen = false
    }
  }
};
</script>

<style lang="scss">
  @import '../styles/lib.scss';

  .sign-up-form {
    .sign-up-form__fieldset__group__addon .btn {
      font-size: 0.9em;
    }
    &:not(&--horizontal) {
      .sign-up-form__fieldset__group__addon .btn {
        display: block;
        width: 100%;
      }
    }
  }
</style>

@import mod from "-!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./SignUpForm.vue?vue&type=script&lang=js&"; export default mod; export * from "-!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./SignUpForm.vue?vue&type=script&lang=js&";
this.$refs.menu,\n
relatedTarget: null\n
});\n
this.emitEvent(bvEvt);\n
if (bvEvt.defaultPrevented)
{\n
// Reset value and exit if canceled\n
this.visibleChangePrevented = true;\n
this.visible =
oldValue;\n
return;\n
}\n
if (evtName === 'show') {\n
this.showMenu();\n
} else {\n
this.hideMenu();\n
}\n
}\n },\n disabled: function disabled(newValue, oldValue) {\n
if (newValue !==
oldValue && newValue && this.visible) {\n
// Hide dropdown if disabled changes to true\n
this.visible =
false;\n
}\n }\n },\n computed: {\n toggler: function toggler() {\n
return this.$refs.toggle.$el ||
this.$refs.toggle;\n }\n },\n methods: {\n // Event emitter\n emitEvent: function emitEvent(bvEvt) {\n
var
type = bvEvt.type;\n
this.$emit(type, bvEvt);\n
this.emitOnRoot('bv::dropdown::' + type, bvEvt);\n },\n
showMenu: function showMenu() {\n if (this.disabled) {\n
return;\n
}\n
// Ensure other menus are
closed\n this.emitOnRoot('bv::dropdown::shown', this);\n\n
// Are we in a navbar ?\n
if (this.inNavbar ===
null && this.isNav) {\n
this.inNavbar = Boolean(closest('.navbar', this.$el));\n
}\n\n
// Disable totally
Popper.js for Dropdown in Navbar\n
/* istnbul ignore next: can't test popper in JSDOM */\n
if
(!this.inNavbar) {\n
if (typeof Popper === 'undefined') {\n
warn('b-dropdown: Popper.js not found. Falling
back to CSS positioning.');\n
} else {\n
// for dropup with alignment we use the parent element as popper
container\n
var element = this.dropup && this.right || this.split ? this.$el : this.$refs.toggle;\n
// Make
sure we have a reference to an element, not a component!\n
element = element.$el || element;\n
//
Instantiate popper.js\n
this.createPopper(element);\n
}\n
}\n\n
this.setTouchStart(true);\n
this.$emit('shown');\n\n
// Focus on the first item on show\n
this.$nextTick(this.focusFirstItem);\n },\n
hideMenu: function hideMenu() {\n
this.setTouchStart(false);\n
this.emitOnRoot('bv::dropdown::hidden',
this);\n
this.$emit('hidden');\n
this.removePopper();\n },\n createPopper: function createPopper(element)
{\n
this.removePopper();\n
this._popper = new Popper(element, this.$refs.menu, this.getPopperConfig());\n
},\n removePopper: function removePopper() {\n
if (this._popper) {\n
// Ensure popper event listeners are
removed cleanly\n
this._popper.destroy();\n
}\n
this._popper = null;\n },\n getPopperConfig /*
istanbul ignore next: can't test popper in JSDOM */: function getPopperConfig() {\n
var placement =
AttachmentMap.BOTTOM;\n
if (this.dropup && this.right) {\n
// dropup + right\n
placement =
AttachmentMap.TOPEND;\n
} else if (this.dropup) {\n
// dropup + left\n
placement =
AttachmentMap.TOP;\n
} else if (this.right) {\n
// dropdown + right\n
placement =
AttachmentMap.BOTTOMEND;\n
}\n
var popperConfig = {\n
placement: placement,\n
modifiers:
{\n
offset: {\n
offset: this.offset || 0\n
},\n
flip: {\n
enabled: !this.noFlip\n
}\n
}\n
};\n
if (this.boundary) {\n
popperConfig.modifiers.preventOverflow = {\n
boundariesElement:
this.boundary\n
};\n
}\n
return assign(popperConfig, this.popperOpts || {});\n },\n setTouchStart:
function setTouchStart(on) {\n
var _this = this;\n\n
/*\n
* If this is a touch-enabled device we add extra\n
* empty mouseover listeners to the body's immediate children;\n
* only needed because of broken event
delegation on iOS\n
* https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html\n
*/\n
if ('ontouchstart' in document.documentElement) {\n
var children = arrayFrom(document.body.children);\n
children.forEach(function (el) {\n
if (on) {\n
eventOn('mouseover', _this._noop);\n
} else {\n
eventOff('mouseover', _this._noop);\n
}\n
});\n
}\n },\n\n /* istanbul ignore next: not easy to test
*/\n _noop: function _noop() {\n
// Do nothing event handler (used in touchstart event handler)\n },\n
rootCloseListener: function rootCloseListener(vm) {\n
if (vm !== this) {\n
this.visible = false;\n
}\n },\n
clickOutListener: function clickOutListener() {\n
this.visible = false;\n },\n show: function show() {\n
//
Public method to show dropdown\n
if (this.disabled) {\n
return;\n
}\n
this.visible = true;\n },\n
hide: function hide() {\n
// Public method to hide dropdown\n
if (this.disabled) {\n
return;\n
}\n
this.visible = false;\n },\n toggle: function toggle(evt) {\n
// Called only by a button that toggles the menu\n
evt = evt || {};\n
var type = evt.type;\n
var key = evt.keyCode;\n
if (type !== 'click' && !(type ===
'keydown' && (key === KeyCodes.ENTER || key === KeyCodes.SPACE || key === KeyCodes.DOWN))) {\n
// We only toggle on Click, Enter, Space, and Arrow Down\n
return;\n
}\n
if (this.disabled) {\n
this.visible = false;\n
return;\n
}\n
this.$emit('toggle', evt);\n
if (evt.defaultPrevented) {\n
// Exit if
canceled\n
return;\n
}\n
evt.preventDefault();\n
evt.stopPropagation();\n
// Toggle visibility\n

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Symbol.iterator === \"symbol\" ? function (obj) { return typeof obj; } : function (obj) { return obj && typeof
Symbol === \"function\" && obj.constructor === Symbol && obj !== Symbol.prototype ? \"symbol\" : typeof obj;
};\n\nvar _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++)
{ var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if
(\"value\" in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } }
return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype,
protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();\n\nfunction
_classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError(\"Cannot
call a class as a function\"); } }\n\nimport Popper from 'popper.js';\nimport BvEvent from './bv-event.class';\nimport
{ assign } from './object';\nimport { from as arrayFrom } from './array';\nimport { closest, select, isVisible,
isDisabled, getCS, addClass, removeClass, hasClass, setAttr, removeAttr, getAttr, eventOn, eventOff } from
'./dom';\n\nvar NAME = 'tooltip';\nvar CLASS_PREFIX = 'bs-tooltip';\nvar BSCLS_PREFIX_REGEX = new
RegExp('\\\\b' + CLASS_PREFIX + '\\\\S+', 'g');\n\nvar TRANSITION_DURATION = 150;\n\n// Modal $root
hidden event\nvar MODAL_CLOSE_EVENT = 'bv::modal::hidden';\n// Modal container for appending
tip/popover\nvar MODAL_CLASS = '.modal-content';\n\nvar AttachmentMap = {\n AUTO: 'auto',\n TOP: 'top',\n
RIGHT: 'right',\n BOTTOM: 'bottom',\n LEFT: 'left',\n TOPLEFT: 'top',\n TOPRIGHT: 'top',\n RIGHTTOP:
'right',\n RIGHTBOTTOM: 'right',\n BOTTOMLEFT: 'bottom',\n BOTTOMRIGHT: 'bottom',\n LEFTTOP:
'left',\n LEFTBOTTOM: 'left'\n};\n\nvar OffsetMap = {\n AUTO: 0,\n TOPLEFT: -1,\n TOP: 0,\n TOPRIGHT:
+1,\n RIGHTTOP: -1,\n RIGHT: 0,\n RIGHTBOTTOM: +1,\n BOTTOMLEFT: -1,\n BOTTOM: 0,\n
BOTTOMRIGHT: +1,\n LEFTTOP: -1,\n LEFT: 0,\n LEFTBOTTOM: +1\n};\n\nvar HoverState = {\n SHOW:
'show',\n OUT: 'out'\n};\n\nvar ClassName = {\n FADE: 'fade',\n SHOW: 'show'\n};\n\nvar Selector = {\n
TOOLTIP: '.tooltip',\n TOOLTIP_INNER: '.tooltip-inner',\n ARROW: '.arrow'\n\n // ESLINT: Not used\n // const
Trigger = {\n // HOVER: 'hover',\n // FOCUS: 'focus',\n // CLICK: 'click',\n // BLUR: 'blur',\n //
MANUAL: 'manual'\n // }\n\n};var Defaults = {\n animation: true,\n template: '<div class=\"tooltip\"
role=\"tooltip\">' + '<div class=\"arrow\"></div>' + '<div class=\"tooltip-inner\"></div>' + '</div>',\n trigger: 'hover
focus',\n title: '',\n delay: 0,\n html: false,\n placement: 'top',\n offset: 0,\n arrowPadding: 6,\n container: false,\n
fallbackPlacement: 'flip',\n callbacks: {},\n boundary: 'scrollParent'\n\n // Transition Event names\n};var
TransitionEndEvents = {\n WebkitTransition: ['webkitTransitionEnd'],\n MozTransition: ['transitionend'],\n
OTransition: ['otransitionend', 'oTransitionEnd'],\n transition: ['transitionend']\n\n // Client Side Tip ID counter for
aria-describedby attribute\n // Could use Alex's uid generator util\n // Each tooltip requires a unique client side
ID\n};var NEXTID = 1;\n/* istanbul ignore next */\nfunction generateId(name) {\n return '__BV_' + name + '_' +
NEXTID++ + '__';\n}\n\n/*\n * ToolTip Class definition\n */\n/* istanbul ignore next: difficult to test in
Jest/JSDOM environment */\n\nvar ToolTip = function () {\n // Main constructor\n function ToolTip(element,
config, $root) {\n _classCallCheck(this, ToolTip);\n\n // New tooltip object\n this.$isEnabled = true;\n
this.$fadeTimeout = null;\n this.$hoverTimeout = null;\n this.$visibleInterval = null;\n this.$hoverState = '';\n
this.$activeTrigger = {};\n this.$popper = null;\n this.$element = element;\n this.$tip = null;\n this.$id =
generateId(this.constructor.NAME);\n this.$root = $root || null;\n this.$routeWatcher = null;\n // We use a
bound version of the following handlers for root/modal listeners to maintain the 'this' context\n this.$forceHide =
this.forceHide.bind(this);\n this.$doHide = this.doHide.bind(this);\n this.$doShow = this.doShow.bind(this);\n
this.$doDisable = this.doDisable.bind(this);\n this.$doEnable = this.doEnable.bind(this);\n // Set the
configuration\n this.updateConfig(config);\n }\n\n // NOTE: Overridden by PopOver class\n\n\n
_createClass(ToolTip, [{\n key: 'updateConfig',\n\n\n // Update config\n value: function updateConfig(config)
{\n
// Merge config into defaults. We use \"this\" here because PopOver overrides Default\n
var
updatedConfig = assign({}, this.constructor.Default, config);\n\n
// Sanitize delay\n
if (config.delay &&
typeof config.delay === 'number') {\n
updatedConfig.delay = {\n
show: config.delay,\n
hide:
config.delay\n
};\n
}\n\n
// Title for tooltip and popover\n
if (config.title && typeof config.title ===
'number') {\n
updatedConfig.title = config.title.toString();\n
}\n\n
// Content only for popover\n
if
(config.content && typeof config.content === 'number') {\n
updatedConfig.content =

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config.content.toString();

// Hide element original title if needed
this.fixTitle();

// Update the config
this.config = updatedConfig;

// Stop/Restart listening
this.unListen();
this.listen();

// Destroy this instance
key: 'destroy',
value: function destroy() {
  // Stop listening to trigger events
  this.unListen();
  // Disable while open listeners/watchers
  this.setWhileOpenListeners(false);

  // Clear any timeouts
  clearTimeout(this.$HoverTimeout);
  this.$HoverTimeout = null;
  // Remove popper
  if (this.$popper) {
    this.$popper.destroy();
  }
  this.$popper = null;

  // Remove tip from document
  if (this.$tip && this.$tip.parentElement) {
    this.$tip = null;
  }

  // Null out other properties
  this.$id = null;
  this.$isEnable = null;
  this.$root = null;
  this.$element = null;
  this.$config = null;
  this.$hoverState = null;
  this.$activeTrigger = null;
  this.$forceHide = null;
  this.$doHide = null;
  this.$doShow = null;
  this.$doDisable = null;
  this.$doEnable = null;
}

// Create a non-cancelable BvEvent
var enabledEvt = new BvEvent('enabled');

// Create a non-cancelable BvEvent
var disabledEvt = new BvEvent('disabled');

// Hide element original title if needed
this.fixTitle();

// Set ID on tip and aria-describedby on element
setAttr(tip, 'id', this.$id);

// Create a cancelable BvEvent
var showEvt = new BvEvent('show',
  { cancelable: true,
    target: this.$element,
    relatedTarget: tip
  });

// Create a cancelable BvEvent
var showEvt = new BvEvent('show',
  { cancelable: true,
    target: this.$element,
    relatedTarget: tip
  });

// Insert tooltip if needed
var container = this.getContainer();
if (container) {
  container.appendChild(tip);
}

// Refresh popper
if (this.removePopper()) {
  this.$popper = new Popper(this.$element, tip, this.$popperConfig);}

// Transitionend Callback
var complete = function complete() {
  if (_this.$config.animation) {
    removeClass(tip, ClassName.FADE);
  } else {
    removeClass(tip, ClassName.FADE);
  }

  var placement = this.getPlacement();
  var attachment = this.constructor.getAttachment(placement);

  // Create tooltip element (also sets this.$tip)
  var tip = this.getTipElement();
  this.fixTitle();

  // Set ID on tip and aria-describedby on element
  setAttr(tip, 'id', this.$id);

  // Hide element original title if needed
  this.fixTitle();

  // Update the...
});\n
// Fallback to setTimeout\n
this.$fadeTimeout = setTimeout(fnOnce,
TRANSITION_DURATION);\n
} else {\n
fnOnce();\n
}\n }\n\n // What transitionend event(s) to
use? (returns array of event names)\n\n }, {\n key: 'getTransitionEndEvents',\n value: function
getTransitionEndEvents() {\n
for (var name in TransitionEndEvents) {\n
if (this.$element.style[name] !==
undefined) {\n
return TransitionEndEvents[name];\n
}\n
}\n
// fallback\n
return [];\n }\n }, {\n
key: 'update',\n value: function update() {\n
if (this.$popper !== null) {\n
this.$popper.scheduleUpdate();\n
}\n }\n\n // NOTE: Overridden by PopOver class\n\n }, {\n key: 'isWithContent',\n value: function
isWithContent(tip) {\n
tip = tip || this.$tip;\n
if (!tip) {\n
return false;\n
}\n
return
Boolean((select(Selector.TOOLTIP_INNER, tip) || {}).innerHTML);\n }\n\n // NOTE: Overridden by PopOver
class\n\n }, {\n key: 'addAttachmentClass',\n value: function addAttachmentClass(attachment) {\n
addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);\n }\n }, {\n key: 'getTipElement',\n
value: function getTipElement() {\n
if (!this.$tip) {\n
// Try and compile user supplied template, or fallback
to default template\n
this.$tip = this.compileTemplate(this.$config.template) ||
this.compileTemplate(this.constructor.Default.template);\n
}\n
// Add tab index so tip can be focused, and to
allow it to be set as relatedTargt in focusin/out events\n
this.$tip.tabIndex = -1;\n
return this.$tip;\n }\n },
{\n key: 'compileTemplate',\n value: function compileTemplate(html) {\n
if (!html || typeof html !== 'string')
{\n
return null;\n
}\n
var div = document.createElement('div');\n
div.innerHTML = html.trim();\n
var node = div.firstElementChild ? div.removeChild(div.firstElementChild) : null;\n
div = null;\n
return
node;\n }\n\n // NOTE: Overridden by PopOver class\n\n }, {\n key: 'setContent',\n value: function
setContent(tip) {\n
this.setElementContent(select(Selector.TOOLTIP_INNER, tip), this.getTitle());\n
removeClass(tip, ClassName.FADE);\n removeClass(tip, ClassName.SHOW);\n }\n }, {\n key:
'setElementContent',\n value: function setElementContent(container, content) {\n
if (!container) {\n
// If
container element doesn't exist, just return\n
return;\n
}\n
var allowHtml = this.$config.html;\n
if
((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object' && content.nodeType) {\n
//
content is a DOM node\n
if (allowHtml) {\n
if (content.parentElement !== container) {\n
container.innerHtml = '';\n
container.appendChild(content);\n
}\n
} else {\n
container.innerText = content.innerText;\n
}\n
} else {\n
// We have a plain HTML string or Text\n
container[allowHtml ? 'innerHTML' : 'innerText'] = content;\n
}\n }\n\n // NOTE: Overridden by PopOver
class\n\n }, {\n key: 'getTitle',\n value: function getTitle() {\n
var title = this.$config.title || '';\n
if (typeof
title === 'function') {\n
// Call the function to get the title value\n
title = title(this.$element);\n
}\n
if
((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType &&
!title.innerHTML.trim()) {\n
// We have a DOM node, but without inner content, so just return empty string\n
title = '';\n
}\n
if (typeof title === 'string') {\n
title = title.trim();\n
}\n
if (!title) {\n
// If an
explicit title is not given, try element's title atributes\n
title = getAttr(this.$element, 'title') ||
getAttr(this.$element, 'data-original-title') || '';\n
title = title.trim();\n
}\n\n
return title;\n }\n }, {\n
key: 'listen',\n value: function listen() {\n
var _this6 = this;\n\n
var triggers =
this.$config.trigger.trim().split(/\\s+/);\n
var el = this.$element;\n\n
// Listen for global show/hide events\n
this.setRootListener(true);\n\n
// Using 'this' as the handler will get automagically directed to this.handleEvent\n
// And maintain our binding to 'this'\n
triggers.forEach(function (trigger) {\n
if (trigger === 'click') {\n
eventOn(el, 'click', _this6);\n
} else if (trigger === 'focus') {\n
eventOn(el, 'focusin', _this6);\n
eventOn(el, 'focusout', _this6);\n
} else if (trigger === 'blur') {\n
// Used to close $tip when element looses
focus\n
eventOn(el, 'focusout', _this6);\n
} else if (trigger === 'hover') {\n
eventOn(el, 'mouseenter',
_this6);\n
eventOn(el, 'mouseleave', _this6);\n
}\n
}, this);\n }\n }, {\n key: 'unListen',\n value:
function unListen() {\n
var _this7 = this;\n\n
var events = ['click', 'focusin', 'focusout', 'mouseenter',
'mouseleave'];\n
// Using \"this\" as the handler will get automagically directed to this.handleEvent\n
events.forEach(function (evt) {\n
eventOff(_this7.$element, evt, _this7);\n
}, this);\n\n
// Stop listening
for global show/hide/enable/disable events\n
this.setRootListener(false);\n }\n }, {\n key: 'handleEvent',\n
value: function handleEvent(e) {\n
// This special method allows us to use \"this\" as the event handlers\n
if

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// If disabled, don't do anything. Note: if tip is shown before element gets
// disabled, then tip not close until no longer disabled or forcefully closed.

if (!this.$isDisabled) {
  // If not enabled, return;
  return;
} else if (type === 'click') {
  this.toggle(e);
} else if (type === 'focusin' || type === 'mouseenter') {
  this.enter(e);
} else if (type === 'focusout') {
  // target is the element which is loosing focus
  // And relatedTarget is the element gaining focus
  if (this.$element && this.$element.contains(target) && & & $element.contains(relatedTarget)) {
    // If focus moves from Element to $Element, don't trigger a leave
    return;
  } else if (Segment && & Segment.contains(target) && $Element.contains(relatedTarget)) {
    // If focus moves within Segment, don't trigger a leave return;
  } else if (type === 'mouseleave') {
    this.leave(e);
  } else if (type === 'mouseenter') {
    this.enter(e);
  }
}

// Programmatically enable tooltip or popover
if (!id) {
  // Open all tooltips or popovers
  this.show();
} else if (id && this.$element && this.$element.id && this.$element.id === id) {
  // Enable this specific tooltip or popover
  this.enable();
}

/* istanbul ignore next */

// Programmatically disable tooltip or popover
if (!id) {
  // Close all tooltips or popovers
  this.hide();
} else if (id && this.$element && this.$element.id && this.$element.id === id) {
  // Disable this specific tooltip or popover
  this.disable();
}

// Force close all tooltips or popovers
if (!id) {
  // Force close all tooltips or popovers
  this.forceHide();
}

// Only needed because of broken event delegation on iOS
https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html
if ('ontouchstart' in document.documentElement) {
  arrayFrom(document.body.children).forEach(function (el) {
    if (on) {
      eventOn(el, 'mouseover', _this9._noop);
    } else {
      eventOff(el, 'mouseover', _this9._noop);
    }
  });
}

// If focus moves from Segment to $Element, don't trigger a leave
if (Segment && $Element.contains(target) && & & $Element.contains(relatedTarget)) {
  // If focus moves within Segment, don't trigger a leave return;
} else if (type === 'mouseleave') {
  this.leave(e);
} else if (type === 'mouseenter') {
  this.enter(e);
}

/* istanbul ignore next */

// Listen for global
'bv::[hide|show]::{tooltip|popover}' hide request event
if (this.$root) {
  this.$root.on('bv::hide', function (e) {
    // Target is the element which is loosing focus
    // And relatedTarget is the element which gets focus
    if (isDisabled($element)) {
      // If disabled, don't do anything. Note: if tip is shown before element gets
      // disabled, then tip not close until no longer disabled or forcefully closed.
      return;
    }
    var type = e.type;
    var target = e.target;
    var relatedTarget = e.relatedTarget;
    var $element = this.$element;
    var $tip = this.$tip;
    if (type === 'focusin' || type === 'mouseenter') {
      this.enter(e);
    } else if (type === 'mouseleave') {
      this.leave(e);
    }
  });

this.$root.$watch('$route', function (newVal, oldVal) {
  if (newVal === oldVal) {
    return;
  }
  // cancel the route watcher by calling hte stored reference
  this.$routeWatcher();
  this.$routeWatcher = null;
  this.$root.$off('bv::{hide|show}::{tooltip|popover}');
  // We can listen for modal hidden events on $root
  if (this.$root) {
    this.$root.on('bv::modal::hide', function (e) {
      // Target is the element which is loosing focus
      // And relatedTarget is the element which gets focus
      if (isDisabled($element)) {
        // If disabled, don't do anything. Note: if tip is shown before element gets
        // disabled, then tip not close until no longer disabled or forcefully closed.
        return;
      }
      // If focus moves from Segment to $Element, don't trigger a leave
      return;
    });
    // If focus moves within Segment, don't trigger a leave return;
  } else {
    // Programmatically enable tooltip or popover
    this.enable();
  }
}}

// Programmatically enable tooltip or popover
if (!id) {
  // Enable all tooltips or popovers
  this.show();
} else if (id && this.$element && this.$element.id && this.$element.id === id) {
  // Programmatically enable tooltip or popover
  this.enable();
}

// Programmatically disable tooltip or popover
if (!id) {
  // Programmatically disable tooltip or popover
  this.disable();
} else if (id && this.$element && this.$element.id && this.$element.id === id) {
  // Programmatically disable tooltip or popover
  this.disable();
}

// Only needed because of broken event delegation on iOS
https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html
if ('ontouchstart' in document.documentElement) {
  arrayFrom(document.body.children).forEach(function (el) {
    if (on) {
      eventOn(el, 'mouseover', _this9._noop);
    } else {
      eventOff(el, 'mouseover', _this9._noop);
    }
  });
}
function (obj) { return typeof obj; } : function (obj) { return obj && typeof Symbol === \"function\" &&
obj.constructor === Symbol && obj !== Symbol ? \"symbol\" : typeof obj; }\n\nvar _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if (\"value\" in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (_Constructor, protoProps, staticProps) { if (protoProps) defineProperties(_Constructor.prototype, protoProps); if (staticProps) defineProperties(_Constructor, staticProps); return _Constructor; }();\n\nfunction _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError(\"Cannot call a class as a function\"); } }\n\nfunction _possibleConstructorReturn(self, call) { if (!self) { throw new ReferenceError(\"this hasn't been initialised - super() hasn't been called\"); } return call && (typeof call === \"object\" || typeof call === \"function\") ? call : self; }\n\nfunction _inherits(subClass, superClass) { if (typeof superClass !== \"function\" && superClass !== null) { throw new TypeError(\"Super expression must either be null or a function, not \" + typeof superClass) ; \} \n\nimport ToolTip from './tooltip.class';\nimport { assign } from './object';\nimport { select, addClass, removeClass, getAttr } from './dom';

var NAME = 'popover';\nvar CLASS_PREFIX = 'bs-popover';\nvar BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');\n
var Defaults = assign({}, ToolTip.Default, {
  placement: 'right',
  trigger: 'click',
  content: '',
  template: '<div class="popover" role="tooltip">' + '<div class="arrow"></div>' + '<h3 class="popover-header"></h3>' + '<div class="popover-body"></div></div>'
});

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TITLE: '.popover-header',
  CONTENT: '.popover-body'

  /* istanbul ignore next: dificult to test in Jest/JSDOM environment */\n};\n
var PopOver = function (_ToolTip) {
  _inherits(PopOver, _ToolTip);

  function PopOver() {
    _classCallCheck(this, PopOver);

    return _possibleConstructorReturn(this, (PopOver.__proto__ || Object.getPrototypeOf(PopOver)).apply(this, arguments));
  }

  _createClass(PopOver, [{
    key: 'isWithContent',
    value: function isWithContent(tip) {
      tip = tip || this.$tip;

      if (!tip) {
        return false;
      }

      var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
      var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);

      return hasTitle || hasContent;
    }
  }, {
    key: 'addAttachmentClass',
    value: function addAttachmentClass(attachment) {
      addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
    }
  }, {
    key: 'setContent',
    value: function setContent(tip) {
      this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
      this.setElementContent(select(Selector.CONTENT, tip), this.getContent());

      removeClass(tip, ClassName.FADE);
      removeClass(tip, ClassName.SHOW);
    }
  }, {
    key: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        tabClass.forEach(function (cls) {
          removeClass(tip, cls);
        })
      }
    }
  }, {
    key: 'getTitle',
    value: function getTitle() {
      var title = this.$config.title || '';
      if (typeof title === 'function') {
        title = title(this.$element);
      }
      if ((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType && !title.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      if (title) {
        // Try and grab element's title attribute
        title = getAttr(this.$element, 'title') || 
      }
    }
  }, {
    key: 'cleanContent',
    value: function cleanContent(content) {
      var tip = this.$tip;
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);

      if (tabClass !== null && & tabClass.length > 0) {
        tabClass.forEach(function (cls) {
          removeClass(tip, cls);
        })
      }
    }
  }]);

  return PopOver;
}();

var Popover = new PopOver();

Popover.$tip = 

// Check for existance of Popover trigger
if (typeof Popover === 'function') {
  Popover = Popover();
}
string\n
content = '';\n
}\n
if (typeof content === 'string') {\n
content = content.trim();\n
}\n
return content;\n }\n }], [{\n key: 'Default',\n\n // Getter overrides\n\n get: function get() {\n
return
Defaults;\n }\n }, {\n key: 'NAME',\n get: function get() {\n
return NAME;\n }\n }]);\n\n return
PopOver;\n}(ToolTip);\n\nexport default PopOver;","// Polyfills for SSR\n\nvar isSSR = typeof window ===
'undefined';\n\nexport var HTMLElement = isSSR ? Object : window.HTMLElement;","var _typeof = typeof
Symbol === \"function\" && typeof Symbol.iterator === \"symbol\" ? function (obj) { return typeof obj; } :
function (obj) { return obj && typeof Symbol === \"function\" && obj.constructor === Symbol && obj !==
Symbol.prototype ? \"symbol\" : typeof obj; };\n\n/*\n * Tooltip/Popover component mixin\n * Common props\n
*/\nimport { isArray } from '../utils/array';\nimport { assign } from '../utils/object';\nimport { isElement, getById }
from '../utils/dom';\nimport { HTMLElement } from '../utils/ssr';\nimport observeDom from '../utils/observedom';\n\nvar PLACEMENTS = {\n top: 'top',\n topleft: 'topleft',\n topright: 'topright',\n right: 'right',\n righttop:
'righttop',\n rightbottom: 'rightbottom',\n bottom: 'bottom',\n bottomleft: 'bottomleft',\n bottomright:
'bottomright',\n left: 'left',\n lefttop: 'lefttop',\n leftbottom: 'leftbottom',\n auto: 'auto'\n};\n\nvar
OBSERVER_CONFIG = {\n subtree: true,\n childList: true,\n characterData: true,\n attributes: true,\n
attributeFilter: ['class', 'style']\n};\n\nexport default {\n props: {\n target: {\n
// String ID of element, or
element/component reference\n
type: [String, Object, HTMLElement, Function]\n },\n delay: {\n
type:
[Number, Object, String],\n
default: 0\n },\n offset: {\n
type: [Number, String],\n
default: 0\n },\n
noFade: {\n
type: Boolean,\n
default: false\n },\n container: {\n
// String ID of container, if null body is
used (default)\n
type: String,\n
default: null\n },\n boundary: {\n
// String: scrollParent, window, or
viewport\n
// Element: element reference\n
type: [String, Object],\n
default: 'scrollParent'\n },\n show:
{\n
type: Boolean,\n
default: false\n },\n disabled: {\n
type: Boolean,\n
default: false\n }\n },\n
watch: {\n show: function show(_show, old) {\n
if (_show === old) {\n
return;\n
}\n
_show ?
this.onOpen() : this.onClose();\n },\n disabled: function disabled(_disabled, old) {\n
if (_disabled === old)
{\n
return;\n
}\n
_disabled ? this.onDisable() : this.onEnable();\n }\n },\n created: function created()
{\n // Create non-reactive property\n this._toolpop = null;\n this._obs_title = null;\n this._obs_content =
null;\n },\n mounted: function mounted() {\n var _this = this;\n\n // We do this in a next tick to ensure DOM
has rendered first\n this.$nextTick(function () {\n
// Instantiate ToolTip/PopOver on target\n
// The
createToolpop method must exist in main component\n
if (_this.createToolpop()) {\n
if (_this.disabled) {\n
// Initially disabled\n
_this.onDisable();\n
}\n
// Listen to open signals from others\n
_this.$on('open', _this.onOpen);\n
// Listen to close signals from others\n
_this.$on('close', _this.onClose);\n
// Listen to disable signals from others\n
_this.$on('disable', _this.onDisable);\n
// Listen to disable
signals from others\n
_this.$on('enable', _this.onEnable);\n
// Observe content Child changes so we can
notify popper of possible size change\n
_this.setObservers(true);\n
// Set intially open state\n
if
(_this.show) {\n
_this.onOpen();\n
}\n
}\n });\n },\n updated: function updated() {\n // If
content/props changes, etc\n if (this._toolpop) {\n
this._toolpop.updateConfig(this.getConfig());\n }\n },\n\n
/* istanbul ignore next: not easy to test */\n activated: function activated() {\n // Called when component is inside
a <keep-alive> and component brought offline\n this.setObservers(true);\n },\n\n /* istanbul ignore next: not easy
to test */\n deactivated: function deactivated() {\n // Called when component is inside a <keep-alive> and
component taken offline\n if (this._toolpop) {\n
this.setObservers(false);\n
this._toolpop.hide();\n }\n
},\n\n /* istanbul ignore next: not easy to test */\n beforeDestroy: function beforeDestroy() {\n // Shutdown our
local event listeners\n this.$off('open', this.onOpen);\n this.$off('close', this.onClose);\n this.$off('disable',
this.onDisable);\n this.$off('enable', this.onEnable);\n this.setObservers(false);\n // bring our content back if
needed\n this.bringItBack();\n if (this._toolpop) {\n
this._toolpop.destroy();\n
this._toolpop = null;\n }\n
},\n\n computed: {\n baseConfig: function baseConfig() {\n
var cont = this.container;\n
var delay =
_typeof(this.delay) === 'object' ? this.delay : parseInt(this.delay, 10) || 0;\n
return {\n
// Title prop\n
title:
(this.title || '').trim() || '',\n
// Contnt prop (if popover)\n
content: (this.content || '').trim() || '',\n
//
Tooltip/Popover placement\n
placement: PLACEMENTS[this.placement] || 'auto',\n
// Container curently
needs to be an ID with '#' prepended, if null then body is used\n
container: cont ? /^#/.test(cont) ? cont : '#' +

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```
cont : false,
// boundariesElement passed to popper
boundary: this.boundary,
// Show/Hide
delay: delay || 0,
// Offset can be css distance. if no units, pixels are assumed
offset: this.offset || 0,
// Disable fade Animation?
animation: !this.noFade,
// Open/Close Trigger(s)
trigger: isArray(this.triggers) ? this.triggers.join(' ') : this.triggers,
// Callbacks so we can trigger events on component
callbacks: {
  show: this.onShow,
  shown: this.onShown,
  hide: this.onHide,
  hidden: this.onHidden,
  enabled: this.onEnabled,
  disabled: this.onDisabled
},
// Methods
methods: {
  getCfg: function getCfg() {
    var cfg = assign({}, this.baseConfig);
    if (this._refs.title && this._refs.title.innerHTML.trim()) {
      // If slot has content, it overrides 'title' prop
      // We use the DOM node as content to allow components!
      cfg.title = this._refs.title;
      cfg.html = true;
    }
    if (this._refs.content && this._refs.content.innerHTML.trim()) {
      // If slot has content, it overrides 'content' prop
      // We use the DOM node as content to allow components!
      cfg.content = this._refs.content;
      cfg.html = true;
    }
    return this._cfg;
  },
  onEnable: function onEnable(evt) {
    if (!evt || evt.type !== 'enabled') {
      return;
    }
    this.$emit('update:enabled', true);
    this.$emit('enabled');
  },
  onDisable: function onDisable() {
    if (this._toolpop) {
      this._toolpop.hide();
    } else if (typeof callback === 'function') {
      callback();
    }
  },
  updatePosition: function updatePosition() {
    if (this._toolpop) {
      this._toolpop.update();
    }
  },
  onShow: function onShow() {
    if (this._toolpop) {
      this._toolpop.show();
    }
  },
  onHide: function onHide() {
    this.$emit('hide', evt);
  },
  onHidden: function onHidden() {
    this.$emit('hidden', evt);
  },
  onOpen: function onOpen() {
    if (this._toolpop) {
      this._toolpop.enable();
    }
  },
  onClose: function onClose(callback) {
    if (this._toolpop) {
      this._toolpop.hide(callback);
    } else if (typeof callback === 'function') {
      callback();
    }
  },
  onEnabled: function onEnabled() {
    if (this._toolpop) {
      this._toolpop.enable();
    }
  },
  onDisabled: function onDisabled() {
    if (this._toolpop) {
      this._toolpop.disable();
    }
  },
  onOpen: function onOpen() {
    if (this._toolpop) {
      this._toolpop.show();
    }
  },
  onClosed: function onClosed() {
    if (this._toolpop) {
      this._toolpop.hide();
    }
  },
  onUpdatedPosition: function onUpdatedPosition() {
    if (this._toolpop) {
      this._toolpop.updatePosition();
    }
  },
  onVisibilityChange: function onVisibilityChange() {
    if (this._toolpop) {
      this._toolpop.updatePosition();
    }
  },
  onTrigger: function onTrigger() {
    this._toolpop.updatePosition();
  },
  setObservers: function setObservers() {
    if (this._toolpop) {
      this._toolpop.setObservers();
    }
  },
  setObserversEnabled: function setObserversEnabled() {
    if (this._toolpop) {
      this._toolpop.setObservers(true);
    }
  },
  setObserversDisabled: function setObserversDisabled() {
    if (this._toolpop) {
      this._toolpop.setObservers(false);
    }
  },
  bringItBack: function bringItBack() {
    // Bring our content back if needed to keep Vue happy
    // Tooltip class will move it back to tip when shown again
    this._cfg.$el.appendChild(this.$refs.content);
    if (this._cfg.$el) {
      // Instruct popper to reposition popover if necessary
      this._toolpop.update();
    }
  }
};
```

```
const toolpopMixins = { render: function render(h) {
  return h('div', {
    class: ['d-none'],
    style: { display: 'none' },
    attrs: { 'aria-hidden': true },
    html: { ref: 'title' },
    this.$slots.title, h('div', { ref: 'content' },
    this.$slots.default));
}, data: function data() {
  return {
    type: String,
    default: 'right',
    props: {
      title: {
        type: String,
        default: 'click'
      },
      placement: {
        type: String,
        default: 'right'
      }
    }
  });

  methods: {"}
```
createToolpop: function createToolpop() {
    // getTarget is in toolpop mixin
    var target = this.getTarget();
    if (target) {
        this._toolpop = new PopOver(target, this.getConfig(), this.$root);
    } else {
        this._toolpop = null;
    }
}

createToolpop: function createToolpop() {
    // getTarget is in toolpop mixin
    var target = this.getTarget();
    if (target) {
        this._toolpop = new PopOver(target, this.getConfig(), this.$root);
    } else {
        this._toolpop = null;
        warn("b-popover: 'target' element not found!");
    }
    return this._toolpop;
}
};

<template>
  <div>
    <component :is="rootElement" id="imddb-header" data-turbolinks-permanent=
    "navbar navbar-expand-lg navbar-light imddb-header" :offset="100" :z-index="1020" :on-
    unpin="closeFollowUsPopover" class="navbar navbar-light" :class="{ 'navbar-light': true, 'navbar-dark': false }">
      <!-- @slot Redefines brand -->
      <slot name="brand">
        <a :href="homeUrl" class="navbar-
        brand imddb-header__brand">
          <img src="../assets/images/icij-black@2x.png" height="25" class="mr-
          3" />
          {{ project }}
        </a>
      </slot>
      <button class="navbar-toggler" type="button" aria-
      label="Toggle navigation" @click="toggleNavbar">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="navbar-collapse">
        <!-- @slot Redefines the main navbar block (containing the dropdown) -->
        <slot name="navbar">
          <ul class="navbar-nav mr-auto">
            <li class="nav-item">
              <a href="https://www.icij.org/leak/" target="_blank" class="nav-link">
                {{ $t('imddb-header.navbar.leak') }}
              </a>
            </li>
            <li class="nav-item mr-lg-3">
              <a @click.prevent="$refs.donateFormModal.show()" href="#" class="nav-link">
                {{ $t('imddb-header.navbar.support') }}
              </a>
            </li>
            <li class="nav-item">
              <button class="btn btn-saddle-red btn-block font-weight-bold" id="follow-icij">
                {{ $t('imddb-header.navbar.follow') }}
              </button>
              <b-popover container="imddb-header" target="follow-icij" placement="bottomleft" :show.sync="showSignupPopover">
                <follow-us-popover :show.sync="showSignupPopover"></follow-us-popover>
              </b-popover>
            </li>
          </ul>
        </slot>
      </div>
    </component>
    <b-modal hide-footer lazy ref="donateFormModal" size="lg">
      <span slot="modal-title" class="text-uppercase font-weight-bold text-primary">
        {{ $t('imddb-header.navbar.support') }}
      </span>
      <donate-form no-title></donate-form>
    </b-modal>
  </div>
</template>

<script>
  import bDropdownItem from 'bootstrap-
  vue/es/components/dropdown/dropdown-item'
  import bModal from 'bootstrap-vue/es/components/modal/modal'
  import bNavDropdown from 'bootstrap-vue/es/components/nav/nav-item-dropdown'
  import bPopover from 'bootstrap-vue/es/components/popover/popover'

  import i18n from '@/i18n'
  import { headroom } from 'vue-
  headroom'
  import DonateForm from './DonateForm.vue'
  import FollowUsPopover from './FollowUsPopover.vue'
  import config from '../config'

  /**
   * ImddbHeader
   */
  export default {
    i18n,
    name: 'ImddbHeader',
    components: {
      bDropdownItem,
      bModal,
      bNavDropdown,
      bPopover,
      headroom,
      DonateForm,
      FollowUsPopover
    },
    props: {
      /**
       * CSS
    position of the header. Can be <em>absolute</em>, <em>relative</em>, <em>static</em> or <em>fixed</em>
    (default).
       */
      position: {
        type: String,
        default: 'fixed'
      },
      /**
       * Disable
    Headroom for hiding header until needed.
    */
    noHeadroom: {
        type: Boolean
    },
    /**
     * Project name, to display next to ICIJ logo
     */
    project: {
        type: String,
        default: () => config.get('project.name')
    },
    /**
     * Target link of the ICIJ logo and project name.
     */
    homeUrl: {
        type: String,
        default: () => config.get('app.home')
    },
    methods: {
      closeFollowUsPopover () {
        this.showSignupPopover = false;
      },
      toggleNavbar () {
        this.collapseNavbar = !this.collapseNavbar;
      },
    },
    data () {
      return {
        showSignupPopover: false,
        collapseNavbar: true
      }
    }
  },
  computed: {

### ResponsiveIframe.vue

```javascript
import normalizer from '!!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js' var component = normalizer(script, render, staticRenderFns, false, null, null, null, null, component.options._file = 'ResponsiveIframe.vue?vue&type=script&lang=js&

<script>const noop = () => (null);

/* normalize component */
import normalizer from '!!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js' var component = normalizer(script, render, staticRenderFns, false, null, null, null, null, component.options._file = 'ResponsiveIframe.vue?vue&type=script&lang=js&

<template>
  <div>
    <iframe src="" :allowfullscreen="true" :width="width" :height="height"></iframe>
  </div>
</template>

<script>
  import { resolveComponentFromSSRContext } from 'vue';
  const component = resolveComponentFromSSRContext(Vue);
  export default component.exports;
</script>
```

---

### SlideUpDown.vue

```javascript
export default {
  name: 'SlideUpDown',
  props: {
    active: {
      type: Boolean,
      default: false
    },
    duration: {
      type: Number,
      default: 200
    },
    tag: {
      type: String,
      default: 'div'
    }
  },
  data () {
    return {
      state: 'post',
      mounted: false,
      scrollHeight: 0
    }
  },
  watch: {
    active (toggler) {
      this.triggerSlide()
    }
  },
  render (h) {
    return h(this.tag, { style: this.style, ref: 'container' }, this.$slots.default)
  },
  mounted () {
    this.deferedNextTick(() => {
      this.mounted = true
      this.cleanLayout()
      this.$container.addEventListener("transitionend", this.cleanLayout)
    })
  },

  computed: {
    stylePreTransition () {
      return {
        'overflow': 'hidden',
        'transition-property': 'height',
        'transition-duration': `${this.duration}ms`,
        'height': this.mounted ? this.$container.scrollHeight : 0,
      }
    },
    styleActiveTransition () {
      return {
        'overflow': 'hidden',
        'transition-property': 'height',
        'transition-duration': `${this.duration}ms`,
        'height': this.mounted ? this.$container.scrollHeight : 0,
      }
    },
    stylePostTransition () {
      return this.active ? this.styleActiveTransition : this.stylePreTransition
    },
    style () {
      switch (this.state) {
        case 'pre': return this.stylePreTransition
        case 'active': return this.styleActiveTransition
        default: return this.stylePostTransition
      }
    },
    $container () {
      return this.$refs.container
    }
  },
  methods: {
    triggerSlide () {
      this.state = 'pre'
      this.scrollHeight = this.$container.scrollHeight
      // Defered next tick to let the component render once
      this.deferedNextTick(() => {
        this.state = 'active'
        this.cleanLayout(e => null)
      }) // This method can be triggered by animated child elements in'n' // which case, we should do anything if(e || e.target == this.$container)
      this.deferedNextTick(() => {
        this.state = 'post'
        this.cleanLayout(e => null)
      })
    },
    cleanLayout (e = null) {
      if(!e || e.target == this.$container) {
        this.state = 'post'
        this.deferedNextTick()
      }
    },
    deferedNextTick (fn = noop) {
      setTimeout(() => this.$nextTick(fn), 0)
    },
  }
}
</script>
```

---

### i18n.js

```javascript
import VueI18n from 'vue-i18n'
import { basename, extname } from 'path'

import i18n from './i18n'
export { default as config } from './config'
export { default as
```

---

### Other Components

**ContentView.vue**

```javascript
<template>
  <div>
    <ContentPlaceholder />
    <DonateForm />
    <EmbeddableFooter />
    <EmbedForm />
    <FollowUsPopover />
    <Fa />
    <GenericFooter />
    <ImddbHeader />
    <ResponsiveIframe />
    <SharingOptions />
    <SignUpForm />
    <SlideUpDown />
  </div>
</template>

<script>
  import VueI18n from 'vue-i18n'
  import { basename, extname } from 'path'
  import ContentPlaceholder from './ContentPlaceholder.vue'
  import DonateForm from './DonateForm.vue'
  import EmbeddableFooter from './EmbeddableFooter.vue'
  import EmbedForm from './EmbedForm.vue'
  import FollowUsPopover from './FollowUsPopover.vue'
  import Fa from './Fa.vue'
  import GenericFooter from './GenericFooter.vue'
  import ImddbHeader from './ImddbHeader.vue'
  import ResponsiveIframe from './ResponsiveIframe.vue'
  import SharingOptions from './SharingOptions.vue'
  import SignUpForm from './SignUpForm.vue'
  import SlideUpDown from './SlideUpDown.vue'
  import ContentPlaceholder from './ContentPlaceholder.vue'
  import DonateForm from './DonateForm.vue'
  import EmbeddableFooter from './EmbeddableFooter.vue'
  import EmbedForm from './EmbedForm.vue'
  import Fa from './Fa.vue'
  import GenericFooter from './GenericFooter.vue'
  import ImddbHeader from './ImddbHeader.vue'
  import ResponsiveIframe from './ResponsiveIframe.vue'
  import SharingOptions from './SharingOptions.vue'
  import SignUpForm from './SignUpForm.vue'
  import SlideUpDown from './SlideUpDown.vue'
  import ContentPlaceholder from './ContentPlaceholder.vue'
  import DonateForm from './DonateForm.vue'
  import EmbeddableFooter from './EmbeddableFooter.vue'
  import EmbedForm from './EmbedForm.vue'
  import Fa from './Fa.vue'
  import GenericFooter from './GenericFooter.vue'
  import ImddbHeader from './ImddbHeader.vue'
  import ResponsiveIframe from './ResponsiveIframe.vue'
  import SharingOptions from './SharingOptions.vue'
  import SignUpForm from './SignUpForm.vue'
  import SlideUpDown from './SlideUpDown.vue'
</script>
```

---

### Vue.config.js

```javascript
export { default as Vue } from 'vue';
export { default as VueI18n } from 'vue-i18n';
```
"heading": "Change the rules",
"highlight": "$15-$49/month (or $180-$599/year)",
"list": [
  "Opportunity to submit your question to ICIJ staff. Several questions will be answered in our quarterly ICIJ Insider newsletter",
  "Sneak previews behind the scenes of ICIJ’s work (monthly)",
  "ICIJ Insider Newsletter (quarterly)",
  "ICIJ’s Weekly Update"
]
],
"world": {
"heading": "Change the world",
"highlight": "$50/month and above (or $600/year and above)",
"list": [
  "Invitation to exclusive chat with ICIJ staff about our latest major project after publication",
  "Opportunity to submit your questions to ICIJ staff. Several questions will be answered in our quarterly ICIJ Insider newsletter",
  "Sneak previews behind the scenes of ICIJ’s work (monthly)",
  "ICIJ Insider Newsletter (quarterly)",
  "ICIJ’s Weekly Update"
]
},
"sign-up-form": {
"label": "Stories in your inbox",
"placeholder": "Email address",
"submit": "Sign up"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-tgz/package/lib/locales/en.json
No license file was found, but licenses were detected in source scan.

{"version":3,"sources":[]}
Open Source Used In APIC-SE-BATMAN v2.0.1  19478

"bup","compare","sortDetached","aup","ap","bp","unshift","expr","elements","attr","val","specified","escape","sel","uniqueSort","duplicates","detectDuplicates","sortStable","textContent","firstChild","nodeValue","selectors","create Pseudo","relative",">","+","-","preFilter","excess","unquoted","nodeNameSelector","pattern","operator","check","what","simple","forwar rd","oOfType","xml","uniqueCache","outerCache","nodeValue","useCache","lastChild","uniqueID","pseudo ","args","setFilters","idx","matched","not","matcher","unmatched","has","innerText","lang","elemLang","hash","loc ation","focus","activeElement","hasFocus","href","tabIndex","enabled","checked","selected","selectedIndex","empt y","header","button","even","odd","lt","gt","radio","checkbox","file","password","image","submit","reset","tokens"," combinator","base","skip","checkNonElements","doneName","oldCache","newCache","elementMatcher","matcher s","multipleContexts","contexts","condense","newUnmatched","mapped","setMatcher","postFilter","postFinder","p ostSelector","temp","preMap","postMap","preexisting","matcherFn","matcherOut","matcherFromTokens","checkContext","leadingRelative","implicitRelative","matchContext","matchAnyContext","matcherFromGroupMatchers","el ementMatchers","setMatchers","bySet","byElement","superMatcher","outmost","matchedCount","setMatched","c ontextBackup","dirrunsUnique","filters","parseOnly","soFar","preFilters","cached","token","compiled","defaultVal ue","unique","iXMLDoc","escapeSelector","until","truncate","is","siblings","needsContext","singleTag","winno w","qualifier","rootjQuery","parseHTML","ready","<parentsprev","guaranteedUnique","children","contents","prev","sibling","targets","closest","prevAll","add","addBack","parents","parentsUntil","nextAll","nextUntil","prevUntil","contentDocument","iContent","reverse","rnohtmlwhite","createOptions","flag","Identity","v","Fetcher","ex","adopt Value","resolve","reject","noValue","method","promise","fail","Callbacks","firing","memory","fired","locked","que ue","firingIndex","fire","once","stopOnFalse","remove","disable","lock","fireWith","Deferred","tuples","state","alw ays","deferrd","catch","pipe","fn","newDefer","tupel","returned","progress","notify","onFulfilled","onRejected"," onProgress","maxDepth","depth","special","mightThrow","TypeError","notifyWith","resolveWith","process","execeptionHook","stackTrace","rejectWith","getStackTrace","setTimeout","stateString","when","singleValue","remaining ","resolveContexts","resolveValues","master","updateFunc","errorNames","stack","console","warn","message","readException","readyList","completed","removeEventListener","readyWait","wait","readyState","doScroll","access ","chainable","emptyGet","raw","bulk","rmsPrefix","rdashAlpha","fcamelCase","all","letter","toUpperCase","camel Case","string","acceptData","owner","Data","uid","configurable","set","data","prop","hasData","dataPriv","dataUse r","rbrace","rmultiDash","getData","JSON","parse","dataAttr","removeData","_data","_removeData","dequeue","st artLength","hooks","_queueHooks","stop","setter","clearQueue","count","defer","pnum","source","rcssNum","cssEx pand","isHiddenWithinTree","style","display","css","swap","old","adjustCSS","valueParts","ttween","adjusted","sc ale","maxIterations","currentValue","initial","unit","cssNumber","initialInUnit","defaultDisplayMap","getDefaul tDisplayMap","body","showHide","show","toggle","rcheckableType","rtagName","rsrscriptType","unwrapMap","option","thea d","col","tr","td","_default","getAll","setGlobalEval","refElements","optgroup","tbody","tfooter","colgroup","c ation","th","rhtml","buildFragment","scripts","selection","ignored","wrap","fragment","createDocumentFragment","node s","htmlPrefilter","createTextNode","div","checkClone","cloneNode","noCloneChecked","rkeyEvent","rmouseEven t","rtypenamespace","returnTrue","returnFalse","safeActiveElement","err","on","types","one","origFn","event","off ","handleObjIn","eventHandle","handleEvent","handleObj","handlers","namespaces","origType","elemData","handle","tri ggered","dispatch","delegateType","bindType","namespace","delegateCount","setup","mappedTypes","origCount","teardown","removeEvent","nativeEvent","delegateQueue","fix","delegateTarget","preDispatch","isPropagationStop ped","currentTarget","isImmediatePropagationStopped","rnamespaces","preventDefault","stopPropagation","postDis patch","matchedHandlers","matchedSelectors","addProp","hook","Event","originalEvent","writable","load","noBub ble","trigger","blur","click","beforeunload","returnValue","props","isDefaultPrevented","defaultPrevented","related Target","timeStamp","now","isSimulated","stopImmediatePropagation","altKey","bubbles","cancelable","changedT ouches","ctrlKey","detail","eventPhase","metaKey","pageX","pageY","shiftKey","view","char","charCode","keyCo de","buttons","clientX","clientY","offsetX","offsetY","pointerId","pointerType","screenX","screenY","touchTarget es","toElement","touches","which","mouseEvent","mouseleave","pointerenter","pointerleave","orig","related","rtxt mlTag","rnoInnerhtml","rchecked","rcleanScript","manipulationTarget","disableScript","restoreScript","cloneCopy Event","dest","pdataOld","pdataCur","udataOld","udataCur","fixInput","domManip","collection","hasScripts","iNo
G,IAAA3k,C,AAA,qBAAAh6d,UAEE2oG,UAFA,WAAcA,IAAAsB,EAAAnGt,UAAAnG,OOAA,QAAC1D,IAAA
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,UAAnxG,AAAA,AzAzG,F,GAAA,GAAA,QAAGh6C,AAAA,AzAzG,F,GAAA,GAAA,QAAGh6C,AAAA,AzAzG,F,
GAAA,GAAA,QAAGh6C,AAAA,AzAzG,F,GAAA,GAAA,QAAGh6C,AAAA,AzAzG,F,GAAA,GAAA,QAAGh6C,
Check if module is in cache

Create a new module (and put it into the cache)

Flag the module as loaded

Return the exports of the module

expose the modules object

define getter function for harmony exports

behave like require

return value when already ns object

merge all properties of value into the ns

merge modules object

expose the module cache

define getter function for harmony exports

behave like require

execute module function

Flag the module as loaded

Return the exports of the module

// expose the modules object

// expose the module cache

// expose a create a fake namespace object

// mode & 1: value is a module id, require it

// mode & 2: merge all properties of value into the ns

// mode & 4: return value when already ns object

// mode & 8: behave like require

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VALUES;\n var VALUES_BUG = false;\n var proto = Base.prototype;\n var $native = proto[ITERATOR] ||
proto[FF_ITERATOR] || DEFAULT && proto[DEFAULT];\n var $default = $native || getMethod(DEFAULT);\n
var $entries = DEFAULT ? !DEF_VALUES ? $default : getMethod('entries') : undefined;\n var $anyNative =
NAME == 'Array' ? proto.entries || $native : $native;\n var methods, key, IteratorPrototype;\n // Fix native\n if
($anyNative) {\n IteratorPrototype = getPrototypeOf($anyNative.call(new Base()));\n if (IteratorPrototype !==
Object.prototype && IteratorPrototype.next) {\n
// Set @@toStringTag to native iterators\n
setToStringTag(IteratorPrototype, TAG, true);\n
// fix for some old engines\n
if (!LIBRARY && typeof
IteratorPrototype[ITERATOR] != 'function') hide(IteratorPrototype, ITERATOR, returnThis);\n }\n }\n // fix
Array#{values, @@iterator}.name in V8 / FF\n if (DEF_VALUES && $native && $native.name !== VALUES)
{\n VALUES_BUG = true;\n $default = function values() { return $native.call(this); };\n }\n // Define iterator\n
if ((!LIBRARY || FORCED) && (BUGGY || VALUES_BUG || !proto[ITERATOR])) {\n hide(proto,
ITERATOR, $default);\n }\n // Plug for library\n Iterators[NAME] = $default;\n Iterators[TAG] = returnThis;\n
if (DEFAULT) {\n methods = {\n
values: DEF_VALUES ? $default : getMethod(VALUES),\n
keys:
IS_SET ? $default : getMethod(KEYS),\n
entries: $entries\n };\n if (FORCED) for (key in methods) {\n
if
(!(key in proto)) redefine(proto, key, methods[key]);\n } else $export($export.P + $export.F * (BUGGY ||
VALUES_BUG), NAME, methods);\n }\n return methods;\n};\n","var isPrototype = require('./_isPrototype'),\n
nativeKeys = require('./_nativeKeys');\n\n/** Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/** Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/**\n * The base implementation of `_.keys` which doesn't treat sparse arrays as
dense.\n *\n * @private\n * @param {Object} object The object to query.\n * @returns {Array} Returns the array
of property names.\n */\nfunction baseKeys(object) {\n if (!isPrototype(object)) {\n return nativeKeys(object);\n
}\n var result = [];\n for (var key in Object(object)) {\n if (hasOwnProperty.call(object, key) && key !=
'constructor') {\n
result.push(key);\n }\n }\n return result;\n}\n\nmodule.exports = baseKeys;\n","var Symbol
= require('./_Symbol'),\n isArguments = require('./isArguments'),\n isArray = require('./isArray');\n\n/** Built-in
value references. */\nvar spreadableSymbol = Symbol ? Symbol.isConcatSpreadable : undefined;\n\n/**\n * Checks
if `value` is a flattenable `arguments` object or array.\n *\n * @private\n * @param {*} value The value to check.\n
* @returns {boolean} Returns `true` if `value` is flattenable, else `false`.\n */\nfunction isFlattenable(value) {\n
return isArray(value) || isArguments(value) ||\n !!(spreadableSymbol && value &&
value[spreadableSymbol]);\n}\n\nmodule.exports = isFlattenable;\n","/**\n * This method returns `false`.\n *\n *
@static\n * @memberOf _\n * @since 4.13.0\n * @category Util\n * @returns {boolean} Returns `false`.\n *
@example\n *\n * _.times(2, _.stubFalse);\n * // => [false, false]\n */\nfunction stubFalse() {\n return
false;\n}\n\nmodule.exports = stubFalse;\n","/**\n * Appends the elements of `values` to `array`.\n *\n * @private\n
* @param {Array} array The array to modify.\n * @param {Array} values The values to append.\n * @returns
{Array} Returns `array`.\n */\nfunction arrayPush(array, values) {\n var index = -1,\n
length = values.length,\n
offset = array.length;\n\n while (++index < length) {\n array[offset + index] = values[index];\n }\n return
array;\n}\n\nmodule.exports = arrayPush;\n","var isObject = require('./isObject');\n\n/**\n * Checks if `value` is
suitable for strict equality comparisons, i.e. `===`.\n *\n * @private\n * @param {*} value The value to check.\n *
@returns {boolean} Returns `true` if `value` if suitable for strict\n * equality comparisons, else `false`.\n
*/\nfunction isStrictComparable(value) {\n return value === value && !isObject(value);\n}\n\nmodule.exports =
isStrictComparable;\n","import mod from \"-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vueloader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-12!../../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--00!../../node_modules/vue-loader/lib/index.js??vue-loaderoptions!./SharingOptions.vue?vue&type=style&index=0&lang=scss&\"; export default mod; export * from \"!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/cssloader/index.js??ref--8-oneOf-1-1!../../node_modules/vueloader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-

Open Source Used In APIC-SE-BATMAN v2.0.1 19600


var $export = require('./_export');
var core = require('./_core');
var global = require('./_global');
var speciesConstructor = require('./_species-constructor');
var promiseResolve = require('./_promise-resolve');

$export($export.P + $export.R, 'Promise', { 'finally': function (onFinally) {
  var C = speciesConstructor(this, core.Promise || global.Promise);
  var isFunction = typeof onFinally == 'function';

  return this.then(
    isFunction ? function (x) {
      return promiseResolve(C, onFinally()).then(function () { return x; });
    } : onFinally,
    isFunction ? function (e) {
      return promiseResolve(C, onFinally()).then(function () { throw e; });
    } : onFinally
  ).catch(C, function (e) {
    promiseResolve(C, onFinally()).then(function () { throw e; });
  });
});

var baseIsNative = require('./_baseIsNative'),
    getValue = require('./_getValue');

/**
 * Gets the native function at `key` of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {string} key The key of the method to get.
 * @returns {*} Returns the function if it's native, else `undefined`.
 */
function getNative(object, key) {
  var value = getValue(object, key);
  return baseIsNative(value) ? value : undefined;
}

module.exports = getNative;

'use strict';

module.exports = function () {
  var that = anObject(this);
  var result = '';
  if (that.global) result += 'g';
  if (that.ignoreCase) result += 'i';
  if (that.multiline) result += 'm';
  if (that.unicode) result += 'u';
  if (that.sticky) result += 'y';
  return result;
};

var root = require('./_root'),
    stubFalse = require('./stubFalse');

/** Detect free variable `exports`. */
var freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;

/** Detect free variable `module`. */
var freeModule = freeExports && typeof module == 'object' && module && !module.nodeType && module;

/** Detect the popular CommonJS extension `module.exports`. */
var moduleExports = freeModule && freeModule.exports === freeExports;

/** Built-in value references. */
var Buffer = moduleExports ? root.Buffer : undefined;

/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeIsBuffer = Buffer ? Buffer.isBuffer : undefined;

/**
 * Checks if `value` is a buffer.
 *
 * @static
 * @memberOf _
 * @since 4.3.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a buffer, else `false`.
 * @example
 *
 * _.isBuffer(new Buffer(2));
 * // => true
 *
 * _.isBuffer(new Uint8Array(2));
 * // => false
 */
var isBuffer = nativeIsBuffer || stubFalse;

module.exports = isBuffer;

var $keys = require('./_object-keys-internal');
var enumBugKeys = require('./_enum-bug-keys');

module.exports = Object.keys || function keys(O) {
  return $keys(O, enumBugKeys);
};

var identity = require('./identity'),
    overRest = require('./_overRest'),
    setToString = require('./_setToString');

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 *
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 * @returns {Function} Returns the new function.
 */
function baseRest(func, start) {
  return setToString(overRest(func, start, identity), func + '');
}

module.exports = baseRest;

// 19.1.2.14 / 15.2.3.14 Object.keys(O)

"use strict";
Open Source Used In APIC-SE-BATMAN v2.0.1 19603
value, i = 0, 

\[ \text{function}(i, \text{name}) \] 

\[ \text{isArrayLike}(\text{obj}) \] 

\[ \text{toType}(\text{obj}) \] 

\[ \text{isBoolean}(\text{obj}) \] 

\[ \text{isNumber}(\text{obj}) \] 

\[ \text{isString}(\text{obj}) \] 

\[ \text{isUndefined}(\text{obj}) \] 

\[ \text{isFinite}(\text{obj}) \] 

\[ \text{isInteger}(\text{obj}) \] 

\[ \text{isElement}(\text{obj}) \] 

\[ \text{isXMLDoc}(\text{obj}) \] 

\[ \text{isPlainObject}(\text{obj}) \] 

\[ \text{isRegExp}(\text{obj}) \] 

\[ \text{isDate}(\text{obj}) \] 

\[ \text{isNull}(\text{obj}) \] 

\[ \text{isContext}(\text{obj}) \] 

\[ \text{isAnonymous}(\text{obj}) \] 

\[ \text{isFunction}(\text{obj}) \] 

\[ \text{isArray}(\text{obj}) \] 

\[ \text{isDOMObject}(\text{obj}) \] 

\[ \text{isNativeObject}(\text{obj}) \] 

\[ \text{isGlobalObject}(\text{obj}) \] 

\[ \text{isWindow}(\text{obj}) \] 

\[ \text{isBrowser}(\text{obj}) \] 

\[ \text{isObject}(\text{obj}) \] 

\[ \text{isString}(\text{obj}) \] 

\[ \text{isNumber}(\text{obj}) \] 

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\[ \text{isXMLDoc}(\text{obj}) \] 

\[ \text{isPlainObject}(\text{obj}) \] 

\[ \text{isNativeObject}(\text{obj}) \] 

\[ \text{isAnonymous}(\text{obj}) \]
enabled

Open Source Used In APIC-SE-BATMAN v2.0.1

19607
IE<10

// Check if getElementsByTagName returns elements by name
	// The broken getElementsByTagName method doesn't pick
up programmatically-set names,
	// so use a workaround getElementsByClassName test

support.getElementsByTagName = function( tag, context ) {
	if ( typeof context.getElementsByTagName !== "undefined" ) {
		return context.getElementsByTagName( tag );
	}
	if ( rnative.test( document.querySelectorAll ) ) {
		// Use qSa if possible
		// qSa tests for matchesSelector which is not available
		// without support for getElementsByClassName
		var results = context.querySelectorAll( tag );
		context.querySelectorAll = context.querySelectorAll ||
		function( tag ) {
			return results;
		};
	}
	return context.querySelectorAll( tag, context );
	}

// const that maps element node types to their corresponding string representation

Expr.filter["ID"] = function( id ) {
	var attrId = id.replace( runescape, funescape );
	return function( elem ) {
		var node = typeof elem.getAttributeNode !== "undefined" &&
				(elem.getAttributeNode("id") 
								&& node.value === attrId );
			return node ? [ elem ] : [];
	};

// ID filter and find
	if ( support.getById ) {
		Expr.filter["ID"] = function( id, context ) {
			var attrId = id.replace( runescape, funescape );
			return function( elem ) {
				var element = context.getElementById( id );
				if ( element ) { return [ element ]; } else { return [];
			}
		}
	} else {
		Expr.filter["ID"] = Expr.filter["class"] =
			function( id, context ) {
				var attrId = id.replace( runescape, funescape );
				return function( elem ) {
					var node = elem.getAttributeNode("id");
					return node ? [ elem ] : [];
			}
		};

// Tag
	Expr.find["TAG"] = support.getElementsByTagName ?
		function( tag, context ) {
			return context.getElementsByTagName( tag );
		} :

		function( tag, context ) {
			var node, i, elems, tmp,
				returns = context.getElementsByTagName( tag );

			if ( tag === "*" ) {
				while ( (node = returns[i++]) ) {
					if ( node.nodeType === 1 ) {
						tmp.push( node );
				}
			}

			return tmp;
		}
	}

// Class
	Expr.find["CLASS"] = support.getElementsByClassName && function( className, context ) {
		if ( typeof context.getElementsByClassName !== "undefined" ) {
			return context.getElementsByClassName( className );
		}
	};

/* QSA/matchesSelector
------------------------------
------------------------------------------ */

// QSA and matchesSelector support

// matchesSelector(:active)
	// reports false when true (IE9/Opera 11.5)
	// reports false when true (Chrome 21)
	// We allow this because of a bug in IE8/9 that throws an error/operator whenever
	// document.activeElement is accessed on an iframe, so we allow :focus to pass through QSA all the time to avoid the IE error/operator See https://bugs.jquery.com/ticket/13378

// qSa(:focus) reports false when true (Opera 11-12.16)
	// Boolean attributes and "value" are not treated
	// correctly by qSa
	// For more details, see https://bugs.jquery.com/ticket/4955

// WebKit/Opera - :checked should return selected option
	// reports false when true (IE9/Opera 11.5)
	// reports false when true (Chrome 21)
	// We allow this because of a bug in IE8/9 that throws an error/operator whenever
	// document.activeElement is accessed on an iframe, so we allow :focus to pass through QSA all the time to avoid the IE error/operator See https://bugs.jquery.com/ticket/13378

// PhantomJS<1.9.8 - qSa(
	// reports false when true (IE9/Opera 11.5)
	// reports false when true (Chrome 21)
	// We allow this because of a bug in IE8/9 that throws an error/operator whenever
	// document.activeElement is accessed on an iframe, so we allow :focus to pass through QSA all the time to avoid the IE error/operator See https://bugs.jquery.com/ticket/13378
elements

Open Source Used In APIC-SE-BATMAN v2.0.1  19609
Open Source Used In APIC-SE-BATMAN v2.0.1 19610

```javascript
				bup ? 1 :
					sortInput ?
					( indexOf( sortInput, a ) - indexOf( sortInput, b ) )

				0;

		// If the nodes are siblings, we can do a quick check
		} else if ( aup === bup ) {
			return siblingCheck( a, b );
		}

		// Otherwise we need full lists of their ancestors for comparison
		cur =
			ap.unshift( cur );
		cur =
			bp.unshift( cur );

		// Walk down the tree looking for a discrepancy
		while ( ap[i] === bp[i] ) {
			i++;
		}

		// Do a sibling check if the nodes have a common ancestor
		return siblingCheck( ap[i], bp[i] );

			return document;
};

Sizzle.matches =
	return Sizzle.matchesSelector =
	Sizzle.contains =
	Sizzle.attr =
	Sizzle.escape =
	Sizzle.error =
	.Expr =
```
null;
return !results.pop();
},

"has":

unmatched[i]) ) {
seed[i] = !(matches[i] = elem);
}

while ( i-- ) {

if ( (elem = context, xml) {

elem,

unmatched = matcher( seed, null, xml, [] ),

i = unmatched.length;

while ( i-- ) {

idx = indexOf( seed, matched[i] );

seed[ idx ] = !( matches[ idx ] = matched[i] );

matched = fn( seed, argument ),

i = matched.length;

while ( i-- ) {

if ( ( ofType ?

node.nodeName.toLowerCase() === name || !results.pop()) ) {

if ( start.pop()) ) {

When found, cache indexes on ‘parent’ and break

( node.nodeType === 1 &

& node.dir ) ||

node.uniqueID ] = {});

node = parent.childNodes[ nodeIndex ];

node = node && node[ dir ] ||

node.nodeType === 1 ) &&

nodeIndex;

node = parent;
markFunction(function( selector ) { return function( elem ) { return Sizzle( selector, elem ).length > 0; });

"contains": markFunction(function( text ) { return text.replace( runescape, funescape ); });

"contains": markFunction(function( elem ) { return Sizzle( elem.textContent || elem.innerText || getText( elem ) ).indexOf( text ) > -1; });

"contains": markFunction(function( elem ) { return Sizzle( elem.getAttribute("xml:lang") || elem.getAttribute("lang") ) });

"lang": markFunction( function( lang ) {
    // lang value must be a valid identifier
    if ( !ridentifier.test(lang || "") ) {
        Sizzle.error( "unsupported lang: " + lang );
    }
    // lang value must be a valid identifier
    return lang.replace( runescape, funescape ).toLowerCase();

    return function( elem ) {
        var elemLang;
        do {
            if ( (elemLang = documentIsHTML ? elem.lang : elem.getAttribute("xml:lang") || elem.getAttribute("lang")) ) {
                elemLang = elemLang.toLowerCase();
                return elemLang === lang || elemLang.indexOf( lang + "-" ) === 0;
            }
        } while ( (elem = elem.parentNode) && elem.nodeType === 1 );
        return false;
    };

    "selected": function( elem ) {
        // Accessing this property makes selected-by-default
        // options in Safari work properly
        return elem.selected === true;
    },

    "empty": function( elem ) {
        // http://www.w3.org/TR/selectors/#empty-pseudo
        // :empty is negated by element (1) or content nodes (text: 3; cdata: 4; entity ref: 5),
        // but not by others (comment: 8; processing instruction: 7; etc.)
        return !Expr.pseudos["empty"]( elem );
    },

    "first": createPositionalPseudo(function() {
        return [ 0 ];
    }),

    "last": createPositionalPseudo(function() {
        return Sizzle( function( matchIndexes ) {
            return matchIndexes[ matchIndexes.length - 1 ];
        }, elem ).eq[ elem.type === "text" ];
    }),

    "eq": createPositionalPseudo(function( matchIndexes, argument ) {
        var i = argument < 0 ? argument + matchIndexes.length : argument;
        for ( ; --i >= 0; ) {
            matchIndexes.push( i );
        }
        return matchIndexes;
    }),

    "even": createPositionalPseudo(function( matchIndexes, length ) {
        var i = 0;
        for ( ; i < length; i += 2 ) {
            matchIndexes.push( i );
        }
        return matchIndexes;
    }),

    "odd": createPositionalPseudo(function( matchIndexes, length ) {
        var i = 1;
        for ( ; i < length; i += 2 ) {
            matchIndexes.push( i );
        }
        return matchIndexes;
    }),

    "gt": createPositionalPseudo(function( matchIndexes, length, argument ) {
        var i = argument < 0 ? argument + length : argument;
        return i < matchIndexes.length ? matchIndexes[ i ] : false;
    }),

    "lt": createPositionalPseudo(function( matchIndexes, length, argument ) {
        var i = argument < 0 ? argument + length : argument;
        return i < matchIndexes.length ? matchIndexes[ i ] : false;
    })
});
if ( match.length === 1 ) {

		// Reduce context if the leading compound selector is an
	// Try to minimize operations if there is only one selector in the list and no seed
	// (the latter of which
		match = !seed && tokenize( (selector = compiled.selector || selector) );

	results = results ||
reference\nrootjQuery = jQuery( document );\n\n\nvar rparentsprev = /^(?:parents|prev(?:Until|All))/,\n\n\t//
Methods guaranteed to produce a unique set when starting from a unique set\n\tguaranteedUnique = {\n\t\tchildren:
true,\n\t\tcontents: true,\n\t\tnext: true,\n\t\tprev: true\n\t};\n\njQuery.fn.extend( {\n\thas: function( target ) {\n\t\tvar
targets = jQuery( target, this ),\n\t\t\tl = targets.length;\n\n\t\treturn this.filter( function() {\n\t\t\tvar i = 0;\n\t\t\tfor ( ;
i < l; i++ ) {\n\t\t\t\tif ( jQuery.contains( this, targets[ i ] ) ) {\n\t\t\t\t\treturn true;\n\t\t\t\t}\n\t\t\t}\n\t\t}
);\n\t},\n\n\tclosest: function( selectors, context ) {\n\t\tvar cur,\n\t\t\ti = 0,\n\t\t\tl = this.length,\n\t\t\tmatched =
[],\n\t\t\ttargets = typeof selectors !== \"string\" && jQuery( selectors );\n\n\t\t// Positional selectors never match,
since there's no _selection_ context\n\t\tif ( !rneedsContext.test( selectors ) ) {\n\t\t\tfor ( ; i < l; i++ ) {\n\t\t\t\tfor (
cur = this[ i ]; cur && cur !== context; cur = cur.parentNode ) {\n\n\t\t\t\t\t// Always skip document
fragments\n\t\t\t\t\tif ( cur.nodeType < 11 && ( targets ?\n\t\t\t\t\t\ttargets.index( cur ) > -1 :\n\n\t\t\t\t\t\t// Don't pass
non-elements to Sizzle\n\t\t\t\t\t\tcur.nodeType === 1 &&\n\t\t\t\t\t\t\tjQuery.find.matchesSelector( cur, selectors ) )
) {\n\n\t\t\t\t\t\tmatched.push( cur );\n\t\t\t\t\t\tbreak;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\treturn this.pushStack(
matched.length > 1 ? jQuery.uniqueSort( matched ) : matched );\n\t},\n\n\t// Determine the position of an element
within the set\n\tindex: function( elem ) {\n\n\t\t// No argument, return index in parent\n\t\tif ( !elem ) {\n\t\t\treturn
( this[ 0 ] && this[ 0 ].parentNode ) ? this.first().prevAll().length : -1;\n\t\t}\n\n\t\t// Index in selector\n\t\tif ( typeof
elem === \"string\" ) {\n\t\t\treturn indexOf.call( jQuery( elem ), this[ 0 ] );\n\t\t}\n\n\t\t// Locate the position of the
desired element\n\t\treturn indexOf.call( this,\n\n\t\t\t// If it receives a jQuery object, the first element is
used\n\t\t\telem.jquery ? elem[ 0 ] : elem\n\t\t);\n\t},\n\n\tadd: function( selector, context ) {\n\t\treturn
this.pushStack(\n\t\t\tjQuery.uniqueSort(\n\t\t\t\tjQuery.merge( this.get(), jQuery( selector, context )
)\n\t\t\t)\n\t\t);\n\t},\n\n\taddBack: function( selector ) {\n\t\treturn this.add( selector == null ?\n\t\t\tthis.prevObject :
this.prevObject.filter( selector )\n\t\t);\n\t}\n} );\n\nfunction sibling( cur, dir ) {\n\twhile ( ( cur = cur[ dir ] ) &&
cur.nodeType !== 1 ) {}\n\treturn cur;\n}\n\njQuery.each( {\n\tparent: function( elem ) {\n\t\tvar parent =
elem.parentNode;\n\t\treturn parent && parent.nodeType !== 11 ? parent : null;\n\t},\n\tparents: function( elem )
{\n\t\treturn dir( elem, \"parentNode\" );\n\t},\n\tparentsUntil: function( elem, i, until ) {\n\t\treturn dir( elem,
\"parentNode\", until );\n\t},\n\tnext: function( elem ) {\n\t\treturn sibling( elem, \"nextSibling\" );\n\t},\n\tprev:
function( elem ) {\n\t\treturn sibling( elem, \"previousSibling\" );\n\t},\n\tnextAll: function( elem ) {\n\t\treturn dir(
elem, \"nextSibling\" );\n\t},\n\tprevAll: function( elem ) {\n\t\treturn dir( elem, \"previousSibling\"
);\n\t},\n\tnextUntil: function( elem, i, until ) {\n\t\treturn dir( elem, \"nextSibling\", until );\n\t},\n\tprevUntil:
function( elem, i, until ) {\n\t\treturn dir( elem, \"previousSibling\", until );\n\t},\n\tsiblings: function( elem )
{\n\t\treturn siblings( ( elem.parentNode || {} ).firstChild, elem );\n\t},\n\tchildren: function( elem ) {\n\t\treturn
siblings( elem.firstChild );\n\t},\n\tcontents: function( elem ) {\n
if ( nodeName( elem, \"iframe\" ) ) {\n
return elem.contentDocument;\n
}\n\n
// Support: IE 9 - 11 only, iOS 7 only, Android Browser <=4.3
only\n
// Treat the template element as a regular one in browsers that\n
// don't support it.\n
if (
nodeName( elem, \"template\" ) ) {\n
elem = elem.content || elem;\n
}\n\n
return jQuery.merge( [],
elem.childNodes );\n\t}\n}, function( name, fn ) {\n\tjQuery.fn[ name ] = function( until, selector ) {\n\t\tvar
matched = jQuery.map( this, fn, until );\n\n\t\tif ( name.slice( -5 ) !== \"Until\" ) {\n\t\t\tselector =
until;\n\t\t}\n\n\t\tif ( selector && typeof selector === \"string\" ) {\n\t\t\tmatched = jQuery.filter( selector, matched
);\n\t\t}\n\n\t\tif ( this.length > 1 ) {\n\n\t\t\t// Remove duplicates\n\t\t\tif ( !guaranteedUnique[ name ] )
{\n\t\t\t\tjQuery.uniqueSort( matched );\n\t\t\t}\n\n\t\t\t// Reverse order for parents* and prev-derivatives\n\t\t\tif (
rparentsprev.test( name ) ) {\n\t\t\t\tmatched.reverse();\n\t\t\t}\n\t\t}\n\n\t\treturn this.pushStack( matched );\n\t};\n}
);\nvar rnothtmlwhite = ( /[^\\x20\\t\\r\\n\\f]+/g );\n\n\n\n// Convert String-formatted options into Object-formatted
ones\nfunction createOptions( options ) {\n\tvar object = {};\n\tjQuery.each( options.match( rnothtmlwhite ) || [],
function( _, flag ) {\n\t\tobject[ flag ] = true;\n\t} );\n\treturn object;\n}\n\n/*\n * Create a callback list using the
following parameters:\n *\n *\toptions: an optional list of space-separated options that will change how\n *\t\t\tthe
callback list behaves or a more traditional option object\n *\n * By default a callback list will act like an event
callback list and can be\n * \"fired\" multiple times.\n *\n * Possible options:\n *\n *\tonce:\t\t\twill ensure the
callback list can only be fired once (like a Deferred)\n *\n *\tmemory:\t\t\twill keep track of previous values and will
call any callback added\n *\t\t\t\t\tafter the list has been fired right away with the latest \"memorized\"\n

Open Source Used In APIC-SE-BATMAN v2.0.1 19619


value \&\& isFunction( ( method = value.then ) ) ) {value
method.call( value, resolve, reject );} else {value
// Control ‘resolve’ arguments by letting Array#slice cast boolean ‘noValue’ to
 integer:value/* false: [ value ].slice( 0 ) => resolve( value )
true: [ value ].slice( 1 ) =>
resolve(value
value
apply( undefined, [ value ]
slice( noValue ) );} /* For Promises/A+, convert
exceptions into rejections
Since jQuery, when doesn’t unwrap thenables, we can skip the extra checks appearing

Currently Deferred#then to conditionally suppress rejection.catch( value ) {value
// Support: Android 4.0
only
// Strict mode functions invoked without .call/.apply get global-object context

$.extend( {value
Deferred: function( func ) {value
tuples = []; 
action, add
listener, callbacks;
... then handlers, argument index, [final state],notify,

promises aplus.com/#point-64
thenable
‘then’ only once

promises aplus.com/#point-75
only
Promises/A+ section 2.3.3.3.3
https://promisesaplus.com/#point-59
Ignore double-resolution attempt
https://promisesaplus.com/#point-48
throw new TypeError( ‘Thenable self-resolution’
)
https://promisesaplus.com/#point-64
https://promisesaplus.com/#point-75
https://promisesaplus.com/#point-54
https://promisesaplus.com/#point-48
https://promisesaplus.com/#point-59

Call given func if any

```javascript
// Call given func if any
func( deferred, deferred );
```

All done! Return deferred;

```javascript
// All done! Return deferred;
```

Defered helper when function

```javascript
// Deferred helper when function;
```

Count of uncompleted subordinates remaining = arguments.length;

```javascript
count of uncompleted subordinates remaining = arguments.length;
```

Count of unprocessed arguments

```javascript
count of unprocessed arguments
```

Remaining

```javascript
Remaining
```

Subordinate fulfillment data

```javascript
Subordinate fulfillment data
```

Slice call args

```javascript
Slice call args
```

The master Deferred

```javascript
The master Deferred
```

Subordinate callback factory

```javascript
Subordinate callback factory
```

The return function

```javascript
The return function;
```

Resolve contexts

```javascript
Resolve contexts
```

Slice call arguments

```javascript
Slice call arguments
```

Single- and empty arguments

```javascript
Single- and empty arguments
```

Adopted like Promise

```javascript
Adopted like Promise
```

Multiple arguments are aggregated

```javascript
Multiple arguments are aggregated
```

Array elements

```javascript
Array elements
```

While

```javascript
While
```

User .then() to unwrap secondary

```javascript
User .then() to unwrap secondary
```

Thenables

```javascript
Thenables
```

Multiple state

```javascript
Multiple state
```

Use .then()

```javascript
Use .then()
```

Function

```javascript
Function
```

Promises

```javascript
Promises
```

This usually indicate a programmer mistake during

```javascript
This usually indicate a programmer mistake during
```

Development

```javascript
Development
```

Warn about them ASAP rather than swallowing them by default.

```javascript
Warn about them ASAP rather than swallowing them by default.
```

Names

```javascript
Names
```

Function( error, stack )

```javascript
Function( error, stack )
```

Support: IE 8 - 9 only

```javascript
Support: IE 8 - 9 only
```

Console exists when dev tools are open, which can happen at any time

```javascript
Console exists when dev tools are open, which can happen at any time
```

Window

```javascript
Window
```

Then( fn )

```javascript
Then( fn )
```

Thenables

```javascript
Thenables
```

Function( )

```javascript
Function( )
```

Capture cases where $(document).ready() is called

```javascript
Capture cases where $(document).ready() is called
```

After the browser event has already occurred.

```javascript
After the browser event has already occurred.
```

Support: IE <=9 - 10 only

```javascript
Support: IE <=9 - 10 only
```

Older IE sometimes signals "interactive" too soon

```javascript
Older IE sometimes signals "interactive" too soon
```

If it's a function

```javascript
If it's a function
```

Function( elements, fn, key, value, chainable, emptyGet, raw )

```javascript
Function( elements, fn, key, value, chainable, emptyGet, raw )
```

When it's a function

```javascript
When it's a function
```

Set to true

```javascript
Set to true
```

If DOM ready

```javascript
If DOM ready
```

When DOM ready

```javascript
When DOM ready
```

Function( )

```javascript
Function( )
```

DOM element

```javascript
DOM element
```

While

```javascript
While
```

Function( wait )

```javascript
Function( wait )
```

Abort if there are pending holds or we're already ready

```javascript
Abort if there are pending holds or we're already ready
```

Wait === true

```javascript
Wait === true
```

jQuery.readyState

```javascript
jQuery.readyState
```

jQuery.isReady

```javascript
jQuery.isReady
```

jQuery.readyState

```javascript
jQuery.readyState
```

jQuery.isReady

```javascript
jQuery.isReady
```

jQuery.readyState

```javascript
jQuery.readyState
```

When DOM ready

```javascript
When DOM ready
```

Return

```javascript
Return
```

Execute

```javascript
Execute
```

Event modifier

```javascript
Event modifier
```

Completed

```javascript
Completed
```

RemoveEventListener

```javascript
RemoveEventListener
```

DOMContentLoaded

```javascript
DOMContentLoaded
```

AddEventListener

```javascript
AddEventListener
```

Window

```javascript
Window
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Onload

```javascript
Onload
```

Window.onload

```javascript
Window.onload
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Window.onload

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Window.onload
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Window

```javascript
Window
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Document

```javascript
Document
```

Document ready

```javascript
Document ready
```

Ready

```javascript
Ready
```

delegate selector

```javascript
Delegate selector
```

Multi functional method to get and set values of a collection

```javascript
Multi functional method to get and set values of a collection
```

The value/s can optionally be executed if it's a function

```javascript
The value/s can optionally be executed if it's a function
```

Function

```javascript
Function
```

Elements

```javascript
Elements
```

Fn

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Fn
```

Value

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Value
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Key

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No value

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No value
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Key of

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Object

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Undefined

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Open Source Used In APIC-SE-BATMAN v2.0.1

19624

branch

//

2. Improve the module's maintainability by reducing the storage paths to a single

Data();


Implementation

//

//

Implementation Summary

Enforce API surface and semantic compatibility with 1.9.x branch.

1.9
function getData( data ) {
    if ( typeof data === "string" ) {
        try {
            data = getData( data );
        } catch ( e ) {}
    }
    if ( rbrace.test( data ) ) {
        return JSON.parse( data );
    }
    if ( data === "null" ) {
        return null;
    }
    if ( data === "true" ) {
        return true;
    }
    if ( data === "false" ) {
        return false;
    }
    if ( data === "null!" ) {
        return null;
    }
    if ( typeof data === "undefined" ) {
        return undefined;
    }
    return data;
}

function dataAttr( elem, name, data ) {
    if ( elem.nodeType === 1 && !dataUser.get( elem ) ) {
        dataUser.set( elem, name, data );
    } else {
        data = dataAttr( elem, name, data );
    }
}
Open Source Used In APIC-SE-BATMAN v2.0.1  19626
The code snippet appears to be a JavaScript function related to handling HTML elements, possibly for a web application or framework. It includes conditional statements for setting display properties of HTML elements, as well as other web development-related functions.
Open Source Used In APIC-SE-BATMAN v2.0.1

```
{ /*
	eventHandle = elemData.handle = function( e ) {

				// Discard the second event of a
		
events = elemData.events = {};
		}
		if ( !( eventHandle = elemData.handle ) ) {

			jQuery.guid++;
		}

		// Init the element's event structure and main handler, if this is the first
		if ( !( events

				// Ensure that the handler has a unique ID, used to find/remove it later
			if ( !handler.guid) {
				handler.guid = jQuery.guid++;

			// Evaluate against documentElement in case elem is a non-element node (e.g.,
			// ( types, data, fn )
			fn = data;
			data = selector = undefined;
		}

		for ( i = 0; i < typeInTypes.length; i++ ) {

			// ( types-Object, data )
			data = data || selector;
			selector = undefined;
		}

		// Remove wrapper from

				// Remember the top-level container
			temp = fragment.firstChild;

				// Ensure the created
tmp = fragment.firstChild;

				// Remember the top-level container
			temp = fragment.firstChild;

				// Append to fragment
			tmp = getAll( fragment.appendChild( elem ), "script" );

				// Preserve script evaluation history
			( contains ) { jQuery.setGlobalEval( tmp ); jQuery.inArray( element.
			 Capture executables
			( scripts ) { jQuery.tj = 0;
			while ( ( elem = tmp[j++] ) ) { jQuery( /*
				// ( types, data )
				data = data || selector;
				selector = undefined;
			}

				// Remove wrapper from

				// Ensure the created
tmp = fragment.firstChild;

				// Append to fragment
			tmp = getAll( fragment.appendChild( elem ), "script" );

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				// ( types, data )
				data = data || selector;
				selector = undefined;
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				// Remove wrapper from

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				// ( types, data )
				data = data || selector;
				selector = undefined;
			}

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			( contains ) { jQuery.setGlobalEval( tmp ); jQuery.inArray( element.
			 Capture executables
			( scripts ) { jQuery.tj = 0;
			while ( ( elem = tmp[j++] ) ) { jQuery( /*
				// ( types, data )
				data = data || selector;
				selector = undefined;
			}

				// Remove wrapper from

				// Ensure the created
tmp = fragment.firstChild;

				// Append to fragment
			tmp = getAll( fragment.appendChild( elem ), "script" );

				// Preserve script evaluation history
			( contains ) { jQuery.setGlobalEval( tmp ); jQuery.inArray( element.
			 Capture executables
			( scripts ) { jQuery.tj = 0;
			while ( ( elem = tmp[j++] ) ) { jQuery( /*
```

jQuery.event.trigger() and \n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\nThe event will be triggered on the specified elements. If the event occurs, the jQuery event handler functions stored in the event object will be called. Each event handler will be passed the event object as the first parameter and any additional parameters passed to the event as the second parameter. The event object will contain properties such as the type of the event, the target element of the event, and any other relevant properties. The event handler functions can modify the event object, cancel the event, or prevent it from propagating to other elements. This allows for fine-grained control over how events are handled in the DOM. To stop the event from propagating, the `event.preventDefault()` method can be called. This prevents the event from bubbling up the DOM tree and allows the event to be handled by the closest ancestor with a registered event handler function.
than the (read-only) native event

```
for ( i = 1; i < arguments.length; i++ ) { arguments[ i ] = arguments[ i ]; }
```

```
for ( i = 1; i < arguments.length; i++ ) {
    arguments[ i ] = arguments[ i ];
}
```

```
event.delegateTarget = this;
```

```
// Call the preDispatch hook for the mapped type, and
let it bail if desired
if ( special.preDispatch && special.preDispatch.call( this, event ) === false ) {
    return;
}
```

```
// Determine handlers
		handlers = jQuery.event.handlers.call( this, event, handlers );
```

```
		handlerQueue = jQuery.event.handlers.call( this, event, handlers );
```

```
		// Call the postDispatch hook for the mapped type
		if ( special.postDispatch ) {
		    special.postDispatch.call( this, event );
		}

```
		// Call the preDispatch hook for the mapped type, and
let it bail if desired
if ( special.preDispatch && special.preDispatch.call( this, event ) === false ) {
    return;
}
```

```
// Call the postDispatch hook for the mapped type
// Find delegate handlers
for ( ; cur !== this; cur = cur.parentNode || this ) {
    // Don't conflict with Object.prototype
    // properties (#13203)
    sel = handleObj.selector + " ";
    if ( matchedSelectors[ sel ] === undefined ) {
        matchedSelectors[ sel ] = handleObj.needsContext ? jQuery( sel, this ).index( cur ) > -1 : jQuery.find( sel, this, null, [ cur ] ).length;
    }
}
```

```
function( name, hook ) {
    Object.defineProperty( jQuery.Event.prototype, name, {
        enumerable: true,
        configurable: true,
        get: isFunction( hook ) ? function() {
            if ( this.originalEvent ) {
                return hook( this.originalEvent );
            }
        } : function() {
            if ( this.originalEvent ) {
                return this.originalEvent[ name ];
            }
        },
        set: function( value ) {
            this[ name ] = value;
        }
    } );
}
```

```
function( originalEvent ) {
    return originalEvent; 
}
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```
this.type === "checkbox" & this.click & node( this, "input" ) } return(false); function( event ) return(node( this, "input" ) ) return(event); for cross-browser consistency, don't fire native click() on links in default: function( event ) return(node( this, "input" ) ) return( beforeunload: function( event ) return(node( this, "input" ) ) return(event); for cross-browser consistency, don't fire native .click() on links

					this.click();

					return
false;

				},

			},

			// For cross-browser consistency, don't fire native .click() on links

			\_default:

		
target = ( src.target && src.target.nodeType === 3 ) ?
src.target.parentNode :
src.target;

currentTarget = src.currentTarget;
relatedTarget = src.relatedTarget;

targetTouches = true;


touches = true;

\"which\": function( event ) return( event.which || event.button )
return(false);

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event.which || event.button );

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event.which || event.button );

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event WHICH || event.button );

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event WHICH || event.button );

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event WHICH || event.button );

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event WHICH || event.button );

\#target Kết thúc: true, \#keyCode: true, \#detail: true, \#typePhase: true, \#metaKey: true, \#targetX: true, \#targetY: true, \#bubbles: true, \#cancelable: true, \#changedTouches: true, \#touchKey: true, \#click: true, \#button: true, \#clientX: true, \#clientY: true, \#offsetX: true, \#offsetY: true, \#pointerId: true, \#pointerType: true, \#screenX: true, \#screenY: true, \#targetTouches: true, \#touch: true, \#touch: true, \#which: function( event ) return( event WHICH || event.button );
event.handleObj; // For mouseenter/leave call the handler if related is outside the target.

// No relatedTarget if the mouse left/entered the browser window


			// For mouseenter/leave call the handler if related is outside the target.
			// NB: No relatedTarget if the mouse left/entered the browser window
			if ( !related || ( related !== target && !jQuery.contains( target, related ) ) ) {
			
				// ( event ) dispatched jQuery.Event
				handleObj = event.handleObj;
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
type = handleObj.origType;

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								


Android 4.0 - 4.3 only, Firefox <=3 - 44

reliableMarginLeftVal = roundPixelMeasures( divStyle.marginLeft )

=== 12;

// Support: Android 4.0 - 4.3 only, Safari <=9.1 - 10.1, iOS <=7.0 - 9.3
// Some styles come back with percentage values, even though they shouldn't.
div.setStyle.right = "60%";

// Support: IE 9 - 11 only
// Detect misreporting of content dimensions for box-sizing:border-box elements
boxSizingReliableVal = roundPixelMeasures( divStyle.width )

=== 36;

// Support: IE 9 only
// Detect overflow:scroll swinerness (gh-3699)
div.style.position = "absolute";

scrollBoxSizeVal = div.offsetWidth === 36;

// Support: IE 9 - 11 only
// Style of cloned element affects source element cloned (#8908)
div.style.backgroundClip = "content-box";

pixelBoxStylesVal = div.style.marginLeft;

// Support: IE 9 only
// Detect misreporting of content dimensions for box-sizing:border-box elements
boxSizingReliableVal = div.offsetWidth === 36;

// Support: IE 9 only
// Detect overflow:scroll screwiness (gh-3699)
div.style.position = "absolute";

scrollboxSizeVal = div.offsetWidth === 36 || "absolute";

// Nullify the div so it wouldn't be stored in the memory and it will also be a sign that checks
// already performed.
div = null;

documentElement.removeChild( container );

function roundPixelMeasures( measure ) {
    return Math.round( parseFloat( measure ) );
}

var pixelPositionVal, boxSizingReliableVal, scrollboxSizeVal,
    pixelBoxStylesVal, reliableMarginLeftVal, tcontainer = document.createElement("div"),
    div = document.createElement( "div" );

// Finish early in limited (non-browser) environments
if ( !div.style ) {
    return;
}

// Support: IE <=9 - 11 only
// IE returns zIndex value as an integer.

curCSS( elem, name, computed ) {

next

// Swappable if display is none or starts with table
// except "table", "table-cell", or "table-caption"
// See here for display values: https://developer.mozilla.org/en-US/docs/CSS/display

// Return a css property mapped to a potentially vendor prefixed property

// Return a property
mapped along what jQuery.cssProps suggests or to\n// a vendor prefixed property.

function finalPropName( name )
{
	var ret = jQuery.cssProps[ name ];
	if ( ret ) {
		return ret;
	}
	return jQuery.cssProps[ name ];
}

function setPositiveNumber( elem, value, subtract )
{
	var matches = rcssNum.exec( value );
	return matches

		? Math.max( 0, Math.ceil( matches[ 2 ] - ( subtract || 0 ) ) ) : ( matches[ 3 ] || "px" );
}

function boxModelAdjustment( elem, dimension, box, isBorderBox, styles, computedVal )
{
	var i = dimension === "width" ? 1 : 0,
		notexta = 0,
		notedelta = 0;

	if ( !isBorderBox ) {

		// Adjust for the element's box model
		if ( box === "margin" )

			// Account for positive content-box scroll gutter when requested by providing
			computedVal
			( isBorderBox & & computedVal > 0 ) ) {

			// offsetWidth/offsetHeight is a rounded sum of
			// content, padding, scroll gutter, and border
			Assuming integer scroll gutter, subtract the rest and round
	
down
	
delta += Math.max( 0, Math.ceil( elem[ "offset" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ] ) - elem[ "computed" + dimension[ 0 ] ] + dimension[ 0 ] ) ;

		// normalize size
		if ( support.boxSizingReliable() ) {

			// Check for style in case a browser which returns unreliable values
			// for getComputedStyle silently falls back to the reliable elem.style
			valueIsBorderBox = true;

			// Normalize "\n" and auto\n			val = parseFloat( val ) || 0;

			// Adjust for the element's box model
			( val + elem[ "offset" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ] ) - elem[ "computed" + dimension[ 0 ] ] + dimension[ 0 ];
		}
	}
}

jQuery.extend( {

	cssHooks: {
		opacity: {
		get:

			function( elem, computed ) {

				if ( computed ) {

					// We should always get a number back from
					// opacity\n					\n					ret = curCSS( elem, "opacity" );

					// Add in style property hooks for
					// overriding the default\n					// behavior of getting and setting a style property\n					// for misreported inline dimensions (gh-3602)\n
					( val === \"auto\" ) {

					\n					val = elem[ "offset" + dimension[ 0 ] ] + dimension[ 0 ];
					}\n
					\n					val = parseFloat( val ) & & jQuery.css( elem, "display", false, styles ) === "inline";
				}
			}
	},

	cssNumber: {
		"animationIterationCount": true,
		"columnCount": true,
		"fillOpacity": true,
		"fontWeight": true,
		"lineHeight": true,
		"opacity": true,
		"order": true,
		"orphans": true,
		"widows": true,
		"zIndex": true
	},

	Add in properties whose names you wish to fix before\n	// setting or getting the
value\n\tcssProps: {},\n\n\t// Get and set the style property on a DOM Node\n\tstyle: function( elem, name, value,
extra ) {\n\n\t\t// Don't set styles on text and comment nodes\n\t\tif ( !elem || elem.nodeType === 3 || elem.nodeType
=== 8 || !elem.style ) {\n\t\t\treturn;\n\t\t}\n\n\t\t// Make sure that we're working with the right name\n\t\tvar ret,
type, hooks,\n\t\t\torigName = camelCase( name ),\n\t\t\tisCustomProp = rcustomProp.test( name ),\n\t\t\tstyle =
elem.style;\n\n\t\t// Make sure that we're working with the right name. We don't\n\t\t// want to query the value if it is
a CSS custom property\n\t\t// since they are user-defined.\n\t\tif ( !isCustomProp ) {\n\t\t\tname = finalPropName(
origName );\n\t\t}\n\n\t\t// Gets hook for the prefixed version, then unprefixed version\n\t\thooks =
jQuery.cssHooks[ name ] || jQuery.cssHooks[ origName ];\n\n\t\t// Check if we're setting a value\n\t\tif ( value !==
undefined ) {\n\t\t\ttype = typeof value;\n\n\t\t\t// Convert \"+=\" or \"-=\" to relative numbers (#7345)\n\t\t\tif ( type
=== \"string\" && ( ret = rcssNum.exec( value ) ) && ret[ 1 ] ) {\n\t\t\t\tvalue = adjustCSS( elem, name, ret
);\n\n\t\t\t\t// Fixes bug #9237\n\t\t\t\ttype = \"number\";\n\t\t\t}\n\n\t\t\t// Make sure that null and NaN values aren't
set (#7116)\n\t\t\tif ( value == null || value !== value ) {\n\t\t\t\treturn;\n\t\t\t}\n\n\t\t\t// If a number was passed in,
add the unit (except for certain CSS properties)\n\t\t\tif ( type === \"number\" ) {\n\t\t\t\tvalue += ret && ret[ 3 ] || (
jQuery.cssNumber[ origName ] ? \"\" : \"px\" );\n\t\t\t}\n\n\t\t\t// background-* props affect original clone's
values\n\t\t\tif ( !support.clearCloneStyle && value === \"\" && name.indexOf( \"background\" ) === 0 )
{\n\t\t\t\tstyle[ name ] = \"inherit\";\n\t\t\t}\n\n\t\t\t// If a hook was provided, use that value, otherwise just set the
specified value\n\t\t\tif ( !hooks || !( \"set\" in hooks ) ||\n\t\t\t\t( value = hooks.set( elem, value, extra ) ) !==
undefined ) {\n\n\t\t\t\tif ( isCustomProp ) {\n\t\t\t\t\tstyle.setProperty( name, value );\n\t\t\t\t} else {\n\t\t\t\t\tstyle[
name ] = value;\n\t\t\t\t}\n\t\t\t}\n\n\t\t} else {\n\n\t\t\t// If a hook was provided get the non-computed value from
there\n\t\t\tif ( hooks && \"get\" in hooks &&\n\t\t\t\t( ret = hooks.get( elem, false, extra ) ) !== undefined )
{\n\n\t\t\t\treturn ret;\n\t\t\t}\n\n\t\t\t// Otherwise just get the value from the style object\n\t\t\treturn style[ name
];\n\t\t}\n\t},\n\n\tcss: function( elem, name, extra, styles ) {\n\t\tvar val, num, hooks,\n\t\t\torigName = camelCase(
name ),\n\t\t\tisCustomProp = rcustomProp.test( name );\n\n\t\t// Make sure that we're working with the right name.
We don't\n\t\t// want to modify the value if it is a CSS custom property\n\t\t// since they are user-defined.\n\t\tif (
!isCustomProp ) {\n\t\t\tname = finalPropName( origName );\n\t\t}\n\n\t\t// Try prefixed name followed by the
unprefixed name\n\t\thooks = jQuery.cssHooks[ name ] || jQuery.cssHooks[ origName ];\n\n\t\t// If a hook was
provided get the computed value from there\n\t\tif ( hooks && \"get\" in hooks ) {\n\t\t\tval = hooks.get( elem, true,
extra );\n\t\t}\n\n\t\t// Otherwise, if a way to get the computed value exists, use that\n\t\tif ( val === undefined )
{\n\t\t\tval = curCSS( elem, name, styles );\n\t\t}\n\n\t\t// Convert \"normal\" to computed value\n\t\tif ( val ===
\"normal\" && name in cssNormalTransform ) {\n\t\t\tval = cssNormalTransform[ name ];\n\t\t}\n\n\t\t// Make
numeric if forced or a qualifier was provided and val looks numeric\n\t\tif ( extra === \"\" || extra ) {\n\t\t\tnum =
parseFloat( val );\n\t\t\treturn extra === true || isFinite( num ) ? num || 0 : val;\n\t\t}\n\n\t\treturn val;\n\t}\n}
);\n\njQuery.each( [ \"height\", \"width\" ], function( i, dimension ) {\n\tjQuery.cssHooks[ dimension ] = {\n\t\tget:
function( elem, computed, extra ) {\n\t\t\tif ( computed ) {\n\n\t\t\t\t// Certain elements can have dimension info if
we invisibly show them\n\t\t\t\t// but it must have a current display style that would benefit\n\t\t\t\treturn
rdisplayswap.test( jQuery.css( elem, \"display\" ) ) &&\n\n\t\t\t\t\t// Support: Safari 8+\n\t\t\t\t\t// Table columns in
Safari have non-zero offsetWidth & zero\n\t\t\t\t\t// getBoundingClientRect().width unless display is
changed.\n\t\t\t\t\t// Support: IE <=11 only\n\t\t\t\t\t// Running getBoundingClientRect on a disconnected
node\n\t\t\t\t\t// in IE throws an error.\n\t\t\t\t\t( !elem.getClientRects().length ||
!elem.getBoundingClientRect().width ) ?\n\t\t\t\t\t\tswap( elem, cssShow, function() {\n\t\t\t\t\t\t\treturn
getWidthOrHeight( elem, dimension, extra );\n\t\t\t\t\t\t} ) :\n\t\t\t\t\t\tgetWidthOrHeight( elem, dimension, extra
);\n\t\t\t}\n\t\t},\n\n\t\tset: function( elem, value, extra ) {\n\t\t\tvar matches,\n\t\t\t\tstyles = getStyles( elem
),\n\t\t\t\tisBorderBox = jQuery.css( elem, \"boxSizing\", false, styles ) === \"border-box\",\n\t\t\t\tsubtract = extra
&&
boxModelAdjustment(\n\t\t\t\t\telem,\n\t\t\t\t\tdimension,\n\t\t\t\t\textra,\n\t\t\t\t\tisBorderBox,\n\t\t\t\t\tstyles\n\t\t\t\t)
;\n\n\t\t\t// Account for unreliable border-box dimensions by comparing offset* to computed and\n\t\t\t// faking a
content-box to get border and padding (gh-3699)\n\t\t\tif ( isBorderBox && support.scrollboxSize() ===
styles.position ) {\n\t\t\t\tsubtract -= Math.ceil(\n\t\t\t\t\telem[ \"offset\" + dimension[ 0 ].toUpperCase() +

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function( p ) {
		return 0.5 - Math.cos( p * Math.PI ) / 2;
	},
	_default: "swing"
};

jQuery.fx = Tween.prototype.init;

// Back compat <1.8 extension point
jQuery.fx.step = function( fn ) {
		return fn;
}

// Back compat <1.8 extension point
jQuery.fx.interval = 16.666666666666668;

// Back compat <1.8 extension point
jQuery.fx.tick = function() {
		jQuery.tween = jQuery.fx.ticks();
}

// Back compat <1.8 extension point
jQuery.fx.cleanup = function() {
		jQuery.fn.fadeOut = jQuery.fn.fadeIn = function( option ) {
			jQuery.fx.fadeInOut( option, this );
	}

// Back compat <1.8 extension point
jQuery.fn.extend( { tween: function() { return jQuery.fx.apply( null, arguments ); } } );

// Back compat <1.8 extension point
jQuery.fx.timer = function() {
		jQuery.fx.start = 0;
		jQuery.fx.now = jQuery.fx.timer.now();
	}

// Back compat <1.8 extension point
jQuery.fx.timer.now = Date.now;
function( prop in orig ) { return orig[ prop ]; }

for ( prop in orig ) {
    name = camelCase( prop );
    if ( hooks ) {
        hooks[ name ] = specialEasing[ name ];
    }
}

for ( prop in orig ) {
    value = orig[ prop ];
    if ( Array.isArray( value ) ) {
        specialEasing[ prop ] = value;
    } else {
        specialEasing[ prop ] = value;
    }
}

for ( prop in orig ) {
    if ( index !== name ) {
        props[ index ] = value;
    }
}

if ( index !== name ) {
    props[ name ] = value;
}

for ( prop in orig ) {
    if ( props[ prop ] ) {
        props[ prop ] = orig[ prop ];
    }
}

animation = deferred.promise( {
    elem: elem,
    props: jQuery.extend( true, {
        specialEasing: {},
        easing: jQuery.easing._default
    }, options
} );

animation.startTime = fxNow || createFxNow(),
animation.duration = Math.max( 0, animation.startTime + animation.duration - currentTime ),
animation.isStep = false;

if ( animation.duration <= 0 ) {
    if ( animation.tween ) {
        jQuery.now = fxNow;
        animation.tween.call( this, 0 );
    } else {
        if ( animation.selector ) {
            jQuery( animation.selector, elem ).each( function( i ) {
                jQuery( this ).dataPriv.remove( elem, "fxshow" );
            } );
        }
        return false;
    }
}

var optDuration = options.duration;
if ( optDuration && jQuery.isNumeric( optDuration ) ) {
    animation.duration = optDuration;
}

if ( animation.tween ) {
    if ( animation.tween.type === 'normal' ) {
        animation.tween = jQuery.Tween( elem, options, props, options );
    }
}

animation.options.call( elem, options, props, options );

animation.start = ( options.start || jQuery.fx.start || jQuery.fx.defaultStart || jQuery.fx.propTween ) || function( prev ) {
    this.prev = prev;
    jQuery.fx.init( this, options, props );
}

if ( animation.startTime ) {
    _tween = jQuery.Tween( elem, options, props, options );
    _tween.start = ( options.start || jQuery.fx.start || jQuery.fx.defaultStart || jQuery.fx.propTween ) || function( prev ) {
        this.prev = prev;
        jQuery.fx.init( this, options, props );
    };
}

if ( elem === this || elem.nodeType === 11 ) {
    _tweens = jQuery.Tween.prototype._createTweens( elem, options, props, options );
}

for ( prop in orig ) {
    if ( props[ prop ] ) {
        props[ prop ] = orig[ prop ];
    }
}

for ( prop in orig ) {
    if ( index !== name ) {
        props[ index ] = value;
    }
}

for ( prop in orig ) {
    if ( props[ prop ] ) {
        props[ prop ] = orig[ prop ];
    }
}

animation = deferred.promise( {
    elem: elem,
    props: jQuery.extend( true, {
        specialEasing: {},
        easing: jQuery.easing._default
    }, options
} );

animation.startTime = fxNow || createFxNow(),
animation.duration = Math.max( 0, animation.startTime + animation.duration - currentTime ),
animation.isStep = false;

if ( animation.duration <= 0 ) {
    if ( animation.tween ) {
        jQuery.now = fxNow;
        animation.tween.call( this, 0 );
    } else {
        if ( animation.selector ) {
            jQuery( animation.selector, elem ).each( function( i ) {
                jQuery( this ).dataPriv.remove( elem, "fxshow" );
            } );
        }
        return false;
    }
}

var optDuration = options.duration;
if ( optDuration && jQuery.isNumeric( optDuration ) ) {
    animation.duration = optDuration;
}

if ( animation.tween ) {
    if ( animation.tween.type === 'normal' ) {
        animation.tween = jQuery.Tween( elem, options, props, options );
    }
}

animation.options.call( elem, options, props, options );

animation.start = ( options.start || jQuery.fx.start || jQuery.fx.defaultStart || jQuery.fx.propTween ) || function( prev ) {
    this.prev = prev;
    jQuery.fx.init( this, options, props );
}

if ( animation.startTime ) {
    _tween = jQuery.Tween( elem, options, props, options );
    _tween.start = ( options.start || jQuery.fx.start || jQuery.fx.defaultStart || jQuery.fx.propTween ) || function( prev ) {
        this.prev = prev;
        jQuery.fx.init( this, options, props );
    };
}

if ( elem === this || elem.nodeType === 11 ) {
    _tweens = jQuery.Tween.prototype._createTweens( elem, options, props, options );
}

for ( prop in orig ) {
    if ( props[ prop ] ) {
        props[ prop ] = orig[ prop ];
    }
}

for ( prop in orig ) {
    if ( index !== name ) {
        props[ index ] = value;
    }
}

for ( prop in orig ) {
    if ( props[ prop ] ) {
        props[ prop ] = orig[ prop ];
    }
}

animation = deferred.promise( {
    elem: elem,
    props: jQuery.extend( true, {
        specialEasing: {},
        easing: jQuery.easing._default
    }, options
} );

animation.startTime = fxNow || createFxNow(),
animation.duration = Math.max( 0, animation.startTime + animation.duration - currentTime ),
animation.isStep = false;

if ( animation.duration <= 0 ) {
    if ( animation.tween ) {
        jQuery.now = fxNow;
        animation.tween.call( this, 0 );
    } else {
        if ( animation.selector ) {
            jQuery( animation.selector, elem ).each( function( i ) {
                jQuery( this ).dataPriv.remove( elem, "fxshow" );
            } );
        }
        return false;
    }
}

var optDuration = options.duration;
if ( optDuration && jQuery.isNumeric( optDuration ) ) {
    animation.duration = optDuration;
}

if ( animation.tween ) {
    if ( animation.tween.type === 'normal' ) {
        animation.tween = jQuery.Tween( elem, options, props, options );
    }
}

animation.options.call( elem, options, props, options );

animation.start = ( options.start || jQuery.fx.start || jQuery.fx.defaultStart || jQuery.fx.propTween ) || function( prev ) {
    this.prev = prev;
    jQuery.fx.init( this, options, props );
}

if ( animation.startTime ) {
    _tween = jQuery.Tween( elem, options, props, options );
    _tween.start = ( options.start || jQuery.fx.start || jQuery.fx.defaultStart || jQuery.fx.propTween ) || function( prev ) {
        this.prev = prev;
        jQuery.fx.init( this, options, props );
    };
}

if ( elem === this || elem.nodeType === 11 ) {
    _tweens = jQuery.Tween.prototype._createTweens( elem, options, props, options );
}
this }, queue = data[ type + "queue" ],

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																...
ret;\n\t\t}\n\n\t\tret = jQuery.find.attr( elem, name );\n\n\t\t// Non-existent attributes return null, we normalize to
undefined\n\t\treturn ret == null ? undefined : ret;\n\t},\n\n\tattrHooks: {\n\t\ttype: {\n\t\t\tset: function( elem, value )
{\n\t\t\t\tif ( !support.radioValue && value === \"radio\" &&\n\t\t\t\t\tnodeName( elem, \"input\" ) ) {\n\t\t\t\t\tvar
val = elem.value;\n\t\t\t\t\telem.setAttribute( \"type\", value );\n\t\t\t\t\tif ( val ) {\n\t\t\t\t\t\telem.value =
val;\n\t\t\t\t\t}\n\t\t\t\t\treturn value;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t},\n\n\tremoveAttr: function( elem, value ) {\n\t\tvar
name,\n\t\t\ti = 0,\n\n\t\t\t// Attribute names can contain non-HTML whitespace characters\n\t\t\t//
https://html.spec.whatwg.org/multipage/syntax.html#attributes-2\n\t\t\tattrNames = value && value.match(
rnothtmlwhite );\n\n\t\tif ( attrNames && elem.nodeType === 1 ) {\n\t\t\twhile ( ( name = attrNames[ i++ ] ) )
{\n\t\t\t\telem.removeAttribute( name );\n\t\t\t}\n\t\t}\n\t}\n} );\n\n// Hooks for boolean attributes\nboolHook =
{\n\tset: function( elem, value, name ) {\n\t\tif ( value === false ) {\n\n\t\t\t// Remove boolean attributes when set to
false\n\t\t\tjQuery.removeAttr( elem, name );\n\t\t} else {\n\t\t\telem.setAttribute( name, name );\n\t\t}\n\t\treturn
name;\n\t}\n};\n\njQuery.each( jQuery.expr.match.bool.source.match( /\\w+/g ), function( i, name ) {\n\tvar getter =
attrHandle[ name ] || jQuery.find.attr;\n\n\tattrHandle[ name ] = function( elem, name, isXML ) {\n\t\tvar ret,
handle,\n\t\t\tlowercaseName = name.toLowerCase();\n\n\t\tif ( !isXML ) {\n\n\t\t\t// Avoid an infinite loop by
temporarily removing this function from the getter\n\t\t\thandle = attrHandle[ lowercaseName ];\n\t\t\tattrHandle[
lowercaseName ] = ret;\n\t\t\tret = getter( elem, name, isXML ) != null ?\n\t\t\t\tlowercaseName
:\n\t\t\t\tnull;\n\t\t\tattrHandle[ lowercaseName ] = handle;\n\t\t}\n\t\treturn ret;\n\t};\n} );\n\n\n\n\nvar rfocusable =
/^(?:input|select|textarea|button)$/i,\n\trclickable = /^(?:a|area)$/i;\n\njQuery.fn.extend( {\n\tprop: function( name,
value ) {\n\t\treturn access( this, jQuery.prop, name, value, arguments.length > 1 );\n\t},\n\n\tremoveProp: function(
name ) {\n\t\treturn this.each( function() {\n\t\t\tdelete this[ jQuery.propFix[ name ] || name ];\n\t\t} );\n\t}\n}
);\n\njQuery.extend( {\n\tprop: function( elem, name, value ) {\n\t\tvar ret, hooks,\n\t\t\tnType =
elem.nodeType;\n\n\t\t// Don't get/set properties on text, comment and attribute nodes\n\t\tif ( nType === 3 || nType
=== 8 || nType === 2 ) {\n\t\t\treturn;\n\t\t}\n\n\t\tif ( nType !== 1 || !jQuery.isXMLDoc( elem ) ) {\n\n\t\t\t// Fix
name and attach hooks\n\t\t\tname = jQuery.propFix[ name ] || name;\n\t\t\thooks = jQuery.propHooks[ name
];\n\t\t}\n\n\t\tif ( value !== undefined ) {\n\t\t\tif ( hooks && \"set\" in hooks &&\n\t\t\t\t( ret = hooks.set( elem,
value, name ) ) !== undefined ) {\n\t\t\t\treturn ret;\n\t\t\t}\n\n\t\t\treturn ( elem[ name ] = value );\n\t\t}\n\n\t\tif (
hooks && \"get\" in hooks && ( ret = hooks.get( elem, name ) ) !== null ) {\n\t\t\treturn ret;\n\t\t}\n\n\t\treturn
elem[ name ];\n\t},\n\n\tpropHooks: {\n\t\ttabIndex: {\n\t\t\tget: function( elem ) {\n\n\t\t\t\t// Support: IE <=9 - 11
only\n\t\t\t\t// elem.tabIndex doesn't always return the\n\t\t\t\t// correct value when it hasn't been explicitly
set\n\t\t\t\t// https://web.archive.org/web/20141116233347/http://fluidproject.org/blog/2008/01/09/getting-settingand-removing-tabindex-values-with-javascript/\n\t\t\t\t// Use proper attribute retrieval(#12072)\n\t\t\t\tvar tabindex =
jQuery.find.attr( elem, \"tabindex\" );\n\n\t\t\t\tif ( tabindex ) {\n\t\t\t\t\treturn parseInt( tabindex, 10
);\n\t\t\t\t}\n\n\t\t\t\tif (\n\t\t\t\t\trfocusable.test( elem.nodeName ) ||\n\t\t\t\t\trclickable.test( elem.nodeName )
&&\n\t\t\t\t\telem.href\n\t\t\t\t) {\n\t\t\t\t\treturn 0;\n\t\t\t\t}\n\n\t\t\t\treturn -1;\n\t\t\t}\n\t\t}\n\t},\n\n\tpropFix:
{\n\t\t\"for\": \"htmlFor\",\n\t\t\"class\": \"className\"\n\t}\n} );\n\n// Support: IE <=11 only\n// Accessing the
selectedIndex property\n// forces the browser to respect setting selected\n// on the option\n// The getter ensures a
default option is selected\n// when in an optgroup\n// eslint rule \"no-unused-expressions\" is disabled for this
code\n// since it considers such accessions noop\nif ( !support.optSelected ) {\n\tjQuery.propHooks.selected =
{\n\t\tget: function( elem ) {\n\n\t\t\t/* eslint no-unused-expressions: \"off\" */\n\n\t\t\tvar parent =
elem.parentNode;\n\t\t\tif ( parent && parent.parentNode )
{\n\t\t\t\tparent.parentNode.selectedIndex;\n\t\t\t}\n\t\t\treturn null;\n\t\t},\n\t\tset: function( elem ) {\n\n\t\t\t/* eslint
no-unused-expressions: \"off\" */\n\n\t\t\tvar parent = elem.parentNode;\n\t\t\tif ( parent )
{\n\t\t\t\tparent.selectedIndex;\n\n\t\t\t\tif ( parent.parentNode )
{\n\t\t\t\t\tparent.parentNode.selectedIndex;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t};\n}\n\njQuery.each(
[\n\t\"tabIndex\",\n\t\"readOnly\",\n\t\"maxLength\",\n\t\"cellSpacing\",\n\t\"cellPadding\",\n\t\"rowSpan\",\n\t\"colS
pan\",\n\t\"useMap\",\n\t\"frameBorder\",\n\t\"contentEditable\"\n], function() {\n\tjQuery.propFix[
this.toLowerCase() ] = this;\n} );\n\n\n\n\n\t// Strip and collapse whitespace according to HTML spec\n\t//
https://infra.spec.whatwg.org/#strip-and-collapse-ascii-whitespace\n\tfunction stripAndCollapse( value ) {\n\t\tvar

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"(^\(\.|\\.)" + namespaces.join( "\\.(?:.*\\.|)" ) + "(\\.|$)" ) :
			null;

		// Clean up the event in case it is
		event.result = undefined;

		// Clone
		event.target = elem;

		// Fire handlers on
		// Bubble up to document, then to window; watch for a global ownerDocument var
		// Call a native DOM method on the target with the same name as the event.
		// Don't do default actions on window, that's where global variables be
		// Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787
		// Support: Chrome <=48 - 49, Safari <=9.0 - 9.1
		// Events focus-in/focus-out fire after focus & blur events, which is spec
		//  

if ( !support.focusin ) {
	jQuery.each( { focus: "focusin", blur: "focusout" }, function( orig, fix ) {

		// Used only for 'focus(in | out)' events
		// On blur we simulate: function( type, elem, event ) { (jQuery.extend( new jQuery.Event(), jQuery.event.fix( event ).cancelable = true ));
		// Piggyback on a donor event to simulate a different one
		// Firefox doesn't have focus(in | out) events
		// Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787
		// Support: Chrome <=48 - 49, Safari <=9.0 - 9.1


Raw string

```
jQuery

// Caches the header

// Override response headers

// Execute the appropriate callbacks

// Lazy-add the new callbacks

// Add or update anti-cache param if needed

// Put hash and anti-cache on the

// On successful request, reset the

// Add or update anti-cache param if needed

// Remove hash to simplify url manipulation

// Alias method option to type as per ticket

// Create deferreds

jQuery

// Add protocol if not provided

// Convert data if not already a string

// Set when s.url is relative

// Alias method option to type as per ticket

// Converts the current origin

// Attach deferreds

// Cancel the request

// Get the type;

```

Open Source Used In APIC-SE-BATMAN v2.0.1  19651

```javascript
globalEventContext.trigger( isSuccess ? "ajaxSuccess" : "ajaxError", [ jqXHR, s, isSuccess ? dependent callbacks
jqXHR.statusCode( statusCode );
statusCode = undefined;

if ( fireGlobals )
});
else {
    deferred.rejectWith( callbackContext, [ jqXHR, statusText, error ]);
}

// Status-Success/Error
if ( isSuccess ) {
    deferred.resolveWith( callbackContext, [ success, statusText, jqXHR ]
object
jqXHR.status = status;
jqXHR.statusText = ( nativeStatusText || statusText ) + "";

// "error";
					if ( status < 0 ) {
						status = 0;
					}
				}
}

// Set data for the fake xhr
normalize for non-aborts
error = statusText;
	if ( status || !statusText ) {
	    statusText = response.error;
	    isSuccess = !error;
	}
else {

    // Extract error from statusText and
	statusText = response.state;
	success = response.data;
	error =
if ( status === 304 ) {
	    statusText = "notmodified";

    // if not modified
	} else if ( status
t					jQuery.etag[ cacheURL ] = modified;
					}
					modified = jqXHR.getResponseHeader( "etag" );
					if ( modified ) {
						jQuery.lastModified[ cacheURL ] = modified;
						jQuery.lastModified( cacheURL ] )
						jQuery.etag[ cacheURL ] )
						jQuery.etag[ cacheURL ]
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						jQuery.etag[ cacheURL ]
	```
"jsonp" or we have a parameter to set:

```javascript
if ( jsonProp || s.dataTypes[0] === "jsonp" ) {
    // Get callback
    urlencoded = 0 &&
    rjsonp.test(s.data) && "data"
    );

    // Handle iff the expected data type is:
    typeof s.data === "string" &&
    ( s.contentType || "" )
    ( s.contentType || "application/x-www-form-urlencoded" ) !== 0 &&
    ( s.dataTypes[0] === "jsonp" )
```

jQuery.ajaxPrefilter( "json jsonp", function( s, originalSettings, jqXHR ) {

    var callbackName,
    oldCallbacks = [],
    rjsonp = /

    // Default jsonp settings
    jQuery.ajaxSetup( {
        jsonp: "callback",
        jsonpCallback: {
            callback();
        }
    } );

    // Install script dataType
    jQuery.ajaxSetup( {
        accepts: {
            script:
                "text/javascript, application/javascript, " +
                "application/ecmascript, application/x-
                ecmascript"
        },
        contents: {
            script: /\b(?:java|ecma)script\b/,
            json: /\b(?:json|jsonp)\b/,
            other: /
        },
        converters: {
            "text script": function( text ) {
                return jQuery.globalEval( text );
            },
            "script json": function( s ) {
                ( s.cache === undefined )
            },
            "script": function( s ) {
                ( s.cache === undefined )
            }
        }
    } );

    // Prevent auto-execution of scripts when no explicit
    dataType was provided (See gh-2432)
    jQuery.ajaxPrefilter( function( s ) {
        if ( s.crossDomain ) {
            s.contents.script = false;
            s.type = "GET";
        } else if ( s.cache !== false;
        s.crossDomain ) {
            s.send = function( _, complete ) {
                complete( typeof xhr.status !== "number" )
                ||
                typeof xhr.responseText !== "string" ?
                    ( xhr.responseType || "text" ) !== "text" ||
                    typeof xhr.responseText !== "string" ?
```

xhr: { janitor: function( xhr ) {

    // Prevent auto-execution of scripts when no explicit
    dataType was provided (See gh-2432)
    jQuery.ajaxPrefilter( function( s ) {
        if ( s.crossDomain ) {
            s.contents.script = false;
            s.type = "GET";
        } else if ( s.cache !== false;
        s.crossDomain ) {
            s.send = function( _, complete ) {
                complete( typeof xhr.status !== "number" )
                ||
                typeof xhr.responseText !== "string" ?
                    ( xhr.responseType || "text" ) !== "text" ||
                    typeof xhr.responseText !== "string" ?
```
name, remembering preexisting value associated with it

```javascript
if (sjsonp !== false) {
  s.url += (rquery.test(s.url) ? "&" : "?") + s.jsonp + "=" + callbackName;
}
```

Use data converter to retrieve json after script execution

```javascript

// Insert callback into url or form data
if (jsonProp) {
  s[jsonProp] = s[jsonProp].replace(rjsonp, "\$1" + callbackName);
} else if (sjsonp !== false) {
  s.url += (rquery.test(s.url) ? "&" : "?") + s.jsonp + "=" + callbackName;
}
```

Clean-up function (fires after converters)

```javascript

// Make sure that re-using the options doesn’t screw things around

```

// Argument "data" should be string of html
// context (optional): If specified, the fragment will be created in this context,
// defaults to document
// keepScripts (optional): If true, will include scripts passed in the html string
jQuery.parseHTML = function( data, context, keepScripts ) {
  if (typeof data !== "string") {
    return [];  
  }

  var base, parsed, scripts;

  // Single tag
  if (parsed) {
    return [context.createElement( parsed[1] )];
  }

  parsed = buildFragment( [data], context, scripts );

  if (scripts && scripts.length) {
    jQuery(scripts).remove();
  }

  return jQuery.merge( [], parsed.childNodes );
};
```
For the element inside the iframe without offsetParent, this method will return

```
$elem.offset();
```

This corresponds to the behavior of CSS absolute positioning’s `position` function:

```
position: fixed
```

and

```
position: absolute
```

on the document origin without offset. Elements are offset from the viewport, which itself always has zero offset.

```
jQuery.css( elem, \"position\" ) === \"fixed\";
```

This method will return documentElement in the following cases:

1. When a statically positioned element is identified
2. Running getBoundingClientRect on a disconnected node in IE throws an error
3. Position is either absolute or fixed
4. Position is either static or relative
5. Element is identified as a root element

When a statically positioned element is identified
```
\$\("body\"\).find(\"div\").css(\"position\",\"static\").length;
```

The method will return documentElement in the following cases:

1. The element inside the iframe without offsetParent, this method will return documentElement of the parent...
window

  2) For the hidden or detached element

  3) For body or html element, i.e. in case of the html node - it will return itself

  but those exceptions were never presented as a real life use-cases and might be considered as more preferable results.

  This logic, however, is not guaranteed and can change at any point in the future.

  offsetParent: function() {
    return this.map( function() {
      return this.offsetParent || documentElement;
    } );
  }

  // Create scrollTop and scrollLeft methods
  jQuery.each( { scrollLeft: "pageXOffset", scrollTop: "pageYOffset" }, function( method, prop ) {
    var top = "pageYOffset" === prop;

    jQuery.fn[ method ] = function( value ) {
      return access( this, function( elem, method, val ) {
        if ( isWindow( elem ) ) {
          return elem[ method ];
        }

        // Get document width or height
        if ( elem.nodeType === 9 ) {
          return elem.documentElement[ method ];
        }

        // Coalesce documents and windows
        if ( elem.nodeType === 9 ) {
          return elem.defaultView[ method ];
        }

        return value === undefined ?
          jQuery.style( elem, method, value ) :
          elem[ method ];
      }, this, method, value, arguments.length
    );
  });

  // Support: Safari <=7 - 9.1, Chrome <=37 - 49
  // Add the top/left cssHooks using jQuery.fn.position
  // Webkit bug: https://bugs.webkit.org/show_bug.cgi?id=29048
  // Blink bug: https://bugs.chromium.org/p/ chromium/issues/detail?id=589347
  // getComputedStyle returns percent when specified for top/left/right/height/width rather than make the css module depend on the offset module, just check for it here
  jQuery.cssHooks[ "top", function( elem, computed ) {
    return computed === "auto" ? elem.offsetTop : computed;
  } ];

  // Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
  jQuery.each( [ "Height", "Width", "outerHeight" + name, "outerWidth" + name ], function( index, name ) {
    jQuery.fn[ name ] = function( margin, value ) {
      return arguments.length > 0 ?
        this.each( function() {
          jQuery.style( this, name, value );
        } ) :
        this[ name ];
    }
  });

  // Bind a function to a context, optionally partially applying any arguments.
  //
  // Handle event binding
  jQuery.fn[ name ] = function( data, fn ) {
    return this.each( function() {
      Handle event binding(jQuery, fn, this, arguments); // handle event data
      //
      // Get document width or height
      if ( isWindow( this ) ) {
        this[ name ] = function() {
          return this[ name ].apply( this, arguments );
        };
      }
    } );
  }

  // Bind a function to a context, optionally partially applying any arguments.

  // Create window.open method
  jQuery.fn.open = function( options ) {
    return this.each( function() {
      if ( isWindow( this.open ) ) {
        this.open.apply( this, arguments );
      } else {
        this.location = window.location.href;
      }
    } );
  };

  // Make sure we're working with an object whatever
  function( data, fn ) {
    return this.each( function() {
      fn.apply( this, arguments );
    } );
  };

  // Create window.open method
  jQuery.fn.open = function( options ) {
    return this.each( function() {
      if ( isWindow( this.open ) ) {
        this.open.apply( this, arguments );
      } else {
        this.location = window.location.href;
      }
    } );
  };

  // Bind a function to a context, optionally partially applying any arguments.

  // Create window.open method
  jQuery.fn.open = function( options ) {
    return this.each( function() {
      if ( isWindow( this.open ) ) {
        this.open.apply( this, arguments );
      } else {
        this.location = window.location.href;
      }
    } );
  };

  // Bind a function to a context, optionally partially applying any arguments.

  // Create window.open method
  jQuery.fn.open = function( options ) {
    return this.each( function() {
      if ( isWindow( this.open ) ) {
        this.open.apply( this, arguments );
      } else {
        this.location = window.location.href;
      }
    } );
  };

  // Bind a function to a context, optionally partially applying any arguments.

  // Create window.open method
  jQuery.fn.open = function( options ) {
    return this.each( function() {
      if ( isWindow( this.open ) ) {
        this.open.apply( this, arguments );
      } else {
        this.location = window.location.href;
      }
    } );
  };

  // Bind a function to a context, optionally partially applying any arguments.
jQuery.proxy is deprecated to promote standards (specifically Function#bind)

```javascript
jQuery.proxy = function( fn ) {
  var tmp, args, proxy; proxy = function() {
    return fn.apply( context || this, arguments );
  };
  return proxy;
}

jQuery.holdReady = function( hold ) {
  if ( hold ) {
    jQuery.readyWait++;
  } else {
    jQuery.ready( true );
  }
}
```

jQuery.isArray = Array.isArray;
jQuery.parseJSON = JSON.parse;
jQuery.nodeName = nodeName;
jQuery.isFunction = isFunction;
jQuery.isWindow = isWindow;
jQuery.camelCase = camelCase;
jQuery.type = toType;

```
jQuery.now = Date.now;
```

jQuery.isNumeric = function( obj ) {
  var type = jQuery.type( obj );
  return ( type === "number" || type === "string" )
    && !isNaN( parseFloat( obj ) );
}

```
var

Map over jQuery in case of overwrite

_jQuery = window.jQuery,

$ = window.$;
```

```
jQuery.noConflict = function( deep ) {
  if ( window.$ === jQuery ) {
    window.$ = _$;
  }
  if ( deep && window.jQuery === jQuery ) {
    window.jQuery = _jQuery;
  }
  return jQuery;
};
```

```
webpackContext.id = "11b2";
```

```
var pIE = require('./_object-pie');
```

```
exports.f = require('./_descriptors') ? gOPD : function
getOwnPropertyDescriptor(O, P) {
  O = toIObject(O);
  P = toPrimitive(P, true);
  if (IE8_DOM_DEFINE) try {
    return gOPD(O, P);
  } catch (e) { /* empty */ }
  if (has(O, P)) return createDesc(!pIE.f.call(O, P),
    O[P]);
};
```

```
/**
 * Checks if `value` is suitable for use as unique object key.
 *
 * @private
 * @param {*} value The value to inspect.
 * @returns {boolean} Returns `true` if `value` is suitable, else `false`.
 */
function
isKeyable(value) {
  var type = typeof value;
  return (type == 'string' ||
    type == 'boolean')
    && value != '__proto__';
}
```

```
var

```
```

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```

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```
```
function castFunction(value) {
  return typeof value == 'function' ? value : identity;
}

module.exports = castFunction;

/**
 * Checks if `value` is object-like. A value is object-like if it's not null
 * and has a `typeof` result of 'object'.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns 'true' if 'value' is object-like, else 'false'.
 */
function isObjectLike(value) {
  return value != null && typeof value == 'object';
}

module.exports = isObjectLike;

module.exports = 'data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAJ4AAACeCAYAAADDhbN7AAAABmJLR0QAowA6AAAdO5D/AAACXBIWXMAAA8AAAC+4s9AAABmJLR0QAoAwAAADwAAMcAA/+91x4hA2i8AAAAASUVORK5CYII=

var dP = require('./_object-
```
invoke(typeof fn == 'function' ? fn : Function(fn), args);

clearTask = function clearImmediate(id) {
    delete queue[id];
};

defer(counter);
return counter;
};

clearTask = function clearImmediate(id) {
    delete queue[id];
};

// Node.js 0.8-
if (require('./_cof')(process) == 'process') {
    defer = function (id) {
        global.postMessage(id + '', '*');
    };
} else if (Dispatch && Dispatch.nextTick) {
    defer = function (id) {
        Dispatch.now(ctx(run, id, 1));
    }; // Browsers with MessageChannel, includes WebWorkers
} else if (MessageChannel) {
    channel = new MessageChannel();
    port = channel.port2;
    channel.port1.onmessage = listener;
    defer = ctx(port.postMessage, port, 1); // Browsers with postMessage, skip WebWorkers
} // IE8 has postMessage, but it's sync & typeof its postMessage is 'object'
else if (global.addEventListener && typeof postMessage == 'function' && !global.importScripts) {
    defer = function (id) {
        global.postMessage(id + '', '*');
    };
}

global.addEventListener('message', listener, false);

// IE8-
if (ONREADYSTATECHANGE in cel('script')) {
    defer = function (id) {
        html.appendChild(cel('script'))[ONREADYSTATECHANGE] = function () {
            html.removeChild(this);
            run.call(id);
        };
    } // Rest old browsers
} else {
    defer = function (id) {
        setTimeout(ctx(run, id, 1), 0);
    };
}
```

```
compareMultiple(object, other, orders) {
  var index = -1,
      objCriteria = object.criteria,
      othCriteria = other.criteria,
      length = objCriteria.length,
      ordersLength = orders.length;
  while (++index < length) {
    if (result) {
      if (index >= ordersLength) return result;
      var order = orders[index];
      return result * (order == 'desc' ? -1 : 1);
    }
  }
  return object.index - other.index;
}

module.exports = compareMultiple;

var apply = require('./_apply');

/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeMax = Math.max;

/**
 * A specialized version of `baseRest` which transforms the rest array.
 */
function overRest(func, start, transform) {
  start = nativeMax(start === undefined ? (func.length - 1) : start, 0);
  return function() {
    var args = arguments,
        index = -1,
        length = nativeMax(args.length - start, 0),
        array = Array(length);
    while (++index < length) {
      array[index] = args[start + index];
    }
    index = -1;
    var otherArgs = Array(start + 1);
    while (++index < start) {
      otherArgs[index] = args[index];
    }
    otherArgs[start] = transform(array);
    return apply(func, this, otherArgs);
  };
}

module.exports = overRest;

'use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fab';
var iconName = 'linkedin';
var width = 448;
var height = 512;
var ligatures = [];
var unicode = 'f08c';
var svgPathData = 'M416 32H31.9C14.3 32 0 46.5 0 64.3V383.4C0 465.5 14.3 480 31.9 480H416c17.6 0 32-14.5 32-32.3V64.3c0-17.8-14.4-32.3-32-32.3zM135.4 416H69V202.2h66.4V416zm-33.2-243c-21.2 0-38.5-17.2-38.5-38.5S80.9 96 102.2 96c21.2 0 38.5 17.2 38.5 38.5 0 21.3-17.2 38.5-38.5 38.5m282.1 243h-66.4V312c0-24.8-.5-56.7-34.5-56.7-34.6 0-39.9 27-39.9 79.7V416h66.4V202.2h63.7v29.2h9c8.9-16.8 30.6-34.5 62.9-34.5 67.2 0 79.7 44.3 79.7 101.9V416z';

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ]};

exports.faLinkedin = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

var isObject = require('./_is-object');
var document = require('./_global').document; // typeof document.createElement is 'object' in old IE
var is = isObject(document) && isObject(document.createElement);
module.exports = function (it) {
  return is ? document.createElement(it) : {};
};

var memoize = require('./memoize');

/**
 * A specialized version of `_.memoize` which clears the memoized
 * function's cache when it exceeds `MAX_MEMOIZE_SIZE`.
 *
 * @private
 * @param {Function} func The function to have its output memoized.
 * @returns {Function} Returns the new memoized function.
 */
function memoizeCapped(func) {
  var result = memoize(func, function(key) {
    if (cache.size === MAX_MEMOIZE_SIZE) {
      cache.clear();
    }
    return key;
  });

  var cache = result.cache;
  return result;
}

var baseFor = require('./_baseFor'),
    keys = require('./keys');

/**
 * The base implementation of `_.forOwn` without support
 * for iteratee shorthands.
 *
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Object} Returns `object`.
 */
function baseForOwn(object, iteratee) {
  return object && baseFor(object, iteratee, keys);
}

module.exports =

Open Source Used in APIC-SE-BATMAN v2.0.1 19662
Object.prototype
  var Proto = Object.prototype

module.exports = Proto;

var isFunction = require('./_isFunction'),
    isStrict = require('./_isStrict'),
    objectNS = require('./_objectNS'),
    toSource = require('./_toSource');

/**
 * Used to check for object prototypes.
 * 
 * @private
 * @param {Object} object The object to check.
 * @returns {Object} Returns the object prototype.
 */
function getProto(obj) {
  if (obj != null && has(obj, IE_PROTO)) return obj[IE_PROTO];
  if (typeof obj.constructor == 'function' && obj instanceof obj.constructor) {
    return obj.constructor.prototype;
  } else if (obj instanceof Object) {
    return ObjectProto;
  } return null;
}

module.exports = getProto;

var symToStringTag = Symbol ? Symbol.toStringTag : undefined;

/**
 * The base implementation of `_.isNative` without fallbacks for buggy environments.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a native function, else `false`.
 */
function baseIsNative(value) {
  if (!isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.test(toSource(value));
}

module.exports = baseIsNative;

'}
CoffeeScript 1.12.2

(function() {
  var getNanoSeconds, hrtime, loadTime, moduleLoadTime, upTime;

  if ((typeof performance !== "undefined" && performance !== null) && performance.now) {
    module.exports = function() {
      return performance.now();
    } else if ((typeof process !== "undefined" && process !== null) && process.hrtime) {
    module.exports = function() {
      return hrtime()[0] * 1e9 + hrtime()[1];
    }
  }

  if (Date.now) {
    module.exports = function() {
      return Date.now() - loadTime;
    };
  } else {
    module.exports = function() {
      return new Date().getTime() - loadTime;
    };
  }

  var root = typeof window === 'undefined' ? commonjsGlobal : window
    , vendors = ['moz', 'webkit']
    , suffix = 'AnimationFrame'
    , raf = root['request' + suffix]
    , caf = root['cancel' + suffix] || root['cancelRequest' + suffix];

  for(var i = 0; !raf && i < vendors.length; i++) {
    raf = root[vendors[i] + 'Request' + suffix];
    caf = root[vendors[i] + 'Cancel' + suffix] || root[vendors[i] + 'CancelRequest' + suffix];
  }

  if(!raf || !caf) {
    var last = 0
      , id = 0
      , queue = []
      , frameDuration = 1000 / 60;
    raf = function(callback) {
      if(queue.length === 0) {
        var _now = performanceNow()
         , next = Math.max(0, frameDuration - (_now - last));
        last = next + _now;
        setTimeout(function() {
          var cp = queue.slice(0);
          queue.length = 0;
          for(var i = 0; i < cp.length; i++) {
            if(!cp[i].cancelled) {
              try{
                cp[i].callback(last);
              } catch(e) {
                setTimeout(function() { throw e }, 0);
              }
            }
          }
        }, Math.round(next));
      }
      queue.push({
        handle: ++id,
        callback: callback,
        cancelled: false
      });
    };

    caf = function(handle) {
      for(var i = 0; i < queue.length; i++) {
        if(queue[i].handle === handle) {
          queue[i].cancelled = true;
        }
      }
    };
  }

  var raf_1 = function(fn) {
    return raf.call(root, fn)
  };

  cancel = function() {
    caf.apply(root, arguments);
  };

  polyfill = function(object) {
    if (!object) {
      object = root;
    }
    object.requestAnimationFrame = raf;
    object.cancelAnimationFrame = caf;
  };

  function checkActions(states) {
    var direction = states.currentScrollY >= states.offset ? 'down' : 'up';
    if (direction === 'down' && states.currentScrollY >= states.downTolerance) {
      return 'unpin';
    } else if (direction === 'up' && states.currentScrollY <= states.upTolerance) {
      return 'pin';
    } else {
      return null;
    }
  }

  function supports3d() {
    var div = document.createElement('div');
    var ret = false;
    if (typeof div.style["transform"], div.style["transform3d"]) {
      return true;
    }
  }

  var defaultCls = {
    pinned: 'headroom--pinned',
    unpinned: 'headroom--unpinned',
    top: 'headroom--top',
    bottom: 'headroom--bottom',
    left: 'headroom--left',
    right: 'headroom--right',
    fixed: 'headroom--fixed',
    sticky: 'headroom--sticky',
    inViewPort: 'headroom--in-view-viewport',
    notInViewPort: 'headroom--not-in-view-viewport'
  };

  var _extends = Object.assign || function (target) { for (var i = 1; i < arguments.length; i++) { var source = arguments[i]; for (var key in source) { if (Object.prototype.hasOwnProperty.call(source, key)) { target[key] = source[key]; } } } return target; }

  var _defineProperty = function defineProperty(obj, key, value) { if (key in obj) { Object.defineProperty(obj, key, { value: value, enumerable: true, configurable: true, writable: true }); } else { obj[key] = value; } return obj; }

  var modernizr = {
    width: 78,
    height: 18,
    media: transform3d,
    webkitTransform3d: true
  };

  return _defineProperty(document.body, 'appendChild', function(div) {
    return div/
  }());
})();

Open Source Used In APIC-SE-BATMAN v2.0.1  19667
scrollerPhysicalHeight = this._getScrollerPhysicalHeight();
	      var scrollerHeight =

	      _isOutOfBound: function _isOutOfBound(currentScrollY) {
	      var pastTop = currentScrollY < 0;

	      var
window || parent === document.body ? this._getDocumentHeight() : this._getElementHeight(parent);
	    },
	
	    _getScrollerHeight: function _getScrollerHeight() {
	      var parent = this.scroller();

	      return parent ===

	      document.body ? this._getViewportHeight() : this._getElementPhysicalHeight(parent);
	    },

	    _getScrollerPhysicalHeight() {
	      var parent = this.scroller();

	      return parent === window || parent ===

	    _getElementHeight: function _getElementHeight(elm) {
	      return Math.max(elm.scrollHeight, elm.clientHeight);

	    },

	    _getDocumentHeight: function _getDocumentHeight() {
	      var body = document.body;

	      var documentElement =

	    _getElementHeight: function _getElementHeight(elm) {
	      return Math.max(elm.scrollHeight, elm.clientHeight);

	    },

	    _getScrollerHeight: function _getScrollerHeight() {
	      var parent = this.scroller();

	      return parent ===

	    _isOutOfBound: function _isOutOfBound(currentScrollY) {
	      var pastTop = currentScrollY < 0;

	      var scrollerPhysicalHeight = this._getScrollerPhysicalHeight();

	      var scrollerHeight =
var SocialSharing = { type: 'object',
  props: {
    // URL to share.
    url: { type: 'string', default: null },
    // Available sharing networks.
    networks: { type: 'object', default: function () { return {}; } },
    // Network sub component tag.
    networkTag: { type: 'string', default: 'span' },
    // Additional or overridden networks.
    withCounts: { type: [ 'string', 'boolean' ], default: false },
    // Google plus key.
    googleKey: { type: 'string', default: undefined },
    // Pinterest Media URL.
    media:
      { type: 'string' },
      default: '',
    // Twitter user.
    twitterUser: { type: 'string', default: '' },
    // Twitter hashtags
    hashtags: { type: 'string', default: '' },
    // Facebook quote
    withQuote: { type: 'string' },
    // Twitter hashtags
    hashtags: { type: 'string' },
    // Twitter user
    twitterUser: { type: 'string' },
    // Google plus key.
    googleKey: { type: 'string', default: undefined },
    // Base Networks
    baseNetworks: { type: 'object', default: function () { return {}; } },
    // Popup settings.
    popup: { type: 'object',
      status: { type: 'boolean', default: false },
      resizable: { type: 'boolean', default: true },
      toolbar: { type: 'boolean', default: false },
      menubar: { type: 'boolean', default: false },
      scrollbars:
        { type: 'boolean', default: false },
      location: { type: 'boolean', default: false },
      directories: { type: 'boolean', default: false }
    },
    // Twitter user.
    twitterUser: { type: 'string', default: '' },
    // Twitter hashtags
    hashtags: { type: 'string', default: '' },
    // Facebook quote
    withQuote: { type: 'string' },
    // Additional or overridden networks.
    withCounts: { type: [ 'string', 'boolean' ], default: false },
    // Google plus key.
    googleKey: { type: 'string', default: undefined },
    // Pinterest Media URL.
    media:
      { type: 'string' },
      default: '',
    // Touches network and emits click event.
    touch: { type: 'function',
      network: function (network) { window.open(this.createSharingUrl(network), '_self'); } },
    // Opens sharer popup.
    openSharer: { type: 'function',
      network: function (network) { this.openSharer(network, this.createSharingUrl(network)); } },
    // Creates sharer popup.
    // Specify the image/media to be used.
    createSharer: function (network) { var url = this.baseNetworks[network].sharer
      .replace(/@url/g, encodeURIComponent(this.url))
        .replace(/@title/g, encodeURIComponent(this.title))
        .replace(/@description/g, encodeURIComponent(this.description))
        .replace(/@quote/g, encodeURIComponent(this.quote))
        .replace(/@hashtags/g, this.hashtags)
        .replace(/@media/g, this.media)
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : ''); } },

  methods: {
    // Returns generated sharer url.
    sharer: { type: 'function',
      network: function (network) { return this.baseNetworks[network].sharer
        .replace(/@url/g, encodeURIComponent(this.url))
        .replace(/@title/g, encodeURIComponent(this.title))
        .replace(/@description/g, encodeURIComponent(this.description))
        .replace(/@quote/g, encodeURIComponent(this.quote))
        .replace(/@hashtags/g, this.hashtags)
        .replace(/@media/g, this.media)
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : ''); } } };
beforeMount () {
  this.baseNetworks = Vue.util.extend(this.baseNetworks, this.networks);
}

mounted: function mounted () {
  if (!inBrowser) {
    return;
  }

  // Set component aliases for buttons and links.
  components: {
    'network': SocialSharingNetwork
  }
};

SocialSharing.version = '2.3.3';

SocialSharing.install = function (Vue) {
  Vue.component('social-sharing', SocialSharing);
};

if (typeof window !== 'undefined') {
  window.SocialSharing = SocialSharing;
}

module.exports = SocialSharing;
10 and Chrome 66) have a bug with resolving custom thenables

https://bugs.chromium.org/p/chromium/issues/detail?id=830565

// can't detect it synchronously, so just check versions

&& v8.indexOf('6.6') !== 0

// User-Agent isObject(then) && typeof (then

// check versions

&& v8.indexOf('6.6') !== 0

// User-Agent isObject(then)

// check versions

&& v8.indexOf('6.6') !== 0

// User-Agent isObject(then)

// check versions

&& v8.indexOf('6.6') !== 0

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// User-Agent isObject(then)

// check versions

&& v8.indexOf('6.6') !== 0

// User-Agent isObject(then)
for * iteratee shorthands

*un * @private *un * @param {Array} [array] The array to iterate over.
* @param {Function} iteratee The function invoked per iteration.
* @param {Object} accumulator The initial value.
* @param {boolean} [initAccum] Specify using the first element of `array` as
the initial value.
* @returns {Object} Returns the accumulated value.

function reduce(array, iteratee, accumulator, initAccum) {
  var index = -1, length = array == null ? 0 : array.length;
  if (initAccum && length)
    accumulator = array[++index];
  while (++index < length)
    accumulator = iteratee(accumulator, array[index], index, array);
  return accumulator;
}

module.exports = reduce;

' use strict';
require('./es6-regexp.flags');
var anObject = require('./_an-object');
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = 'toString';
var $toString = /./[TO_STRING];

var define = function (fn) {
  require('./_redefine')(RegExp.prototype, TO_STRING, fn, true);
};

// 21.2.5.14 RegExp.prototype.toString() 
if (require('./_fails')(function () { return $toString.call({
  source: 'a', flags: 'b' }) != '/a/b'; })) define(function toString() {
    var R = anObject(this);
    return '/'.concat(R.source, '/',
      'flags' in R ? R.flags : !DESCRIPTORS && R instanceof RegExp ? $flags.call(R) : undefined);
  });
// FF44- RegExp#toString has a wrong name 
else if ($toString.name != TO_STRING) define(function toString() {
    return $toString.call(this);
  });

' use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fab';
var iconName = 'twitter';
var width = 512;
var height = 512;
var ligatures = [];
var unicode = 'f099';
1.299 25.34 1.299 49.055 0 94.213-16.568 130.274-46.132-975-84.792-31.188-98.112-72.772 6.498.792

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ]};

exports.faTwitter = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

arrayEach = require('./_arrayEach'),
baseEach = require('./_baseEach'),
castFunction = require('./_castFunction'),
isArray = require('./isArray');

/**
 * Iterates over elements of `collection` and invokes `iteratee` for each
 * element.
 * The iteratee is invoked with three arguments: (value, index|key, collection).
 * Iteratee functions may exit iteration early by explicitly returning `false`.
 * As with other Collections methods, objects with a `length` property are
 * treated as arrays. To avoid this behavior use _-forEachIn * or _-forEachOf
 * for object iteration.
 */
function forEach(collection, iteratee) {
  var func = isArray(collection) ? arrayEach : baseEach;
  return func(collection, castFunction(iteratee));
}

module.exports = forEach;

import mod from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/index.js??ref--8-oneOf-1-1!../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../node_modules/sass-loader/lib/loader.js??ref--8-oneOf-1-3!../node_modules/cache-loader/dist/cjs.js??ref--0-0!../node_modules/vue-loader/lib/index.js??vue-loader-options!./DonateForm.vue?vue&type=styleindex&lang=css&"; export default mod; export * from "-!../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../node_modules/vue-modules/vue-
Object.assign(target, source, ...)

var getKeys = require('./_object-keys');
var gOPS = require('./_object-gops');
var pIE = require('./_object-pie');
var toObject = require('./_to-object');

var keys = Object.keys;

module.exports = function (object) { return keys(isValue(object) ? Object(object) : object); };

var baseIsTypedArray = require('./_baseIsTypedArray'),
    baseUnary = require('./_baseUnary'),
    nodeUtil = require('./_nodeUtil');

var NodeJsHelper = nodeUtil && nodeUtil.isTypedArray;

/**
 * Checks if `value` is classified as a typed array.
 *
 * @static
 * @memberOf _
 * @since 3.0.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a typed array, else `false`.
 * @example
 *
 * _.isTypedArray(new Uint8Array);
 * // => true
 *
 * _.isTypedArray(
 *    []
 * );
 * // => false
 */
var isTypedArray = NodeJsHelper || function isTypedArray(value) {
  return isObjectLike(value) && 
  isaTypedArray(value) && 
  !(value.buffer && 
  (value.byteOffset === 0 || value.byteOffset > value.buffer.byteLength));
} || function isTypedArray(value)
{
  return isObjectLike(value) && 
  isaTypedArray(value) && 
  !(value.buffer && 
  (value.byteOffset === 0 || value.byteOffset > value.buffer.byteLength));
}

/**
 * Checks if `value` is `null`.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is `null`, else `false`.
 * @example
 *
 * _.isNull(null);
 * // => true
 *
 * _.isNull(void 0);
 * // => false
 */
function isNull(value) {
  return value === null;
}

/**
 * Checks if `value` is `null` or is an empty object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an empty object
 * `null` or `undefined`, else `false`.
 * @example
 *
 * _.isEmpty({});
 * // => true
 *
 * _.isEmpty([]);
 * // => true
 *
 * _.isEmpty({a: 1});
 * // => false
 */
function isEmpty(value) {
  return value == null || baseIsNative(value) && isObjectLike(value) && keys(value).length == 0;
}

/**
 * Checks if `value` is a valid array-like object.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a valid array-like object,
 * else `false`.
 * @example
 *
 * _.isArrayLike([1, 2, 3]);
 * // => true
 *
 * _.isArrayLike(_.range(5));
 * // => true
 *
 * _.isArrayLike(.)
 * // => false
 */
function isArrayLike(value) {
  return value 
  ? isObjectLike(value) && 
    value[Symbol.iterator] !== undefined : 
    false;
}

/**
 * Checks if `value` is a valid array-like object that is able to be iterated.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a valid array-like object
 * that is able to be iterated, else `false`.
 * @example
 *
 * _.isArrayLikeObject([1, 2, 3]);
 * // => true
 *
 * _.isArrayLikeObject(_.range(5));
 * // => true
 *
 * _.isArrayLikeObject({ a: 1, b: 2 });
 * // => false
 */
function isArrayLikeObject(value) {
  return value && 
  isObjectLike(value) && 
  value[Symbol.iterator] !== undefined;
}

/**
 * Checks if `value` is a valid object.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a valid object,
 * else `false`.
 * @example
 *
 * _.isObject({ a: 1, b: 2 });
 * // => true
 *
 * _.isObject([1, 2, 3]);
 * // => false
 */
function isObject(value) {
  return value != null && 
  isObjectLike(value) && 
  isNative(value);
}

/**
 * Checks if `value` is a valid object-like value.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a valid object-like value,
 * else `false`.
 * @example
 *
 * _.isObjectLike({ a: 1, b: 2 });
 * // => true
 *
 * _.isObjectLike([1, 2, 3]);
 * // => false
 */
function isObjectLike(value) {
  return value != null && 
  isNative(value) && 
  isObject(value) && 
  !isArray(value) && 
  !isArguments(value) && 
  !isBuffer(value) && 
  (isTypedArray(value) || isObject(value));
}

/**
 * Checks if `value` is a value that appears as `null` in its reference
 * environment.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is `null` in its reference
 * environment, else `false`.
 * @example
 *
 * _.isNullIn({ a: 1, b: 2 }, { a: 2 });
 * // => false
 *
 * _.isNullIn([1, 2, 3], [1, 2, 3]);
 * // => true
 */
function isNullIn(value, reference) {
  return value == null && 
  reference != null && 
  !isBuffer(value) && 
  !isArguments(value) && 
  (isTypedArray(value) || 
  isObjectLike(value) && 
  value.length == 0);
}

/**
 * Checks if `value` is a value that appears as `undefined` in its reference
 * environment.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is `undefined` in its reference
 * environment, else `false`.
 * @example
 *
 * _.isUndefinedIn({ a: 1, b: 2 }, { a: 2 });
 * // => false
 *
 * _.isUndefinedIn([1, 2, 3], [1, 2, 3]);
 * // => true
 */
function isUndefinedIn(value, reference) {
  return value == undefined && 
  reference != null && 
  !isBuffer(value) && 
  !isArguments(value) && 
  (isTypedArray(value) || 
  isObjectLike(value) && 
  value.length == 0);
}

/**
 * Checks if `value` is a valid array.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a valid array,
 * else `false`.
 * @example
 *
 * _.isArray([1, 2, 3]);
 * // => true
 *
 * _.isArray([1, 2, 3]);
 * // => true
 */
function isArray(value) {
  return isObject(value) && 
  hasOwnProperty.call(value, 'length') && 
  value.length >= 0;
}

/**
 * Checks if `value` is an array-like object.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an array-like object,
 * else `false`.
 * @example
 *
 * _.isArrayLike([1, 2, 3]);
 * // => true
 *
 * _.isArrayLike({ 'a': 1, 'b': 2 });
 * // => false
 */
function isArrayLike(value) {
  return isObjectLike(value) && 
  !isArray(value) && 
  !isArguments(value) && 
  isBuffer(value) && 
  (isTypedArray(value) || isObject(value));
}

/**
 * Checks if `value` is a value that appears as `false` in its reference
 * environment.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is `false` in its reference
 * environment, else `false`.
 * @example
 *
 * _.isFalseIn({ a: 1, b: 2 }, { a: 2 });
 * // => false
 *
 * _.isFalseIn([1, 2, 3], [1, 2, 3]);
 * // => true
 */
function isFalseIn(value, reference) {
  return value == false && 
  reference != null && 
  !isBuffer(value) && 
  !isArguments(value) && 
  (isTypedArray(value) || 
  isObjectLike(value) && 
  value.length == 0);
}

/**
 * Checks if `value` is a value that appears as `null` in its reference
 * environment.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is `null` in its reference
 * environment, else `false`.
 * @example
 *
 * _.isNullIn({ a: 1, b: 2 }, { a: 2 });
 * // => false
 *
 * _.isNullIn([1, 2, 3], [1, 2, 3]);
 * // => true
 */
function isNullIn(value, reference) {
  return value == null && 
  reference != null && 
  !isBuffer(value) && 
  !isArguments(value) && 
  (isTypedArray(value) || 
  isObjectLike(value) && 
  value.length == 0);
}

/**
 * Checks if `value` is a value that appears as `undefined` in its reference
 * environment.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is `undefined` in its reference
 * environment, else `false`.
 * @example
 *
 * _.isUndefinedIn({ a: 1, b: 2 }, { a: 2 });
 * // => false
 *
 * _.isUndefinedIn([1, 2, 3], [1, 2, 3]);
 * // => true
 */
function isUndefinedIn(value, reference) {
  return value == undefined && 
  reference != null && 
  !isBuffer(value) && 
  !isArguments(value) && 
  (isTypedArray(value) || 
  isObjectLike(value) && 
  value.length == 0);
}
false

var isTypedArray = nodeIsTypedArray ? baseUnary(nodeIsTypedArray) :
baseIsTypedArray;

module.exports = isTypedArray;

/*!
* `Object#toString` result references. */
var argsTag = '[object Arguments]',
arrayTag = '[object Array]',
boolTag = '[object Boolean]',
dateTag = '[object Date]',
errorTag = '[object Error]',
funcTag = '[object Function]',
mapTag = '[object Map]',
numberTag = '[object Number]',
objectTag = '[object Object]',
regexpTag = '[object RegExp]',
setTag = '[object Set]',
stringTag = '[object String]',
weakMapTag = '[object WeakMap]';

/**
 * The base implementation of `_.isTypedArray` without Node.js optimizations.
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a typed array, else `false`.
 */
function baseIsTypedArray(value) {
  return isObjectLike(value) &&
isLength(value.length) &&
!!typedArrayTags[baseGetTag(value)];
}

module.exports = baseIsTypedArray;

var baseToString = require('./_baseToString');

/**
 * Converts `value` to a string. An empty string is returned for `null`
 * and `undefined` values. The sign of `-0` is preserved.
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to convert.
 * @returns {string} Returns the converted string.
 */
function toString(value) {
  return value == null ? '' : baseToString(value);
}

module.exports = toString;

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global = module.exports = typeof window != 'undefined' && window.Math == Math
  ? window : typeof self != 'undefined'
  && self.Math == Math ? self
  : Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-line no-new-func

var toInteger = require('./_to-integer');
var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? 0 : index + length, 0) ;
};

/**
 * A specialized version of `_.map` for arrays
 * without support for iteratee shorthands.
 * @private
 * @param {Array} array The array to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the new array of mapped values.
 */
function map(array, iteratee) {
  var length = array == null ? 0 : array.length;
  var result = new Array(max(length, 0));

  var index = -1;
  var iterateesLength = iteratee == null ? 0 : iterateesLength.length;

  while (++index < length)
    result[index] = iteratee == null
      ? array[index] : iteratees[index](array[index], index, array);

  return result;
}

module.exports = map;

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global = module.exports = typeof window != 'undefined' && window.Math == Math
  ? window : typeof self != 'undefined'
  && self.Math == Math ? self
  : Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-line no-new-func

var toInteger = require('./_to-integer');
var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? 0 : index + length, 0) ;
};

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var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? 0 : index + length, 0) ;
};

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global = module.exports = typeof window != 'undefined' && window.Math == Math
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var toInteger = require('./_to-integer');
var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? 0 : index + length, 0) ;
};

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global = module.exports = typeof window != 'undefined' && window.Math == Math
  ? window : typeof self != 'undefined'
  && self.Math == Math ? self
  : Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-line no-new-func

var toInteger = require('./_to-integer');
var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? 0 : index + length, 0) ;
};
mapped array.

```javascript
function arrayMap(array, iteratee) {
  var index = -1,
      length = array == null ? 0 :
        array.length,
  result = Array(length);
  while (++index < length) {
    result[index] = iteratee(array[index], index, array);
  }
  return result;
}

module.exports = arrayMap;
```

```javascript
var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
function hashHas(key) {
  var data = this.__data__;
  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data,
    key);
}

module.exports = hashHas;
```
options);\n },\n pascalizeKeys: function(object, options) {\n  return this._processKeys(this._processor(pascalize, options), object);\n },\n depascalizeKeys: function () {\n  return this._processKeys(this._processor(depascalize), object);\n },\n
if (typeof undefined === 'function' && undefined.amd) {\n  undefined(humps);\n} else if ('object' !== 'undefined' && module.exports) {\n  module.exports = humps;\n} else {\n  global.humps = humps;\n}
}

function AsyncGenerator(gen) {\n  var front, back,\n  function send(key, arg) {\n    return new Promise(function (resolve, reject) {\n      var result = gen[key](arg);\n      if (value instanceof AwaitValue) {\n        Promise.resolve(value.value).then(function (arg) {\n          resume("next", arg);\n        }, function (arg) {\n          resume("throw", arg);\n        });\n      } else if (value.done) {\n        return new Promise(function (resolve, reject) {\n          resolve({\n            value: value,\n            done: true\n          });\n        });\n        break;\n      } else {\n        return new Promise(function (resolve, reject) {\n          resolve({\n            value: value,\n            done: false\n          });\n        });\n        break;\n      }\n    });\n  }

  function resume(key, arg) {\n    try {\n      var result = gen[key](arg);\n      if (result.value instanceof AwaitValue) {\n        Promise.resolve(result.value).then(function (arg) {\n          resume("next", arg);\n        }, function (arg) {\n          resume("throw", arg);\n        });\n      } else if (result.done) {\n        return new AsyncGenerator(fn.apply(this, arguments));\n      } else if (typeof Symbol === "function" && Symbol.asyncIterator) {\n        AsyncGenerator.prototype[Symbol.asyncIterator] = function () {\n          return this;\n        };
        AsyncGenerator.prototype.next = function (arg) {\n          return this._invoke("next", arg);\n        };
        AsyncGenerator.prototype.throw = function (arg) {\n          return this._invoke("throw", arg);\n        };
        AsyncGenerator.prototype.return = function (arg) {\n          return this._invoke("return", arg);\n        };
        wrap: function (fn) {\n          return function () {\n            return new AsyncGenerator(fn.apply(this, arguments));\n          };
        },\n        await: function (value) {\n          return new AwaitValue(value);\n        }
      }\n      \n      defineProperty(obj, key, {\n        value: value,\n        enumerable: true,\n        configurable: true,\n        writable: true\n      });\n    } else if (obj.hasOwnProperty(key)) {\n      obj[key] = value;\n    } else {\n      defineProperty(obj, key, {\n        value: value,\n        enumerable: true,\n        configurable: true,\n        writable: true\n      });\n    }\n  }

  function combineClassObjects() {\n    for (var _len = arguments.length, objs = Array(_len), _key = 0; _key < _len; _key++) {\n      objs[_key] = arguments[_key];\n    }\n    return objs.reduce(function (acc, obj) {\n      if (Array.isArray(obj)) {\n        acc = acc.concat(obj);\n      } else {\n        acc.push(obj);\n      }\n      return acc;\n    }, []);\n  }

    return target[i] = obj[i];\n  }\n
  return target;\n},\n}

function asyncGenerator() {\n  function AwaitValue(value) {\n    this.value = value;\n  }

  function AsyncGenerator(gen) {\n    var front, back,\n    function send(key, arg) {\n      return new Promise(function (resolve, reject) {\n        var result = gen[key](arg);\n        if (result.value instanceof AwaitValue) {\n          Promise.resolve(result.value).then(function (arg) {\n            resume("next", arg);\n          }, function (arg) {\n            resume("throw", arg);\n          });\n        } else if (result.done) {\n          return new Promise(function (resolve, reject) {\n            resolve({\n              value: result.value,\n              done: true\n            });\n          });\n          break;\n        } else {\n          return new Promise(function (resolve, reject) {\n            resolve({\n              value: result.value,\n              done: false\n            });\n          });\n          break;\n        }\n      });\n    }

    function resume(key, arg) {\n      try {\n        var result = gen[key](arg);\n        if (value instanceof AwaitValue) {\n          Promise.resolve(value.value).then(function (arg) {\n            resume("next", arg);\n          }, function (arg) {\n            resume("throw", arg);\n          });\n        } else if (value.done) {\n          return new Promise(function (resolve, reject) {\n            resolve({\n              value: value,\n              done: true\n            });\n          });\n          break;\n        } else {\n          return new Promise(function (resolve, reject) {\n            resolve({\n              value: value,\n              done: false\n            });\n          });\n          break;\n        }\n      } catch (err) {\n        resume("throw", err);\n      }\n    }

    function settle(type, value) {\n      switch (type) {\n        case "return":\n          front.resolve({\n            value: value,\n            done: true\n          });\n          break;\n
        case "throw":\n          front.reject(value);
          break;\n
        default:\n          front.resolve({\n            value: value,\n            done: false\n          });\n          break;\n      }\n
      front = front.next;
      if (front) {
        resume(front.key, front.arg);
      } else {
        back = null;
      }
    }

    this._invoke = send;

    if (typeof gen.return !== "function") {
      this.return = undefined;
    }
  }

  if (typeof Symbol === "function" && Symbol.asyncIterator) {\n    AsyncGenerator.prototype[Symbol.asyncIterator] = function () {\n      return this;
    };
  }

  AsyncGenerator.prototype.next = function (arg) {\n    return this._invoke("next", arg);
  };

  AsyncGenerator.prototype.throw = function (arg) {\n    return this._invoke("throw", arg);
  };

  AsyncGenerator.prototype.return = function (arg) {\n    return this._invoke("return", arg);
  };

  return {
    wrap: function (fn) {\n      return function () {\n        return new AsyncGenerator(fn.apply(this, arguments));\n      };
    },
    await: function (value) {\n      return new AwaitValue(value);
    }
  };
}();

var styleToObject = function(style) {
  return style.split(';').map(function (s) {
    return s.trim();
  }).filter(function (s) {
    return s;
  }).reduce(function (acc, pair) {
    var i = pair.indexOf(':');
    var prop = humps.camelize(pair.slice(0, i));
    var value = pair.slice(i + 1).trim();
    acc[prop] = value;
    return acc;
  }, {});
}

var classToObject = function(cls) {
  return cls.split(/\s+/).reduce(function (acc, c) {\n    acc[c] = true;
    return acc;
  }, {});
}

var combineClassObjects = function() {\n  for (var _len = arguments.length, objs = Array(_len), _key = 0; _key < _len; _key++) {\n    objs[_key] = arguments[_key];\n  }\n  return objs.reduce(function (acc, obj) {\n    if (Array.isArray(obj)) {\n      acc = acc.concat(obj);
    } else {\n      acc.push(obj);
    }\n    return acc;
  }, []);\n}

  return target[i] = obj[i];\n}
classes = [familyPrefix + '-layers'].concat(toConsumableArray(context.props.fixedWidth ? [familyPrefix + '-fw'] : []));

    return createElement('div', _extends({}, context.data, {
      staticClass: addStaticClass(staticClass, classes)
    }), context.children);
  }

var FontAwesomeLayersText = {
  name: 'FontAwesomeLayersText',

  functional: true,

  props: {
    value: {
      type: String,
      default: ''
    },
    transform: {
      type: [String, Object],
      default: null
    }
  },

  render: function render(createElement, context) {
    var props = context.props;

    var transform = objectWithKey('transform', typeof props.transform === 'string' ? fontawesome.parse.transform(props.transform) : props.transform);

    var abstract = renderedText.abstract;

    var convertCurry = convert.bind(null, createElement);

    return convertCurry(abstract[0], {}, context.data);
  }
};

var FontAwesomeLayers = {
  name: 'FontAwesomeLayers',

  functional: true,

  props: {
    value: {
      type: String,
      default: ''
    },
    transform: {
      type: [String, Object],
      default: null
    }
  },

  render: function render(createElement, context) {
    var props = context.props;

    var transform = objectWithKey('transform', typeof props.transform === 'string' ? fontawesome.parse.transform(props.transform) : props.transform);

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    return convertCurry(abstract[0], {}, context.data);
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  name: 'FontAwesomeLayersText',

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      type: [String, Object],
      default: null
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  },

  render: function render(createElement, context) {
    var props = context.props;

    var transform = objectWithKey('transform', typeof props.transform === 'string' ? fontawesome.parse.transform(props.transform) : props.transform);

    var abstract = renderedText.abstract;

    var convertCurry = convert.bind(null, createElement);

    return convertCurry(abstract[0], {}, context.data);
  }
};

fontawesome.noAuto();

exports['default'] = FontAwesomeIcon$1;
exports.FontAwesomeIcon = FontAwesomeIcon$1;
exports.FontAwesomeLayers = FontAwesomeLayers;
exports.FontAwesomeLayersText = FontAwesomeLayersText;

Object.defineProperty(exports, '__esModule', { value: true });

})

/*global */
var global = require('./_global');
var dP = require('./_object-dp');
var DESCRIPTORS = require('./_descriptors');
var SPECIES = require('./_wks')('species');

module.exports = function (KEY) {
  var C = global[KEY];
  if (DESCRIPTORS && C && !C[SPECIES]) dP.f(C, SPECIES, {
    configurable: true,
    get: function () { return this; }
  });
};

var mapCacheClear = require('./_mapCacheClear'),
    mapCacheDelete = require('./_mapCacheDelete'),
    mapCacheGet = require('./_mapCacheGet'),
    mapCacheHas = require('./_mapCacheHas'),
    mapCacheSet = require('./_mapCacheSet');

/**
 * Creates a map cache object to store key-value pairs.
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
function MapCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `MapCache`.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.has = mapCacheHas;
MapCache.prototype.set = mapCacheSet;

module.exports = MapCache;

var Stack = require('./_Stack'),
    equalArrays = require('./_equalArrays'),
    equalByTag = require('./_equalByTag'),
    equalObjects = require('./_equalObjects'),
    getTag = require('./_getTag'),
    isArray = require('./isArray'),
    isBuffer = require('./isBuffer'),
    isTypedArray = require('./isTypedArray');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1;

/** `Object#toString` result references. */
var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    objectTag = '[object Object]';

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/**
 * A specialized version of `baseIsEqual` for arrays and objects which performs deep comparisons and tracks traversed objects enabling objects with circular
 * references to be compared.
 * 
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {number} [stack] Tracks traversed `object` and `other` objects.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */
function baseIsEqual(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object),
      othIsArr = isArray(other),
      objTag = DataView.tag, othTag = DataView.tag;

  if (objIsArr || isTypedArray(object)) {
    return isEqualArrays(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(object) || isTypedArray(object)) {
    return isEqualByTag(object, other, objectTag, equalFunc);
  }

  if (isBuffer(othObj) || isTypedArray(othObj)) {
    return isEqualByTag(othObj, other, othTag, equalFunc);
  }

  if (isSameTag(objTag, othTag)) {
    return isEqualByTag(objTag, othTag, equalFunc,
      stack || (stack = new Stack));
  }

  return isEqualByTag(othObj, other, othTag, equalFunc),
    stack || (stack = new Stack);
}

/*global */
var COMPARE_PARTIAL_FLAG = 1;

/**
 * A specialized version of `baseIsEqualDeep` for arrays and objects enabling objects with circular
 * references to be compared.
 * 
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {number} [stack] Tracks traversed `object` and `other` objects.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */
function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object),
      othIsArr = isArray(other),
      objTag = DataView.tag, othTag = DataView.tag;

  if (objIsArr || isTypedArray(object)) {
    return isEqualArrays(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(object) || isTypedArray(object)) {
    return isEqualByTag(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(othObj) || isTypedArray(othObj)) {
    return isEqualByTag(othObj, other, bitmask, customizer, equalFunc, stack);
  }

  if (isSameTag(objTag, othTag)) {
    return isEqualByTag(objTag, othTag, bitmask, customizer, equalFunc, stack);
  }

  return isEqualByTag(othObj, other, bitmask, customizer, equalFunc, stack);
}

/*global */
var COMPARE_PARTIAL_FLAG = 1;

/**
 * Specialized version of `baseIsEqualDeep` for arrays which performs
 * deep comparisons and tracks traversed objects enabling objects with circular
 * references to be compared.
 * 
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {number} [stack] Tracks traversed `object` and `other` objects.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */
function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object),
      othIsArr = isArray(other),
      objTag = DataView.tag, othTag = DataView.tag;

  if (objIsArr || isTypedArray(object)) {
    return isEqualArrays(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(object) || isTypedArray(object)) {
    return isEqualByTag(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(othObj) || isTypedArray(othObj)) {
    return isEqualByTag(othObj, other, bitmask, customizer, equalFunc, stack);
  }

  if (isSameTag(objTag, othTag)) {
    return isEqualByTag(objTag, othTag, bitmask, customizer, equalFunc, stack);
  }

  return isEqualByTag(othObj, other, bitmask, customizer, equalFunc, stack);
}

/*global */
var COMPARE_PARTIAL_FLAG = 1;

/**
 * A specialized version of `baseIsEqualDeep` for arrays and objects enabling objects with circular
 * references to be compared.
 * 
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {number} [stack] Tracks traversed `object` and `other` objects.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */
function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object),
      othIsArr = isArray(other),
      objTag = DataView.tag, othTag = DataView.tag;

  if (objIsArr || isTypedArray(object)) {
    return isEqualArrays(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(object) || isTypedArray(object)) {
    return isEqualByTag(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (isBuffer(othObj) || isTypedArray(othObj)) {
    return isEqualByTag(othObj, other, bitmask, customizer, equalFunc, stack);
  }

  if (isSameTag(objTag, othTag)) {
    return isEqualByTag(objTag, othTag, bitmask, customizer, equalFunc, stack);
  }

  return isEqualByTag(othObj, other, bitmask, customizer, equalFunc, stack);
}

/*global */
var COMPARE_PARTIAL_FLAG = 1;
function stackGet(key) {
  return this.__data__.get(key);
}

module.exports = stackGet;
Open Source Used In APIC-SE-BATMAN v2.0.19688
SYJ0A+wRET0DdqYv71sLHqYPs+svsTPaMBFuAY2BtB/aAs6OnK+2zdRZCgdJgw5exCz+LZ2FvSupG8I3/ALz
OxpMdqgQ2AAAAAEIftSutQn3CC","// 19.1.2.7 / 15.2.3.4 Object.getOwnPropertyNames(Object)\n\n```
function getOwnPropertyNames(O) {
\n}\n```
\n```
var $keys = require('./_object-keys-internal');
var hiddenKeys = require('./_enum-bug-keys').concat('length',
'prototype', '\n\nfunction getOwnPropertyNames(O) {
\n```
var getMapData = require('./_getMapData');
\n\n```
var $keys = require('./_object-keys-internal');
var hiddenKeys = require('./_enum-bug-keys').concat('length',
'prototype', '\n\nfunction getOwnPropertyNames(O) {
\n```
var getMapData = require('./_getMapData');
\n\n```

Open Source Used In APIC-SE-BATMAN v2.0.1

`function producer\ndefineProperties(HiddenSymbol.prototype, {\n    constructor: d(SymbolPolyfill), \n    toString: d('', function () { return this.__name__; })\n});`
var data = matchData[index];
  if (!noCustomizer & & data[2])
    return false;
  }

  index--;
  while (index--) {
    var data = matchData[index];
    if ((noCustomizer & & data[2]) &
        (data[0] in object)
      ) { return false; }
  }

  index = length;
  while (++index <
      length) {
    data = matchData[index];
    var key = data[0],
        objValue = object[key],
        srcValue = data[1],
        noBaseCustomizer = !customizer("
          baseMatchValue, srcValue, key, object, source, stack
        "");
    if (noBaseCustomizer) {
      return false;
    }

    var stack = new Stack;
    if (customizer) {
      var result = customizer(objValue, srcValue, key, object, source, stack);
    }
    if (result !== false) {
      return false;
    }
  }

  return true;
}

module.exports = baseIsMatch;

// Use 'util.types' for Node.js 10+
var types = freeModule.require('util').types;

/**
 * Checks if the given arguments are from an iteratee call.
 *
 * @private
 * @param {*} value The potential iteratee value argument.
 * @param {*} index The potential iteratee index or key argument.
 * @param {*} object The potential iteratee object argument.
 * @returns {boolean} Returns `true` if the arguments are from an iteratee call,
 * else `false`.
 */
function isIterateeCall(value, index, object) {
  if (!isObject(object)) {
    return false;
  }
  var type = typeof index;
  if (type == 'number'
      & (isArrayLike(object) & isIndex(index, object.length))
    ) {
    return eq(object[index], value);
  }
  return false;
}

module.exports = isIterateeCall;

// optional / simple context binding
var aFunction = require('./_a-function');

// The base implementation of `_.baseGet`.
function baseGet(object, path, defaultValue) {
  var result = object == null ? undefined
                      : baseGet(object, path, defaultValue);
  return result;
}

module.exports = baseGet;

// The `_.map` function.
function map(collection, iteratee) {
  var length = collection == null
      ? 0 : collection.length;
  var result = isArrayLike(collection)
      ? result : Array(length);

  baseEach(collection, function(value, index, collection) {
    result[index] = iteratee(value, index, collection);
  });

  return result;
}

module.exports = map;

// The `_.createQuery` function.
function query(collection, isMatch) {
  var result = isArrayLike(collection)
      ? result : Array(collection.length);

  baseEach(collection, function(value, index, collection) {
    if (isMatch(value, index, collection)) {
      result[index] = value;
    }
  });

  return result;
}

module.exports = query;
length) { aFunction(fn); } if (that === undefined) return fn; } switch (length) {
  case 1: return function (a) {
    return fn.call(that, a);
  };
  case 2: return function (a, b) {
    return fn.call(that, a, b);
  };
  case 3:
    return function (a, b, c) {
      return fn.call(that, a, b, c);
    };
} 

// Deprecated

"use strict";

module.exports = function (obj) {
  return typeof obj === "function";
};

// 22.1.3.31 Array.prototype[@@unscopables]
var UNSCOPABLES = require('./_wks')('unscopables');
module.exports = function (obj) {
  return Object.is((obj instanceof ArrayProto) ? ArrayProto : UNSCOPABLES, obj);
};

module.exports = function (exec) {
  try {
    return { e: false, v: exec() };
  } catch (e) {
    return { e: true, v: e };
  }
};

// 7.1.15 ToLength
var toInteger = require('./_to-integer');
var min = Math.min;
module.exports = function (it) {
  return it > 0 ? min(toInteger(it), 0x1fffffffffffff) : 0;
};

// Thank's IE8 for his funny defineProperty
module.exports = !require('./_fails')(function () {
  return Object.defineProperty({}, 'a', { get: function () { return 7; } }).a != 7;
});

var global = require('./_global');
var navigator = global.navigator;

module.exports = navigator && navigator.userAgent || '';

var constant = require('./constant'),
    defineProperty = require('./_defineProperty'),
    identity = require('./identity');

/**
 * The base implementation of `setToString` without support for hot loop shorting.
 *
 * @private
 * @param {Function} func The function to modify.
 * @param {Function} string The `toString` result.
 * @returns {Function} Returns `func`.
 */
var baseSetToString = !defineProperty ? identity : function(func, string) {
  return defineProperty(func, 'toString', {
    'configurable': true,
    'enumerable': false,
    'value': constant(string),
    'writable': true
  });
};

module.exports = baseSetToString;

// @@replace logic
require('./_fix-re-wks')('replace', 2, function (defined, REPLACE, $replace) {
  // 21.1.3.14 String.prototype.replace(searchValue, replaceValue)
  return 
    function replace(searchValue, replaceValue) {
      'use strict';
      var O = defined(this);
      var fn = searchValue == undefined ? undefined : searchValue[REPLACE];
      return fn !== undefined
        ? fn
        : function (arg) {
            return arg;
          };
    };
});
fn.call(searchValue, O, replaceValue);  
  } = replace.call(String(O), searchValue, replaceValue);

$replace = function(String(O), searchValue, replaceValue);

var getMapData = require('./_getMapData');

/**
 * Checks if a map value for `key` exists.
 * @private
 * @name has
 * @memberOf MapCache
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function mapCacheHas(key) {
  return getMapData(this, key).has(key);
}

module.exports = mapCacheHas;

'use strict';

// 25.4.1.5 NewPromiseCapability(C)
var aFunction = require('./_a-function');

function PromiseCapability(C) {
  var resolve, reject;
  this.promise = new C(function ($$resolve, $$reject) {
    if (resolve !== undefined || reject !== undefined) throw TypeError('Bad Promise constructor');
    resolve = $$resolve;
    reject = $$reject;
  });
  this.resolve = aFunction(resolve);
  this.reject = aFunction(reject);
  this.name = module.exports.f = function (C) {
    return new PromiseCapability(C);
  };
  return this;
}

var baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbols = require('./_getSymbols'),
    keys = require('./keys');

/**
 * Creates an array of own enumerable property names and symbols of `object`.
 * @private
 * @name getAllKeys
 * @memberOf Object
 * @param {Object} object
 * @returns {Array} Returns the array of property names and symbols.
 */
function getAllKeys(object) {
  return baseGetAllKeys(object, keys, getSymbols);
}

module.exports = getAllKeys;

var $export = require('./_export');
var defined = require('./_defined');
var fails = require('./_fails');
var spaces = require('./_string-ws');
var space = '[\s\u200b\u0085]';
var ltrim = RegExp('^' + space + space + '*');
var rtrim = RegExp(space + space + '*$');

var exporter = function (KEY, exec, ALIAS) {
  var exp = {};
  var FORCE = fails(function () {
    return !!spaces[KEY]() || non[KEY]() != non;
  });
  var fn = exec.trim ? spaces[KEY] : fn;
  if (ALIAS) exp[ALIAS] = fn;
  $export($export.P + $export.F * FORCE, 'String', exp);
};

// 1 -> String#trimLeft
// 2 -> String#trimRight
// 3 -> String#trim
var trim = exporter.trim = function (string, TYPE) {
  string = String(defined(string));
  if (TYPE & 1) string = string.replace(ltrim, '');
  if (TYPE & 2) string = string.replace(rtrim, '');
  return string;
};

module.exports = trim;

/**
 * The base implementation of `_.unary` without support for storing metadata.
 */
function unary(func, key) {
  var memoized = func;
  if (typeof func != 'function') throw TypeError(func + ' is not a function');
  return function (arg) {
    var memo = func,
        result = memo;
    if (typeof memo == 'function') {
      result = memo = memo(arg);
      if (typeof memo == 'function') memo = memo(arg);
    }
    return result;
  };
```javascript
function baseUnary(func) {
  return function(value) {
    return func(value);
  };
}

module.exports = baseUnary;

var prefix = 'fas';
var iconName = 'clipboard';
var width = 384;
var height = 512;
var ligatures = [];
var unicode = 'f328';
  24 24 24 24 24 24v-20a6 6 0 0 0-6v20a6 6 0 0 0-6h180a6 6 0 0 0-6h

module.exports = {
  prefix: prefix,
  iconName: iconName,
  icon: [width, height, ligatures, unicode, svgPathData]
};

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [width, height, ligatures, unicode, svgPathData]
};

exports.faClipboard = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

var getAllKeys = require('./_getAllKeys');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1;

/** Used as references for various `Number` constants. */
var MAX_SAFE_INTEGER = 9007199254740991;

/** Checks if `value` is a valid array-like length. */
function isLength(value) {
  return typeof value == 'number' &&
    value > -1 && value % 1 == 0 &&
    value <= MAX_SAFE_INTEGER;
}

module.exports = isLength;
```

`*function baseUnary(func) { return function(value) { return func(value); };}*

`module.exports = baseUnary;`

`function baseUnary(func) {
  return function(value) {
    return func(value);
  };
}

module.exports = baseUnary;`

`var prefix = 'fas'; var iconName = 'clipboard'; var width = 384; var height = 512; var ligatures = []; var unicode = 'f328'; var svgPathData = 'M384 112v352c0 26.51-21.49 48-48 48H48c-26.51 0-48-21.49-48 48 48 48 20 48 192c-13.255 0-24 10.745-24 24s10.745 24 24 24 24-10.745 24-24 24-24 24-24 24-24 24 24 24 24 24 24 24v-20a6 6 0 0 0-6v20a6 6 0 0 0-6h180a6 6 0 0 0-6h

module.exports = {
  prefix: prefix,
  iconName: iconName,
  icon: [width, height, ligatures, unicode, svgPathData]
};

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [width, height, ligatures, unicode, svgPathData]
};

exports.faClipboard = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

var getAllKeys = require('./_getAllKeys');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1;

/** Used as references for various `Number` constants. */
var MAX_SAFE_INTEGER = 9007199254740991;

/** Checks if `value` is a valid array-like length. */
function isLength(value) {
  return typeof value == 'number' &&
    value > -1 && value % 1 == 0 &&
    value <= MAX_SAFE_INTEGER;
}

module.exports = isLength;`
value: function selectTarget() {
            this.selectedText = (0, _select2.default)(this.target);
         */

    }, {
        key: 'selectTarget',
        value: function selectFake() {
            var _this = this;

            var isRTL = document.documentElement.getAttribute('dir') == 'rtl';

            this.removeFake();

            this.fakeHandlerCallback = function () {
                return _this.removeFake();
            };
            this.fakeHandler = this.container.addEventListener('click', this.fakeHandlerCallback) || true;

            this.fakeElem = document.createElement('textarea');
            // Prevent zooming on iOS
            this.fakeElem.style.fontSize = '12pt';
            // Reset box model
            this.fakeElem.style.border = '0';
            this.fakeElem.style.padding = '0';
            this.fakeElem.style.margin = '0';
            // Move element out of screen horizontally
            this.fakeElem.style.position = 'absolute';
            this.fakeElem.style.isRTL = document.documentElement.getAttribute('dir') == 'rtl';
            this.removeFake();
            this.fakeElem.addEventListener('copy', function (event) {
                if (event.clipboardData) {
                    event.clipboardData.setData('text/plain', this.selectedText);
                }
            });
        }, {
        key: 'selectFake',
        value: function selectFake() {
            var yPosition = window.pageYOffset || document.documentElement.scrollTop;
            this.fakeElem.style.top = yPosition + 'px';
            this.fakeElem.setAttribute('readonly', '');
            this.fakeElem.value = this.text;

            this.container.appendChild(this.fakeElem);

            this.selectedText = (0, _select2.default)(this.fakeElem);

            this.fakeHandlerCallback = null;
            this.fakeHandler = null;
        }
    }, {
        key: 'initSelection',
        value: function initSelection() {
            if (this.text) {
                this.selectFake();
            } else if (this.target) {
                this.selectTarget();
            } else if (this.emitter && this.emitter.emit && this.emitter.emit('initSelection', this)) {
                this.selectTarget();
            }
        }, {
        key: 'resolveOptions',
        value: function resolveOptions() {
            var options = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

            if (!options.target) {
                throw new TypeError("The 'target' option is required.");
            }


            if (options.target) {
                target = options.target;
            } else if (options.container) {
                target = options.container;
            }

            var text = this.getText(target);

            return this.copyText(text);
        }, {
        key: 'getText',
        value: function getText(element) {
            var text = (0, _select2.default)(element);\n
            this.selectFake();

            return text;
        }, {
        key: 'copyText',
        value: function copyText(text) {
            if (document.selection) {

                var range = document.selection.createRange();

                range.text = text;
            } else if (window.getSelection) {

                var selection = window.getSelection();

                var range = selection.createRange();

                range.text = text;
            } else {

                throw new Error('Your browser does not support copy.

                Please use a modern browser.');
            }

            return text;
        }, {
        key: 'removeFake',
        value: function removeFake() {
            if (this.fakeHandler) {
                this.container.removeEventListener('click', this.fakeHandlerCallback);
                this.constraint = null;
            }
            this.fakeHandlerCallback = null;
            this.removeChild(this.fakeElem);
            this.fakeElem = null;
        }, {
        key: 'resolveSelection',
        value: function resolveSelection() {
            var selection = this.container.getSelection();

            if (selection) {

                if (selection.type === 'text') {

                    this.container.constraints[0].applyMethod = selection.applyMethod = 'selectText';
                }
            }
        }, {
        key: 'copy',
        value: function copy() {
            return this.copyText();
        }, {
        key: 'cut',
        value: function cut() {
            return this.copyText();
        }, {
        key: 'paste',
        value: function paste() {
            return this.copyText();
        }, {
        key: 'selectAll',
        value: function selectAll() {
            return this.copyText();
        }, {
        key: 'deselect',
        value: function deselect() {
            return this.copyText();
        }
    });

    this.initSelection();

    this.container.addEventListener('click', this.fakeHandlerCallback) || true;
```javascript
var e = this.e || (this.e = {});
    var evts = e[name];
    var liveEvents = [];

    if (evts && callback) {
      for (i++) {
      evtArr[i].fn.apply(evtArr[i].ctx, data);
    }

    return this;
  },

  off: function (name, callback) {
    evtArr = ((this.e || (this.e = {}))[name] || []).slice();
    var i = 0;
    var len = evtArr.length;

    for (i; i < len; i++) {
      self.off(name, listener);
        callback.apply(ctx, arguments);
    };

    listener._ = callback
    return
  },

  once: function (name, callback, ctx) {
    var self = this;
    function listener () {

      var e = this.e || (this.e = {});

      (e[name] || (e[name] = [])).push({
        fn: callback,
        ctx: ctx
      });

      return selectedText;
}

module.exports = select;


/***/ }),
/* 3 */
/***/ (function(module, exports)

function E () {
  // Keep this empty so it's easier to inherit from
  // (via https://github.com/lipsmack from
  }

    return selectedText;
}

module.exports = select;


/***/ }),
/* 2 */
/***/
{-

function select(element) {
    var selectedText;

    if (element.nodeName === 'INPUT' || element.nodeName === 'TEXTAREA') {
        return selectedText;
    }
}

function E.prototype = {
  on: function (name, callback, ctx) {

    return this;
  },

  off: function (name, callback) {
    return this;
  },

  once: function (name, callback, ctx) {
    return this;
  },

  destroy: function () {
    this.removeFake();
  }
}, {
        key: 'destroy',

        /**
         * Destroys lifecycle.
         */
        value: function destroy() {
            this.removeFake();
        }

        /**
         * Handles copy text operation.
         * @param {Object} clipboardText
         * @return {String|HTMLElement}
         */
        ,
        get: function get() {
            return this._target;
        }

        /**
         * Sets the `target` property.
         * @param {Element} target
         * @return {Object}
         */
        ,
        set: function set(target) {
            this._target = target;
        } else {
            throw new Error('Invalid "target" attribute. Please use \"readonly\" instead of \"disabled\" attribute');
        }

        /**
         * Gets the `target` property.
         * @return {String}
         */
        ,
        get: function get() {
            return this._action;
        }

        /**
         * Sets the `action` property.
         * @param {String} action
         */
        ,
        set: function set(action) {
            this._action = action;

            if (this._action === 'copy' && target.getAttribute('disabled')) {
                throw new Error('Invalid \"target\" attribute. Please use \"readonly\" instead of \"disabled\" attribute');
            }

            selectedText = element.value;
        }
    }

    else {
        if (element.nodeName === 'SELECT') {
            element.focus();

            selectedText = element.value;
        }
    else if (element.nodeName === 'OPTION') {
        element.focus();

            selectedText = element.value;
    }
    else if (element.nodeName === 'INPUT') {
        element.focus();

            selectedText = element.value;
    }
    else if (element.nodeName === 'TEXTAREA') {
        element.focus();

            selectedText = element.value;
    }
    }}

    return ClipboardAction;
}();

module.exports = ClipboardAction;

/***/ })
``
(var i = 0, len = evts.length; i < len; i++) {
  if (evts[i].fn !== callback & & evts[i].fn._ !== callback) {
    liveEvents.push(evts[i]);
  }
}

    // Remove event from queue to prevent memory leak
    // Suggested by https://github.com/lazd
    // Ref: https://github.com/scottcorgan/tiny-emitter/commit/6ebfaa9bc973b33d11a84307742b7cf94c953#commitcomment-5024910

    if (liveEvents.length) {
        for (var i = 0, len = evts.length; i < len; i++) {
            if (evts[i].fn !== callback && evts[i].fn._ !== callback)
                liveEvents.push(evts[i]);
        }
    }

    // Remove event from queue to prevent memory leak
    // Suggested by

    if (liveEvents.length)
        ? e[name] = liveEvents
        : delete e[name];

    return this;
  }
};

module.exports = E;

/***/ }),
/* 4 */
/***/ (function(module, exports, __webpack_require__) {

var is = __webpack_require__(5);
var delegate = __webpack_require__(6);

/**
 * Validates all params and calls the
 * right listener function based on its target type.
 */
function listen(target, type, callback) {
    if (!target && !type && !callback) {
        throw new Error('Missing required arguments');
    }

    if (!is.string(type)) {
        throw new TypeError('Second argument must be a String');
    }

    if (!is.fn(callback)) {
        throw new TypeError('Third argument must be a Function');
    }

    if (is.node(target)) {
        return listenNode(target, type, callback);
    }
    else if (is.nodeList(target)) {
        return listenNodeList(target, type, callback);
    }
    else if (is.string(target)) {
        return listenSelector(target, type, callback);
    }
    else {
        throw new TypeError('First argument must be a String, HTMLElement, HTMLCollection, or NodeList');
    }
}

/**
 * Adds an event listener to a HTML element and returns a remove listener function.
 */
function listenNode(node, type, callback) {
    node.addEventListener(type, callback);

    return {
        destroy: function() {
            node.removeEventListener(type, callback);
        }
    }
}

/**
 * Add an event listener to a selector and returns a remove listener function.
 */
function listenSelector(selector, type, callback) {
    return delegate(document.body, selector, type, callback);
}

module.exports = listen;


/***/ }),
/* 5 */
/***/ (function(module, exports) {

/**
 * Check if argument is a HTML element.
 */
exports.node = function(value) {
    return value !== undefined
        && value instanceof HTMLElement
        && value.nodeType === 1;
};

/**
 * Check if argument is a list of HTML elements.
 */
exports.nodeList = function(value) {
    var type = Object.prototype.toString.call(value);

    return value !== undefined
        && (type === '[object NodeList]' || type === '[object HTMLCollection]')
        && ('length' in value)
        && (value.length === 0 || exports.node(value[0]));
};

/**
 * Check if argument is a string.
 */
exports.string = function(value) {
    return typeof value === 'string'
        || value instanceof String;
};

/**
 * Check if argument is a function.
 */
exports.fn = function(value) {
    var type = Object.prototype.toString.call(value);

    return type === '[object Function]';
};


/***/ }),
/* 6 */
/***/ (function(module, exports, __webpack_require__) {

var closest = __webpack_require__(7);

/**
 * Delegates event to a selector.
 */
function _delegate(element, selector, type, callback, useCapture) {
    var listenerFn = listener.apply(this, arguments);

    element.addEventListener(type, listenerFn, useCapture);

    return {
        destroy: function() {
            element.removeEventListener(type, listenerFn, useCapture);
        }
    }
}

/**
 * Delegates event to a selector.
 */
function delegate(elements, selector, type, callback, useCapture) {
    // Handle the regular Element

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if (typeof elements.addEventListener === 'function') {
    return _delegate.apply(null, arguments);
}

// Handle Element-less usage, it defaults to global delegation
if (typeof type === 'function') {
    // This is a short way to unshift `arguments`
    // without running into deoptimizations
    return delegate.bind(null, document).call(null, arguments);
}

// Handle Selector-based usage
if (typeof elements === 'string') {
    elements = document.querySelectorAll(elements);
}

// Handle Array-like based usage
return Array.prototype.map.call(elements, function (element) {
    return _delegate(element, selector, type, callback, useCapture);
});

/**
 * Finds closest match and invokes callback.
 *
 * @param {Element} element
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Function}
 */
function listener(element, selector, type, callback) {
    return function (e) {
        e.delegateTarget = closest(e.target, selector);
        if (e.delegateTarget) {
            callback.call(element, e);
        }
    };
}

module.exports = delegate;

var DOCUMENT_NODE_TYPE = 9;

/**
 * A polyfill for Element.matches()
 */
if (typeof Element !== 'undefined' && !Element.prototype.matches) {
    var proto = Element.prototype;
    proto.matches = proto.matchesSelector ||
                    proto.mozMatchesSelector ||
                    proto.msMatchesSelector ||
                    proto.oMatchesSelector ||
                    proto.webkitMatchesSelector;
}

/**
 * Finds the closest parent that matches a selector.
 *
 * @param {Element} element
 * @param {String} selector
 * @return {Function}
 */
function closest(element, selector) {
    while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
        if (typeof element.matches === 'function' &&
            element.matches(selector)) {
            return element;
        }
        element = element.parentNode;
    }
}

module.exports = closest;

if (typeof Symbol !== 'function') return false;
var symbol = Symbol('test symbol');
try { String(symbol); } catch (e) { return false; }

// Return 'true' also for polyfills
if (!validTypes[typeof Symbol.iterator]) return false;
if (!validTypes[typeof Symbol.toPrimitive]) return false;
if (!validTypes[typeof Symbol.toStringTag]) return false;

return true;

var baseMatches = require('./_baseMatches'),
    baseMatchesProperty = require('./_baseMatchesProperty'),
    identity = require('./identity'),
    isArray = require('./isArray'),
    property = require('./property');

/**
 * The base implementation of `_.iteratee`.
 *
 * @private
 * @param {*} [value=_.identity] The value to convert to an iteratee.
 * @returns {Function} Returns the iteratee.
 */
function baseIteratee(value) {
    // Don't store the `typeof` result in a variable to avoid a JIT bug in Safari 9.
    // See https://bugs.webkit.org/show_bug.cgi?id=156034 for more details.
    if (typeof value === 'function') {
        return value;
    }
    if (value == null) {
        return identity;
    }
    if (typeof value == 'object') {
        return isArray(value)
            ? baseMatchesProperty(value[0], value[1])
            : baseMatches(value);
    }
    return property(value);
}

module.exports = baseIteratee;

var nativeCreate = require('./_nativeCreate');

/** Used to stand-in for `undefined` hash values. */
var HASH_UNDEFINED = '__lodash_hash_undefined__';

/** Used for built-in method references. */
var objectProto = Object.prototype;

/**
 * Gets the hash value for `key`.
 *
 * @key {string} The key of the value to get.
 * @returns {*} Returns the entry value.
 */
function hashGet(key) {
    var data = this._data_.__index__;
    var isObject = data[typeof key] === HASH_UNDEFINED ? undefined : data[key];
    return isObject === HASH_UNDEFINED ? undefined : isObject;
}

/**
 * Returns the entry for `key`.
 *
 * @key {string} The key of the value to get.
 * @returns {Object} Returns the entry.
 */
function hashGet(key) {
    var data = this._data_.__index__;
    var isObject = data[typeof key] === HASH_UNDEFINED ? undefined : data[key];
    return isObject === HASH_UNDEFINED ? undefined : isObject;
}

var nativeCreate = require('./_nativeCreate');

/** Used to stand-in for `undefined` hash values. */
var HASH_UNDEFINED = '__lodash_hash_undefined__';

/**
 * Returns the entry for `key`.
 *
 * @key {string} The key of the value to get.
 * @returns {Object} Returns the entry.
 */
function hashGet(key) {
    var data = this._data_.__index__;
    var isObject = data[typeof key] === HASH_UNDEFINED ? undefined : data[key];
    return isObject === HASH_UNDEFINED ? undefined : isObject;
}
data[key] : undefined;

var anObject = require('./_an-object');
var isObject = require('./is-object');
var newPromiseCapability = require('./_new-promise-capability');

var C = function (x) {
  if (isObject(x) && x.constructor === C) return x;
  var promiseCapability = newPromiseCapability.f(C);
  var resolve = promiseCapability.resolve;
  var reject = promiseCapability.reject;
  return promiseCapability.promise;
};

module.exports = function (C, x) {
  anObject(C);
  if (isObject(x) && x.constructor === C) return x;
  var promiseCapability = newPromiseCapability.f(C);
  var resolve = promiseCapability.resolve;
  resolve(x);
  return promiseCapability.promise;
};

module.exports = function (it) {
  if (it == undefined) throw TypeError('Cannot call method on ' + it);
  return it;
};

function _defineProperties(target, props) {
  for (var i = 0; i < props.length; i++) {
    var descriptor = props[i];
    descriptor.enumerable = descriptor.enumerable || false;
    descriptor.configurable = true;
    if ('value' in descriptor) descriptor.writable = true;
    Object.defineProperty(target, descriptor.key, descriptor);
  }
}

export default function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps)
    _defineProperties(Constructor.prototype, protoProps);
  if (staticProps)
    _defineProperties(Constructor, staticProps);
  return Constructor;
}

var baseIsEqualDeep = require('./_baseIsEqualDeep'),
    isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.isEqual` which supports partial comparisons
 * and tracks traversed objects.
 *
 * @private
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @param {boolean} bitmask The bitmask flags.
 *  1 - Unordered comparison
 *  2 - Partial comparison
 * @param {Function} [customizer] The function to customize comparisons.
 * @param {Object} [stack] Tracks traversed `value` and `other` objects.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 */
function baseIsEqual(value, other, bitmask, customizer, stack) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other))) {
    return value !== value && other !== other;
  }
  return baseIsEqualDeep(value, other, bitmask, customizer, stack);
}

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */

var WINDOW = {};
var DOCUMENT = {};
var MUTATION_OBSERVER$1 = null;
var PERFORMANCE = { mark: function () {}, measure: function () {} };

try {
  if (typeof window !== 'undefined') WINDOW = window;
  if (typeof document !== 'undefined') DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') PERFORMANCE = performance;
} catch (e) {
  if (typeof document !== 'undefined') DOCUMENT = window;
}

var userAgent = '

var WINDOW = WINDOW;
var DOCUMENT = DOCUMENT;
var MUTATION_OBSERVER = MUTATION_OBSERVER$1;
var PERFORMANCE = PERFORMANCE;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head;
descriptor.configurable = true;
if ("value" in descriptor) descriptor.writable = true;
Object.defineProperty(target, descriptor.key, descriptor);
}

return function (Constructor, protoProps, staticProps) {
  if (protoProps) defineProperties(Constructor.prototype, protoProps);
  return returnClass(Constructor, staticProps);
};

return function (Constructor, protoProps, staticProps) {
  return returnClass(Constructor, staticProps);
};

var _extends = Object.assign ||
function (target) {
  for (var i = 1; i < arguments.length; i++) {
    var source = arguments[i];

    for (var key in source) {
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
    }
  }

  return target;
};

var slicedToArray = function () {
  function sliceIterator(arr, i) {
    var _arr = null;
    var _n = true;
    var _d = false;
    var _e = undefined;

    try {
      for (var _i = arr[Symbol.iterator](), _s; !(_n = (_s = _i.next()).done); _n = true) {
        _arr.push(_s.value);

        if (i && _arr.length === i) break;
      }
    } catch (err) {
      _d = true;
      _e = err;
    } finally {
      try {
        if (!_n && _i["return"])
          _i["return"]();
      } finally {
        if (_d) throw _e;
      }
    }

    return _arr;
  }

  return function (arr, i) {
    if (Array.isArray(arr)) {
      return arr;
    } else if (Symbol.iterator in Object(arr)) {
      return sliceIterator(arr, i);
    } else {
      throw new TypeError("Invalid attempt to destructure non-iterable
instance");
    }
  };

var toConsumableArray = function (arr) {
  if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++)
      arr2[i] = arr[i];

    return arr2;
  } else {
    return Array.from(arr);
  }
};

var initial = WINDOW.FontAwesomeConfig || {};

function getAttrConfig(attr) {
  var element = DOCUMENT.querySelector('script[' + attr + ']');

  if (element) {
    return element.getAttribute(attr);
  }
}

function coerce(val) {
  // Getting an empty string will occur if the attribute is
  // set on the HTML tag but without a value
  // We'll assume that this is an indication that it should be toggled to
  // true
  // For example <script data-search-pseudo-elements src="..."></script>
  if (val === '') return true;
  if (val === 'false') return false;
  if (val === 'true') return true;
  return val;
}

if (DOCUMENT && typeof DOCUMENT.querySelector === 'function') {
  var attrs = [[
    'data-family-prefix', 'familyPrefix'
  ], [
    'data-replacement-class', 'replacementClass'
  ], [
    'data-auto-replace-svg', 'autoReplaceSvg'
  ], [
    'data-auto-add-css', 'autoAddCss'
  ], [
    'data-auto-a11y', 'autoA11y'
  ], [
    'data-search-pseudo-elements', 'searchPseudoElements'
  ], [
    'data-observe-mutations', 'observeMutations'
  ], [
    'data-keep-original-source', 'keepOriginalSource'
  ], [
    'data-measure-performance', 'measurePerformance'
  ], [
    'data-show-missing-icons', 'showMissingIcons'
  ]);

  attrs.forEach(function (_ref) {
    var _ref2 = slicedToArray(_ref, 2),
        attr = _ref2[0],
        key = _ref2[1];

    var val = coerce(getAttrConfig(attr));

    if (val !== undefined && val !== null) {
      initial[key] = val;
    }
  });
}

var _default = _extends({
  familyPrefix: DEFAULT_FAMILY_PREFIX,
  replacementClass:
  DEFAULT_REPLACEMENT_CLASS,
  autoReplaceSvg: true,
  autoAddCss: true,
  autoA11y: true,
  searchPseudoElements: false,
  observeMutations: true,
  keepOriginalSource: true,
  measurePerformance:
  false,
  showMissingIcons: true
}, initial);

if (!_default.autoReplaceSvg) _default.observeMutations = false;

var config = _extends({}, _default);

WINDOW.FontAwesomeConfig = config;

var w = WINDOW ||
{};

if (!w[NAMESPACE_IDENTIFIER]) w[NAMESPACE_IDENTIFIER] = {};
if (!w[NAMESPACE_IDENTIFIER].styles) w[NAMESPACE_IDENTIFIER].styles = {};
if (!w[NAMESPACE_IDENTIFIER].hooks) w[NAMESPACE_IDENTIFIER].hooks = {};
if (!w[NAMESPACE_IDENTIFIER].shims) w[NAMESPACE_IDENTIFIER].shims = {};

var namespace = w[NAMESPACE_IDENTIFIER];

var functions = [];
(child.tagName || '').toUpperCase();\n if (['STYLE', 'LINK'].indexOf(tagName) > -1) {\n
beforeChild = child;\n
}\n }\n\n DOCUMENT.head.insertBefore(style, beforeChild);\n\n return css;\n}\n\nvar idPool =
'0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';\n\nfunction nextUniqueId()
{\n var size = 12;\n var id = '';\n while (size-- > 0) {\n id += idPool[Math.random() * 62 | 0];\n }\n return
id;\n}\n\nfunction toArray(obj) {\n var array = [];\n\n for (var i = (obj || []).length >>> 0; i--;) {\n array[i] =
obj[i];\n }\n\n return array;\n}\n\nfunction classArray(node) {\n if (node.classList) {\n return
toArray(node.classList);\n } else {\n return (node.getAttribute('class') || '').split(' ').filter(function (i) {\n
return
i;\n });\n }\n}\n\nfunction getIconName(familyPrefix, cls) {\n var parts = cls.split('-');\n var prefix = parts[0];\n
var iconName = parts.slice(1).join('-');\n\n if (prefix === familyPrefix && iconName !== '' &&
!isReserved(iconName)) {\n return iconName;\n } else {\n return null;\n }\n}\n\nfunction htmlEscape(str) {\n
return ('' + str).replace(/&/g, '&amp;').replace(/\"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g,
'&gt;');\n}\n\nfunction joinAttributes(attributes) {\n return Object.keys(attributes || {}).reduce(function (acc,
attributeName) {\n return acc + (attributeName + '=\"' + htmlEscape(attributes[attributeName]) + '\" ');\n },
'').trim();\n}\n\nfunction joinStyles(styles) {\n return Object.keys(styles || {}).reduce(function (acc, styleName) {\n
return acc + (styleName + ': ' + styles[styleName] + ';');\n }, '');\n}\n\nfunction transformIsMeaningful(transform)
{\n return transform.size !== meaninglessTransform.size || transform.x !== meaninglessTransform.x || transform.y
!== meaninglessTransform.y || transform.rotate !== meaninglessTransform.rotate || transform.flipX ||
transform.flipY;\n}\n\nfunction transformForSvg(_ref) {\n var transform = _ref.transform,\n
containerWidth =
_ref.containerWidth,\n
iconWidth = _ref.iconWidth;\n\n var outer = {\n transform: 'translate(' +
containerWidth / 2 + ' 256)'\n };\n var innerTranslate = 'translate(' + transform.x * 32 + ', ' + transform.y * 32 + ')
';\n var innerScale = 'scale(' + transform.size / 16 * (transform.flipX ? -1 : 1) + ', ' + transform.size / 16 *
(transform.flipY ? -1 : 1) + ') ';\n var innerRotate = 'rotate(' + transform.rotate + ' 0 0)';\n var inner = {\n
transform: innerTranslate + ' ' + innerScale + ' ' + innerRotate\n };\n var path = {\n transform: 'translate(' +
iconWidth / 2 * -1 + ' -256)'\n };\n return {\n outer: outer,\n inner: inner,\n path: path\n };\n}\n\nfunction
transformForCss(_ref2) {\n var transform = _ref2.transform,\n
_ref2$width = _ref2.width,\n
width =
_ref2$width === undefined ? UNITS_IN_GRID : _ref2$width,\n
_ref2$height = _ref2.height,\n
height =
_ref2$height === undefined ? UNITS_IN_GRID : _ref2$height,\n
_ref2$startCentered = _ref2.startCentered,\n
startCentered = _ref2$startCentered === undefined ? false : _ref2$startCentered;\n\n var val = '';\n\n if
(startCentered && IS_IE) {\n val += 'translate(' + (transform.x / d - width / 2) + 'em, ' + (transform.y / d - height /
2) + 'em) ';\n } else if (startCentered) {\n val += 'translate(calc(-50% + ' + transform.x / d + 'em), calc(-50% + ' +
transform.y / d + 'em)) ';\n } else {\n val += 'translate(' + transform.x / d + 'em, ' + transform.y / d + 'em) ';\n }\n\n
val += 'scale(' + transform.size / d * (transform.flipX ? -1 : 1) + ', ' + transform.size / d * (transform.flipY ? -1 : 1) +
') ';\n val += 'rotate(' + transform.rotate + 'deg) ';\n\n return val;\n}\n\nvar ALL_SPACE = {\n x: 0,\n y: 0,\n
width: '100%',\n height: '100%'\n};\n\nvar makeIconMasking = function (_ref) {\n var children = _ref.children,\n
attributes = _ref.attributes,\n
main = _ref.main,\n
mask = _ref.mask,\n
transform = _ref.transform;\n var
mainWidth = main.width,\n
mainPath = main.icon;\n var maskWidth = mask.width,\n
maskPath =
mask.icon;\n\n\n var trans = transformForSvg({ transform: transform, containerWidth: maskWidth, iconWidth:
mainWidth });\n\n var maskRect = {\n tag: 'rect',\n attributes: _extends({}, ALL_SPACE, {\n
fill: 'white'\n
})\n };\n var maskInnerGroup = {\n tag: 'g',\n attributes: _extends({}, trans.inner),\n children: [{ tag: 'path',
attributes: _extends({}, mainPath.attributes, trans.path, { fill: 'black' }) }]\n };\n var maskOuterGroup = {\n tag:
'g',\n attributes: _extends({}, trans.outer),\n children: [maskInnerGroup]\n };\n var maskId = 'mask-' +
nextUniqueId();\n var clipId = 'clip-' + nextUniqueId();\n var maskTag = {\n tag: 'mask',\n attributes:
_extends({}, ALL_SPACE, {\n
id: maskId,\n
maskUnits: 'userSpaceOnUse',\n
maskContentUnits:
'userSpaceOnUse'\n }),\n children: [maskRect, maskOuterGroup]\n };\n var defs = {\n tag: 'defs',\n
tag: 'rect', attributes: _extends({ fill: 'currentColor', 'clip-path': 'url(#' + clipId + ')', mask: 'url(#' + maskId + ')' },
ALL_SPACE) });\n\n return {\n children: children,\n attributes: attributes\n };\n};\n\nvar makeIconStandard =
function (_ref) {\n var children = _ref.children,\n
attributes = _ref.attributes,\n
main = _ref.main,\n

Open Source Used In APIC-SE-BATMAN v2.0.1 19703


Open Source Used In APIC-SE-BATMAN v2.0.1

```javascript
if (node.parentNode && node.outterHTML) { 
  node.outterHTML = newOuterHTML + 
  (config.keepOriginalSource &
   node.tagName.toLowerCase() !== 'svg' ? '<' + node.outterHTML + ' ' + node.outerHTML + ' ' : ' '); 
}

if (node.parentNode) 
  var newNode = document.createElement('span');

node.parentNode.replaceChild(newNode, node);
newNode.outterHTML = newOuterHTML;

if (node.tagName.toLowerCase() !== 'svg')
  node.setAttribute('class', splitClasses.toNode.join(' '));

var newInnerHTML = abstract.map(function (a) {
  return toHtml(a);
}).join('\n');
node.setAttribute('class', splitClasses.toNode.join(' '));
node.setAttribute(DATA_FA_I2SVG, '');
node.innerHTML = newInnerHTML;
```

```javascript
function perform(mutations, callback) {
  var callbackFunction = typeof callback === 'function' ? callback : noop$1;

  if (mutations.length === 0) {
    callbackFunction();
  } else {
    var frame = WINDOW.requestAnimationFrame || function (op) {
      return op();
    };

    frame(function () {
      var mutator = getMutator();
      var mark = perf.begin('mutate');

      mutations.map(mutator);

      mark();

      callbackFunction();
    });
  }
}

var disabled = false;

function disableObservation(operation) {
  disabled = true;
  operation();
  disabled = false;
}

var mo = null;

function observe(options) {
  if (!MUTATION_OBSERVER) {
    return;
  }

  if (config.observeMutations) {
    return;
  }

  var treeCallback = options.treeCallback,
      nodeCallback = options.nodeCallback,
      pseudoElementsCallback = options.pseudoElementsCallback,
      _options$observeMutat = options.observeMutationsRoot,

  observeMutationsRoot = _options$observeMutat === undefined ? DOCUMENT.body : _options$observeMutat;

  if (!IS_DOM) return;

  mo.observe(observeMutationsRoot, {
    childList: true, attributes: true, characterData: true, subtree: true
  });
}

function disconnect() {
  if (!mo) return;

  mo.disconnect();
}

var styleParser = function (node) {
  var style = node.getAttribute('style');

  var val = [];

  if (style) {
    val = style.split(':').reduce(function (acc, style) {
      var styles = style.split(':');
      var prop = styles[0];
      var value = styles.slice(1);

      if (prop && value.length > 0) {
        acc[prop] = value.join(':').trim();
      }
    }, {}); 

    return val;
  }

  return val;
}

function toHex(unicode) {
  var result = '';

  for (var i = 0; i < unicode.length; i++) {
    var hex = unicode.charCodeAt(i).toString(16);
    result += ('0000' + hex).slice(-4);
  }

  return result;
}

var classParser = function (node) {
  var existingPrefix = node.getAttribute('data-prefix');
  var existingIconName = node.getAttribute('data-icon');
  var innerText = node.innerText !== undefined ? node.innerText.trim() : '';

  var val = getCanonicalIcon(classArray(node));

  if (existingPrefix && existingIconName) {
    val.prefix = existingPrefix;
    val.iconName = existingIconName;
  }

  if (val.prefix && innerText.length > 1) {
    node.setAttribute('data-prefix', val.prefix);
    node.setAttribute('data-icon', val.iconName);
  }

  node.innerHTML = abstract.map(function (a) {
    return toHtml(a);
  }).join('');

  if (node.tagName.toLowerCase() !== 'svg')
    node.setAttribute('class', splitClasses.toNode.join(' '));

  var newInnerHTML = abstract.map(function (a) {
    return toHtml(a);
  }).join('\n');

  node.setAttribute('class', splitClasses.toNode.join(' '));

  node.setAttribute(DATA_FA_I2SVG, '');
  node.innerHTML = newInnerHTML;
}
```

val.iconName = byLigature(val.prefix, node.innerText); } else if (val.prefix &amp; &amp; innerText.length === 1) {
  "val.iconName = byUnicode(val.prefix, toHex(node.innerText));"
} else
  "val.iconName = byLigature(val.prefix, node.innerText);
"
if (!transformation) {
  "val.iconName = byUnicode(val.prefix, toHex(node.innerText));"
} else
  "val.iconName = byUnicode(val.prefix, toHex(node.innerText));"
}

var parseTransformString = function parseTransformString(transformString) {
  var transform = {
    size: 16,
    x: 0,
    y: 0,
    flipX: false,
    flipY: false,
    rotate: 0
  };

  if (transformString)
    transform = parseTransformString(node.getAttribute('data-fa-transform'));

  var symbol = node.getAttribute('data-fa-symbol');

  if (symbol)
    extraClasses.push(symbol);

  transformParser(node);

  return {
    iconName: iconName,
    title: node.getAttribute('title'),
    prefix: prefix,
    transform: transform,
    symbol: symbol,
    mask: mask
  };
}

var transformParser = function (node) {
  return parseTransformString(node.getAttribute('data-fa-transform'));
};

var symbolParser = function (node) {
  var symbol = node.getAttribute('data-fa-symbol');

  return symbol === null ? false : symbol === '' ? true : symbol;
};

var attributesParser = function (node) {
  var extraAttributes = toArray(node.attributes).reduce(function (acc, attr) {
    if (acc.name !== 'class' && acc.name !== 'style') {
      acc[acc.name] = attr.value;
    }
    return acc;
  }, {});

  var title = node.getAttribute('title');

  if (config.autoA11y)
    if (title)
      extraAttributes['aria-labelledby'] = config.replacementClass + '-' + nextUniqueId();
    else
      extraAttributes['aria-hidden'] = 'true';

  return extraAttributes;
};

var maskParser = function (node) {
  var mask = node.getAttribute('data-fa-mask');

  if (mask)
    return getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    }));

  return emptyCanonicalIcon();
};

var blankMeta = {
  iconName: null,
  title: null,
  prefix: null,
  transform: meaninglessTransform,
  symbol: false,
  mask: null,
  extra: { classes: [], styles: {}, attributes: {} }
};

function parseMeta(node) {
  var _classParser = classParser(node),
      iconName = _classParser.iconName,
      prefix = _classParser.prefix,
      extraClasses = _classParser.rest;

  var extraStyles = styleParser(node);
  var transform = transformParser(node);
  var symbol = symbolParser(node);

  var extraAttributes = attributesParser(node);
  var mask = maskParser(node);

  return {
    iconName: iconName,
    title: node.getAttribute('title'),
    prefix: prefix,
    transform: transform,
    symbol: symbol,
    mask: mask,
    extra: { classes: extraClasses, styles: extraStyles, attributes: extraAttributes };
  };
}

function MissingIcon(error) {
  this.name = 'MissingIcon';
  this.message = error || 'Icon unavailable';
  this.stack = new Error().stack;
}

function ANIMATION_BASE = {
  attributeType: 'XML',
  dur: '2s'
};

var M156.5,447.7l=12.6,29.5c=-18.7-9.5-35.9-21.2-51.5-34.9l=22.7-22.7C=127.6,430.5,141.5,440,156.5,447.7m=40.6,272H=8.5 c=1.4,21.2,5.4,41.7,11.7,61.1L=50,321.2C=45.1,305.5,41.8,289,40.6,272m=40.6,240c=1.4,8.5,5-37,11.7-54.1L=69.7,92.3c=7.8,14.9,17.2,29.4,46.l=30.1,9.9,39.8,22.6,56.9,272C=470,128.5,457.3,109.4,442.3z M=397,419.6c=12,13.9,22.3,29.4,46.1,30.1,9.9,39.8,22.6,56.9,272C=470,128.5,457.3,109.4,442.3z
family').match(FONT_FAMILY_PATTERN);
    var fontWeight = styles.getPropertyValue('font-weight');

    if (alreadyProcessedPseudoElement && !fontFamily) {
      // If we've already processed it but the current
      // computed style does not result in a font-family,
      // that probably means that a class name that was previously
      // present to make the icon hasn't
      // removed. So we now should delete the icon.
      node.removeChild(alreadyProcessedPseudoElement);
    } else if (fontFamily) {
      var content = styles.getPropertyValue('content');
      var prefix = ~['Light', 'Regular', 'Solid', 'Brands'].indexOf(fontFamily[1]) ? FONT_WEIGHT_TO_PREFIX[fontWeight] : byUnicode(prefix, toHex(content.length === 3 ? content.substr(1, 1) : content));

      // Only convert the pseudo
      // element in this :before/after position into an icon if we haven't
      // already done so with the same prefix and
      iconName

      if (!alreadyProcessedPseudoElement ||
        alreadyProcessedPseudoElement.getAttribute(DATA_PREFIX) !== prefix ||
        alreadyProcessedPseudoElement.getAttribute(DATA_ICON) !== iconName) {
        if (alreadyProcessedPseudoElement) {
          // Delete the old one, since we're replacing it with a new one
          node.removeChild(alreadyProcessedPseudoElement);
        }

        var extra = blankMeta.extra;

        extra.attributes[DATA_FA_PSEUDO_ELEMENT] = pos;

        var abstract =
          DOCUMENT.createElement('svg');

        if (pos === ':before') {
          node.insertBefore(element, node.firstChild);
        } else {
          node.appendChild(element);
        }

        element.innerHTML = abstract.map(function (a) {
          return toHtml(a);
        }).join('\n');
      }
    }
  });
}

function onTree(root) {

  if (!IS_DOM) return;

  var htmlClassList = DOCUMENT.documentElement.classList;
  var hclAdd = function hclAdd(suffix) {
    return htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + '-' + suffix);
  };
  var hclRemove = function hclRemove(suffix) {
    return htmlClassList.remove(HTML_CLASS_I2SVG_BASE_CLASS + '-' + suffix);
  };

  var prefixes = Object.keys(styles);
  var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not([' + DATA_FA_I2SVG + '])'].concat(prefixes.map(function (p) {
    return '.' + p + ':not([' + DATA_FA_I2SVG + '])';
  })).join(', ');

  if (prefixesDomQuery.length === 0) {
    return;
  }

  var candidates = toArray(root.querySelectorAll(prefixesDomQuery));

  if (candidates.length > 0) {
    hclAdd('pending');
    hclRemove('complete');
  } else {
    return;
  }

  var mark = perf.begin('onTree');

  var mutations = candidates.reduce(function (acc, node) {
    try {
      var mutation = generateMutation(node);

      if (mutation)
        acc.push(mutation);
    } catch (e) {
      if (PRODUCTION) {
        if (e instanceof MissingIcon)
          console.error(e);
      }
    }

    return acc;
  }, []);

  mark();

  perform(mutations,
    function () {
      hclAdd('active');
      hclAdd('complete');
      hclRemove('pending');

      if (typeof callback === 'function')
        callback();
    });
}

function onNode(node) {

  var mutation = generateMutation(node);

  if (mutation)
    perform([mutation], callback);
}

var baseStyles = "svg:not(:root).svg-inline--fa {\n  overflow: visible; }\nsvg-inline--fa { \n  display: inline-block; font-size: inherit; height: 1em; overflow: visible; vertical-align: -125%; color: #727272; font-weight: 400; text-rendering: auto; -moz-osx-font-smoothing: grayscale; transform: translate(0, 0); }\n  .svg-inline--fa { \n    width: 1em; \n    height: 1em; \n    padding: 0.25em; \n    line-height: 1; \n    display: inline-block; \n    vertical-align: middle; \n    -webkit-font-smoothing: antialiased; \n    -moz-osx-font-smoothing: grayscale; \n    -moz-user-select: none; \n    -khtml-user-select: none; \n    -webkit-user-select: none; \n    user-select: none; \n    font-family: "Font Awesome 5 Free"; \n    font-weight: 900; \n    box-sizing: border-box; \n    position: relative; }\n  .svg-inline--fa.fa-w-1 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-2 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-3 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-4 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-5 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-6 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-7 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-8 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-9 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-10 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-11 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-12 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-13 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-14 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-15 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-16 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-17 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-18 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-19 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-20 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-21 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-22 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-23 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-24 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-25 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-26 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-27 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-28 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-29 {\n    width: 1em; \n  }\n  .svg-inline--fa.fa-w-30 {\n    width: 1em; \n  }
";
var noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;
  disconnect();
}

var icon = resolveIcons(function (iconDefinition, params) {
  var _params$transform = params.transform,
      transform = _params$transform === undefined ? meaninglessTransform : _params$transform,
      _params$symbol = params.symbol,
      symbol = _params$symbol === undefined ? false : _params$symbol,
      _params$mask = params.mask,
      mask = _params$mask === undefined ? null : _params$mask,
      _params$title = params.title,
      title = _params$title === undefined ? null : _params$title,
      _params$classes = params.classes,
      classes = _params$classes === undefined ? [] : _params$classes,
      _params$attributes = params.attributes,
      attributes = _params$attributes === undefined ? {} : _params$attributes,
      _params$styles = params.styles,
      styles = _params$styles === undefined ? {} : _params$styles,
      _params$snode = params.node,
      node = _params$snode === undefined ? null : _params$snode,
      _params$node = params.node,
      node = _params$node === undefined ? null : _params$node,
    return next(iconDefinition, _extends({}, params, { mask: title }));
},

var library = new Library();

library.noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;
  disconnect();
}

library.scssInserted = false;

var dom = {
  i2svg: function i2svg() {
    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}

var library = new Library();

var noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;
  disconnect();
}

var cssInserted = false;

var root = {
  i2svg: function i2svg() {
    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}

var library = new Library();

var noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;
  disconnect();
}

var cssInserted = false;

var root = {
  i2svg: function i2svg() {
    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}

var library = new Library();

var noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;
  disconnect();
}

var cssInserted = false;

var root = {
  i2svg: function i2svg() {
    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}
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```javascript
  return apiObject({ type: 'counter', content: content }, function () {
    ensureCss();

    return

    makeLayersCounterAbstract({
      content: content, toString(),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config.familyPrefix + '-layers-counter'],
      }
    });
  });

var layer = function layer(assembler) {
  return apiObject({ type: 'layer', attributes: attributes, styles: styles, classes: [config.familyPrefix + '-layers'] }, function () {
    ensureCss();

    var children = [];

    assembler(function (args) {
      Array.isArray(args) ? args.map(function (a) {
        children = children.concat(a.abstract);
      }) :

      children = children.concat(args.abstract);
    });

    return [{
      tag: 'span',
      attributes: { class: config.familyPrefix + '-layers' },
      children: children
    }];
  });

var autoReplace = function autoReplace() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  var _params$autoReplaceSv = params.autoReplaceSvgRoot,
      autoReplaceSvgRoot = _params$autoReplaceSv === undefined ? DOCUMENT : _params$autoReplaceSv; // Used to detect unsigned integer values. */

  if (Object.keys(namespace.styles).length > 0 && IS_DOM && config.autoReplaceSvg) api.dom.i2svg({ node: autoReplaceSvgRoot });

  module.exports = isIndex;

  var baseSetToString = require('./_baseSetToString'),
      shortOut = require('./_shortOut');

  /**
   * Sets the `toString` method of `func` to return `string`.
   *
   * @private
   * @param {Function} func The function to modify.
   * @param {Function} string The `toString` result.
   * @returns {Function} Returns `func`.
   */
  var setToString = shortOut(baseSetToString);

  module.exports = setToString;

  // false -> Array#indexOf
  // true  -> Array#includes
  var toIObject = require('./_to-iobject');
  var toLength = require('./_to-length');
  var toAbsoluteIndex = require('./_to-absolute-index');

  module.exports = function (IS_INCLUDES) {
    return function ($this, el, fromIndex) {
      var O = toIObject($this);
      var length = toLength(O.length);
      var index = toAbsoluteIndex(fromIndex, length);
      var value;

      // Array#includes uses SameValueZero equality algorithm
      // eslint-disable-next-line no-self-compare
      if (IS_INCLUDES && el != el) while (length > index) {
        value = O[index++];
        // eslint-disable-next-line no-self-compare
        if (value != value) return true;
      // // Array#indexOf ignores holes, Array#includes - not
      } else for (;length > index; index++) if (IS_INCLUDES && O[index] === el) return IS_INCLUDES; // eslint-disable-next-line no-self-compare
      if (value != value) return false;
      // // Array#indexOfOf ignores holes, Array#includes - not O[index] !== O[0] ? el :
      while (length > index) {
        var value = O[index++];
      // // eslint-disable-next-line no-self-compare
      if (value != value) return true;
    // return IS_INCLUDES || (IS_INCLUDES[index in O] && O[index] !== el); return IS_INCLUDES;
    // if (IS_INCLUDEDS && el != el) while (length > index) {
      return IS_INCLUDEDS || 
    // if (IS_INCLUDEDS && el != el) return IS_INCLUDEDS; // eslint-disable-next-line no-self-compare
    return !IS_INCLUDEDS && &-1:1;}
  });

  exports.definition = {
    prefix: 'fas',
    iconName: 'share-alt',
    icon: {
      width: 448,
      height: 512,
      ligatures: []
    },
    unicode: 'f1e0',
    svgPathData: 'M352 320c-22.608 0-43.387 7.819-59.79 20.895l-102.486-64.054
```
check.

* @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.

\n
```javascript
function cacheHas(cache, key) {
  return cache.has(key);
}
```

```
module.exports = cacheHas;
```

```
"use strict";
```

```
var arrayReduce = require('./_arrayReduce'),
    baseEach = require('./_baseEach'),
    baseIteratee = require('./_baseIteratee'),
```

```
baseReduce = require('./_baseReduce'),
    isArray = require('./isArray');
```

```
/**
 * Reduces `collection` to a value which is the accumulated result of running
 * each element in `collection` thru `iteratee`, where each successive
 * invocation is supplied the return value of the previous. If
 * `accumulator` is not given, the first element of
 * `collection` is used as the initial value. The iteratee is invoked with
 * four arguments: `accumulator` (accumulator, value, index, collection).
 * `collection` can be an array, object, function, or string (to
 * be treated as an array).
 * The iteratee is passed an accumulator, each value from the
 * `collection` (either a property value for an object or its
 * index or its position in the array for arrays), and the index
 * of each value (or its position in the array). The iteratee
 * is expected to return the accumulated value.
 * The iteratee can also return `false`, which…
 **
```
function reduce(collection, iteratee, accumulator)
```

```
{
  return
}
```

```
var proto = $Number.prototype;
```

```
// 7.1.3 ToNumber(argument)
var toNumber = function (argument) {
  var it = toPrimitive(argument, false);
  if (typeof it == 'string' && it.length > 2) {
    var first = it.charCodeAt(0);
    var third, radix, maxCode;
    if (first === 43 || first === 45) {
      third = it.charCodeAt(2);
      if (third === 88 || third === 120) return NaN;
    } else if (first === 48) {
      switch (it.charCodeAt(1)) {
        case 66: case 98: radix = 2; maxCode = 49; break;
        case 79: case 111: radix = 8; maxCode = 55; break;
        default: return +it;
      }
      for (var digits = it.slice(2), i = 0, l = digits.length, code; i < l; i++) {
        code = digits.charCodeAt(i);
        if (code < 48 || code > maxCode) return NaN;
      }
```

```
  return +it;
};
```

```
if (!$Number(' 0o1') || !$Number('0b1') || $Number('+0x1')) {
  $Number = function Number(value) {
    var it = arguments.length < 1 ? 0 : value;
    var that = this;
    return that instanceof $Number
```

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```
assocIndexOf

```javascript
function assocIndexOf(array, key) {
  var length = array.length;
  while (length--) {
    if (eq(array[length][0], key)) {
      return length;
    }
  }
  return -1;
}
```

The `assocIndexOf` function searches for the given value in an array of key-value pairs. It returns the index of the matched value, else `-1`. The function is deeply illustrated with various comments explaining each step. The function is a part of the Open Source used in APIC-SE-BATMAN v2.0.1 module.

To provide a broader context, the module is part of a larger framework that handles various array operations, including sorting, searching, and other utility methods. This document is a part of a larger collection that aims to provide insights into the workings of these utilities, particularly focusing on the `assocIndexOf` method, which is used to find a value in an array of key-value pairs efficiently.

The framework also includes methods like `sortBy`, `orderBy`, and others, each designed to handle different sorting scenarios. For instance, `sortBy` sorts an array based on a specified property, while `orderBy` sorts it based on a comparison function.

In conclusion, this module is a critical component of the APIC-SE-BATMAN v2.0.1 framework, offering a robust solution for array manipulation tasks, particularly in scenarios requiring efficient search and sort operations.
by @fortawesome - https://fortawesome.com

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Fonts: SIL OFL 1.1, Code: MIT License)

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Fonts: SIL OFL 1.1, Code: MIT License)

*/
var noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
}

var _ref = _WINDOW.navigator || {};
var _ref$userAgent = _ref.userAgent;

var userAgent = _ref$userAgent === undefined ? '' : _ref$userAgent;

var WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
var IS_BROWSER = !!WINDOW.document;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function' && typeof DOCUMENT.createElement === 'function';
var IS_IE = userAgent.indexOf('MSIE') !== -1 || userAgent.indexOf('Trident/') !== -1;

var NAMESPACE_IDENTIFIER = '___FONT_AWESOME___';
var UNITS_IN_GRID = 16;
var DEFAULT_FAMILY_PREFIX = 'fa';
var DEFAULT_REPLACEMENT_CLASS = 'svg-inline--fa';
var DATA_FA_I2SVG = 'data-fa-i2svg';
var DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';
var HTML_CLASS_I2SVG_BASE_CLASS = 'fontawesome-i2svg';
var PRODUCTION = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
}();

var oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
var oneToTwenty = oneToTen.concat([11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);

var ATTRIBUTES_WATCHED_FOR_MUTATION = ['class', 'data-prefix', 'data-icon', 'data-fa-transform', 'data-fa-mask'];
var RESERVED_CLASSES = ['xs', 'sm', 'lg', 'fw', 'ul', 'li', 'border', 'pull-left', 'pull-right', 'spin', 'pulse', 'rotate-90', 'rotate-180', 'rotate-270', 'flip-horizontal', 'flip-vertical', 'stack', 'stack-1x', 'stack-2x', 'inverse', 'layers', 'layers-text', 'layers-counter'];

var classCallCheck = function (instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError("Cannot call a class as a function");
  }
};

var createClass = (function () {
  function defineProperties(target, props) {
    for (var i = 0; i < props.length; i++) {
      var descriptor = props[i];
      descriptor.enumerable = descriptor.enumerable || false;
      descriptor.configurable = true;
      if ("value" in descriptor) descriptor.writable = true;
      Object.defineProperty(target, descriptor.key, descriptor);
    }
  }

  return function (Constructor, protoProps, staticProps) {
    if (protoProps) defineProperties(Constructor.prototype, protoProps);
    if (staticProps) defineProperties(Constructor, staticProps);
    return Constructor;
  };
}());

var toConsumableArray = function (arr) {
  if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i];
    return arr2;
  } else {
    return Object.values(arr);
  }
};

var initial = WINDOW.FontAwesomeConfig || {};
var initialKeys = Object.keys(initial);

var _default = _extends({
  familyPrefix: DEFAULT_FAMILY_PREFIX,
  replacementClass: DEFAULT_REPLACEMENT_CLASS,
  autoReplaceSvg: true,
  autoAddCss: true,
  autoA11y: true,
  searchPseudoElements: false,
  observeMutations: true,
  keepOriginalSource: true,
  measurePerformance: false,
  showMissingIcons: true,
}, initial);

var config$1 = _extends({}, _default);

WINDOW.FontAwesomeConfig = config$1;

function update(newConfig) {
  var _params$asNewDefault = params.asNewDefault,
      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config$1);
  var ok = function (configKey) {
    return !~validKeys.indexOf(configKey);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey))
      config$1[configKey] = newConfig[configKey];
  });
  update({'autoReplaceSvg': value

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observeMutations: value
});

var w = WINDOW || {}; if (w[NAMESPACE_IDENTIFIER])

w[NAMESPACE_IDENTIFIER] = {}; if (w[NAMESPACE_IDENTIFIER].styles)

w[NAMESPACE_IDENTIFIER].styles = {}; if (w[NAMESPACE_IDENTIFIER].hooks)

w[NAMESPACE_IDENTIFIER].hooks = {}; if (w[NAMESPACE_IDENTIFIER].shims)

w[NAMESPACE_IDENTIFIER].shims = [];

var namespace = w[NAMESPACE_IDENTIFIER];

var functions = [];

var listener = function listener() {
  DOCUMENT.removeEventListener('DOMContentLoaded', listener);
  loaded = 1;
  functions.map(function (fn) {
    return fn();
  });
};

var loaded = false;

if (IS_DOM) {
  loaded = (DOCUMENT.documentElement.doScroll ? /^loaded|^c/ : /^loaded|^i|^c/).test(DOCUMENT.readyState);
}

var domready = function (fn) {
  if (!IS_DOM) return;
  loaded ? setTimeout(fn, 0) : functions.push(fn);
}

var d = UNITS_IN_GRID;

var meaninglessTransform = {
  size: 16,
  x: 0,
  y: 0,
  rotate: 0,
  flipX: false,
  flipY: false
};

function isReserved(name) {
  return ~RESERVED_CLASSES.indexOf(name);
}

function bunker(fn) {
  try {
    fn();
  } catch (e) {
    if (!PRODUCTION) {
      throw e;
    }
  }
}

function insertCss(css) {
  if (!css || !IS_DOM) {
    return;
  }

  var style = DOCUMENT.createElement('style');
  style.setAttribute('type', 'text/css');
  style.innerHTML = css;

  var headChildren = DOCUMENT.head.childNodes;
  var beforeChild = null;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || '').toUpperCase();
    if (['STYLE', 'LINK'].indexOf(tagName) > -1) {
      beforeChild = child;
      break;
    }
  }

  DOCUMENT.head.insertBefore(style, beforeChild);

  return css;
}

var _uniqueId = 0;

function nextUniqueId() {
  _uniqueId++;

  return _uniqueId;
}

function toArray(obj) {
  var array = [];

  for (var i = (obj || []).length >>> 0; i--;) {
    array[i] = obj[i];
  }

  return array;
}

function classArray(node) {
  if (node.classList) {
    return toArray(node.classList);
  } else {
    return (node.getAttribute('class') || '').split(' ').filter(function (i) {
      return i;
    });
  }
}

function getIconName(familyPrefix, cls) {
  var parts = cls.split('-');
  var prefix = parts[0];
  var iconName = parts.slice(1).join('-');

  if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
    return iconName;
  } else {
    return null;
  }
}

function htmlEscape(str) {
  return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return acc + (attributeName + '="' + htmlEscape(attributes[attributeName]) + '" ');
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return acc + (styleName + ': ' + styles[styleName] + ';');
  }, '');
}

function transformIsMeaningful(transform) {
  return transform.size !== meaninglessTransform.size || transform.x !== meaninglessTransform.x || transform.y !== meaninglessTransform.y || transform.rotate !== meaninglessTransform.rotate || transform.flipX || transform.flipY;
}

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {
    transform: 'translate(' + containerWidth / 2 + ' 256)'
  };
  var innerTranslate = 'translate(' + transform.x * 32 + ', ' + transform.y * 32 + ')';


  var innerRotate = 'rotate(' + transform.rotate + ' 0 0)';

  var inner = {
    transform: innerTranslate + ' ' + innerScale + ' ' + innerRotate
  };

  var path = {
    transform: 'translate(' + iconWidth / 2 + ' 0)'
  };

  return {
    outer: outer,
    inner: inner,
    path: path
  };
}

function transformForCss(_ref2) {
  var transform = _ref2.transform,
      width = _ref2.width,
      height = _ref2.height;

  var transform = transform.split('(')
    .map(function (i) {
      return i.replace(')', '');
    }).join(' ');

  var transform = transform.replace(/\s+/g, ' ');

  var transform = transform.replace(/\s*/\s*/g, ' ');

  var transform = transform + ' ' + transformForSvg(_ref2);
') ';\n val += 'rotate(' + transform.rotate + 'deg) ';\n\n return val;\n}\n\nvar ALL_SPACE = {\n x: 0,\n y: 0,\n
width: '100%',\n height: '100%'\n};\n\nvar makeIconMasking = function (_ref) {\n var children = _ref.children,\n
attributes = _ref.attributes,\n
main = _ref.main,\n
mask = _ref.mask,\n
transform = _ref.transform;\n var
mainWidth = main.width,\n
mainPath = main.icon;\n var maskWidth = mask.width,\n
maskPath =
mask.icon;\n\n\n var trans = transformForSvg({ transform: transform, containerWidth: maskWidth, iconWidth:
mainWidth });\n\n var maskRect = {\n tag: 'rect',\n attributes: _extends({}, ALL_SPACE, {\n
fill: 'white'\n
})\n };\n var maskInnerGroup = {\n tag: 'g',\n attributes: _extends({}, trans.inner),\n children: [{ tag: 'path',
attributes: _extends({}, mainPath.attributes, trans.path, { fill: 'black' }) }]\n };\n var maskOuterGroup = {\n tag:
'g',\n attributes: _extends({}, trans.outer),\n children: [maskInnerGroup]\n };\n var maskId = 'mask-' +
nextUniqueId();\n var clipId = 'clip-' + nextUniqueId();\n var maskTag = {\n tag: 'mask',\n attributes:
_extends({}, ALL_SPACE, {\n
id: maskId,\n
maskUnits: 'userSpaceOnUse',\n
maskContentUnits:
'userSpaceOnUse'\n }),\n children: [maskRect, maskOuterGroup]\n };\n var defs = {\n tag: 'defs',\n
tag: 'rect', attributes: _extends({ fill: 'currentColor', 'clip-path': 'url(#' + clipId + ')', mask: 'url(#' + maskId + ')' },
ALL_SPACE) });\n\n return {\n children: children,\n attributes: attributes\n };\n};\n\nvar makeIconStandard =
function (_ref) {\n var children = _ref.children,\n
attributes = _ref.attributes,\n
main = _ref.main,\n
transform = _ref.transform,\n
styles = _ref.styles;\n\n var styleString = joinStyles(styles);\n\n if
(styleString.length > 0) {\n attributes['style'] = styleString;\n }\n\n if (transformIsMeaningful(transform)) {\n
var trans = transformForSvg({ transform: transform, containerWidth: main.width, iconWidth: main.width });\n
children.push({\n
tag: 'g',\n
attributes: _extends({}, trans.outer),\n
children: [{\n
tag: 'g',\n
attributes: _extends({}, trans.inner),\n
children: [{\n
tag: main.icon.tag,\n
children:
main.icon.children,\n
attributes: _extends({}, main.icon.attributes, trans.path)\n
}]\n
}]\n });\n } else
{\n children.push(main.icon);\n }\n\n return {\n children: children,\n attributes: attributes\n };\n};\n\nvar
asIcon = function (_ref) {\n var children = _ref.children,\n
main = _ref.main,\n
mask = _ref.mask,\n
attributes = _ref.attributes,\n
styles = _ref.styles,\n
transform = _ref.transform;\n\n if
(transformIsMeaningful(transform) && main.found && !mask.found) {\n var width = main.width,\n
height =
main.height;\n\n var offset = {\n
x: width / height / 2,\n
y: 0.5\n };\n attributes['style'] =
joinStyles(_extends({}, styles, {\n
'transform-origin': offset.x + transform.x / 16 + 'em ' + (offset.y + transform.y /
16) + 'em'\n }));\n }\n\n return [{\n tag: 'svg',\n attributes: attributes,\n children: children\n }];\n};\n\nvar
asSymbol = function (_ref) {\n var prefix = _ref.prefix,\n
iconName = _ref.iconName,\n
children =
_ref.children,\n
attributes = _ref.attributes,\n
symbol = _ref.symbol;\n\n var id = symbol === true ? prefix + '' + config$1.familyPrefix + '-' + iconName : symbol;\n\n return [{\n tag: 'svg',\n attributes: {\n
style: 'display:
none;'\n },\n children: [{\n
tag: 'symbol',\n
attributes: _extends({}, attributes, { id: id }),\n
children:
children\n }]\n }];\n};\n\nfunction makeInlineSvgAbstract(params) {\n var _params$icons = params.icons,\n
main = _params$icons.main,\n
mask = _params$icons.mask,\n
prefix = params.prefix,\n
iconName =
params.iconName,\n
transform = params.transform,\n
symbol = params.symbol,\n
title = params.title,\n
extra = params.extra,\n
_params$watchable = params.watchable,\n
watchable = _params$watchable ===
undefined ? false : _params$watchable;\n\n var _ref = mask.found ? mask : main,\n
width = _ref.width,\n
height = _ref.height;\n\n var widthClass = 'fa-w-' + Math.ceil(width / height * 16);\n var attrClass =
[config$1.replacementClass, iconName ? config$1.familyPrefix + '-' + iconName : '',
widthClass].concat(extra.classes).join(' ');\n\n var content = {\n children: [],\n attributes: _extends({},
extra.attributes, {\n
'data-prefix': prefix,\n
'data-icon': iconName,\n
'class': attrClass,\n
'role': 'img',\n
'xmlns': 'http://www.w3.org/2000/svg',\n 'viewBox': '0 0 ' + width + ' ' + height\n })\n };\n\n if (watchable) {\n
content.attributes[DATA_FA_I2SVG] = '';\n }\n\n if (title) content.children.push({ tag: 'title', attributes: { id:
content.attributes['aria-labelledby'] || 'title-' + nextUniqueId() }, children: [title] });\n\n var args = _extends({},
content, {\n prefix: prefix,\n iconName: iconName,\n main: main,\n mask: mask,\n transform: transform,\n
symbol: symbol,\n styles: extra.styles\n });\n\n var _ref2 = mask.found && main.found ?
makeIconMasking(args) : makeIconStandard(args),\n
children = _ref2.children,\n
attributes =

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```javascript
function toHtml(abstractNodes) {
  var tag = abstractNodes.tag,
      _abstractNodes$attrib = abstractNodes.attributes,
  attributes = _abstractNodes$attrib === undefined ? {} : _abstractNodes$attrib,
  _abstractNodes$childr = abstractNodes.children,
  children = _abstractNodes$childr === undefined ? [] : _abstractNodes$childr;

  if (typeof abstractNodes === 'string') {
    return htmlEscape(abstractNodes);
  } else {
    return '<' + tag + ' ' + joinAttributes(attributes) + '>' + children.map(toHtml).join('') + '</' + tag + '>
          ;
  }
}

function isWatched(node) {
  var i2svg = node.getAttribute ? node.getAttribute(DATA_FA_I2SVG) : null;
  return typeof i2svg === 'string';
}

function getMutator() {
  if (config$1.autoReplaceSvg === true) {
    return mutators.replace;
  }

  var mutator = mutators[config$1.autoReplaceSvg];

  return mutator || mutators.replace;
}

var mutators = {
  replace: function replace(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];
    var newOuterHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('\n');

    if (node.parentNode && node.outerHTML) {
      node.outerHTML = newOuterHTML + (config$1.keepOriginalSource && node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');
    } else if (node.parentNode) {
      var newNode = document.createElement('span');
      node.parentNode.replaceChild(newNode, node);
      newNode.outerHTML = newOuterHTML;
    }
  },
  nest: function nest(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];

    // If we already have a
    // replaced node we do not want to continue nesting within it.
    if (~classArray(node).indexOf(config$1.replacementClass)) {
      return mutators.replace(mutation);
    }

    var forSvg = new RegExp(config$1.familyPrefix + '.*');

    delete abstract[0].attributes.style;

    var splitClasses = abstract[0].attributes.class.split(' ').reduce(function (acc, cls) {
      if (cls === config$1.replacementClass || cls.match(forSvg)) {
        acc.toSvg.push(cls);
      } else {
        acc.toNode.push(cls);
      }

      return acc;
    }, { toNode: [], toSvg: [] });

    abstract[0].attributes.class = splitClasses.toSvg.join(' ');

    var
      newInnerHTML = abstract.map(function (a) {
        return toHtml(a);
      }).join('\n');
    node.setAttribute('class', splitClasses.toNode.join(' '));
    node.setAttribute(DATA_FA_I2SVG, '');
    node.innerHTML = newInnerHTML;
  }
};

function perform(mutations, callback) {
  var callbackFunction = typeof callback === 'function' ? callback : noop$1;

  if (mutations.length === 0) {
    callbackFunction();
  } else {
    var frame = WINDOW.requestAnimationFrame || function (op) {
      return op();
    };

    frame(function () {
      var
        mutator = getMutator();
        var mark = perf.begin('mutate');
      
      mutations.map(mutator);

      mark();

      callbackFunction();
    });
  }
}

var disabled = false;

function disableObservation(operation) {
  disabled = true;
  operation();
  disabled = false;
}

function observe(options) {
  if (!MUTATION_OBSERVER) return;

  var treeCallback = options.treeCallback,
      nodeCallback = options.nodeCallback,
      pseudoElementsCallback = options.pseudoElementsCallback;

  var node = document.createElement('span');
  node.setAttribute('class', config$1.replacementClass || config$1.familyPrefix);

  var _getCanonicalIcon = getCanonicalIcon(classArray(mutationRecord.target)),
      prefix = _getCanonicalIcon.prefix,
  iconName = _getCanonicalIcon.iconName;

  if (prefix) node.setAttribute('data-prefix', prefix);
  if (iconName) node.setAttribute('data-icon', iconName);

  nodeCallback(node);
}
```

= styles.slice(1);\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n]\n}\n}\n}\n}\n]\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n]\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n]}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n]\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n]\n]\n]\n}\n}\n]\n]\n]\n}\n]\n]\n]}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n]\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n]\n]\n]\n}\n]\n}\n]}\n]\n]}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n]\n}\n]\n}\n]\n}\n]\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n]\n}\n]\n}\n]\n}\n}\n]\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]}\n}\n}\n}\n]\n}\n}\n}\n}\n]\n]\n]\n}\n]\n]\n]}\n}\n}\n}\n]\n}]\n]\n]\n}\n]\n]\n}\n}\n}\n]\n]\n]}\n]\n]\n}\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n]\n}\n]\n}\n]\n}\n}\n}\n}\n}\n]}\n}\n]\n}\n]\n]\n}\n]\n}\n}\n}\n]\n}\n}\n]\n}\n}\n}\n}\n}\n]\n}\n}\n]\n}\n]\n}\n]\n}\n]\n}\n}\n]\n}\n}\n}\n]\n}\n}\n]\n}\n]\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n]\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n]\n]\n}\n}\n}\n}\n]\n]\n}\n}\n]}\n}\n]\n}\n}\n]\n]\n}\n]\n}\n}\n}\n}\n}\n]\n}\n}\n}\n}\n]\n}\n]\n}\n]\n}\n]\n}\n]\n}\n]\n}\n}\n]\n]\n}\n}\n]\n}\n}\n}\n]\n}\n]\n]\n}\n}\n}\n]\n}\n}\n]\n}\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n}\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n}\n]}\n]\n}\n}\n}\n]\n}\n}\n}\n}\n}\n}\n}\n}\n]\n}\n]\n}\n]\n]\n]\n}\n}\n]\n}\n]\n]\n]\n]\n}\n}\n]\n}\n}\n]\n}\n]\n]\n}\n}\n}\n]\n}\n]\n}\n}\n]\n}\n}\n}\n]\n}\n}\n}\n]\n}\n]\n]\n]\n]\n}\n]\n]\n]\n]\n}\n]\n]\n]\n]\n]\n]\n]\n]\n}\n]\n]\n}\n]\n]\n}\n]\n]\n]\n}\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n]\n}\n]]>
family').match(FONT_FAMILY_PATTERN); var children = toArray(node.children); var pseudoElement = children.filter(function (c) { return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) === pos; }); if (pseudoElement) {
  var i = DOCUMENT.createElement('i');
  i.setAttribute('class', '' + STYLE_TO_PREFIX[fontFamily[1]]);
  i.setAttribute(DATA_FA_PSEUDO_ELEMENT, pos);
  i.innerText = content.length === 3 ? content.substr(1, 1) : content;
  if (pos === ':before') {
    node.insertBefore(i, node.firstChild);
  } else {
    node.appendChild(i);
  }
} else {
  node.appendChildPseudoId(i);
}

end();

function onNode(node) {
  var mutation = generateMutation(node);
  if (mutation) {
    perform([mutation], callback);
  }
}

var baseStyles = "svg:not(:root).svg-inline--fa {
  overflow: visible; }
.svg-inline--fa {
  display: inline-block;\n  font-size: inherit;\n  height: 1em;\n  overflow: visible;\n  vertical-align: -.125em; }
.svg-inline--fa-li {
  width: 2em; }
.svg-inline--fa.fa-fw {
  width: 1.25em; }\n.htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + ': ' + suffix);
}

var hclAdd = function hclAdd(suffix) {
  return htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + ' + ' + suffix);
}

var hclRemove = function hclRemove(suffix) {
  return htmlClassList.remove(HTML_CLASS_I2SVG_BASE_CLASS + ' + ' + suffix);
}

var prefixes = Object.keys(styles);
var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not([ DATA_FA_I2SVG ])',].concat(prefixes.map(function (p) {
  return '.' + p + ':not([ DATA_FA_I2SVG ]);'
})).join(', ');

if (prefixesDomQuery.length === 0) {
  return;
}

var candidates = toArray(root.querySelectorAll(prefixesDomQuery));

if (candidates.length > 0) {
  hclAdd('pending');
  hclRemove('complete');
} else {
  return;
}

var mark = perf.begin('onTree');

var mutations = candidates.reduce(function (acc, node) {
  try {
    var mutation = generateMutation(node);
    if (mutation) {
      acc.push(mutation);
    }
  } catch (e) {
    if (!PRODUCTION) {
      if (e instanceof MissingIcon) {
        console.error(e);
      }
    }
  }
  return acc;
}, []);

mark();

perform(mutations, function () {
  hclAdd('active');
  hclAdd('complete');
  hclRemove('pending');

  if (typeof callback === 'function') callback();
});
var s = baseStyles; if (fp !== dfp || re !== drc) { 
  var dPatt = new RegExp('\\.' + dfp + '\-\.', 'g');
  var rPatt = new RegExp('\\.' + drc, 'g');
  s = s.replace(dPatt, '.' + fp + '-').replace(rPatt, '.' + rc);
}

if (typeof namespace.hooks.addPack === 'function') { 
  namespace.hooks.addPack(prefix, normalized);
}

function define(prefix, icons) { 
  var normalized = Object.keys(icons).reduce(function (acc, iconName) { 
    var icon = icons[iconName];
    var expanded = !!icon.icon;
    if (expanded) { 
      acc[icon.iconName] = icon.icon;
    } else { 
      acc[iconName] = icon;
      return acc;
    };
  }, {});
  if (typeof namespace.styles[prefix] === 'function') { 
    namespace.styles[prefix](prefix, normalized);
  } else { 
    namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {});
  }

  /**
   * Font Awesome 4 used the prefix of 'fa' for all icons. With the introduction of new styles we needed to differentiate between them. Prefix 'fa' is now an alias for 'fas' so we'll ease the upgrade process for our users by automatically defining an * for 'fas'
   */
  if (prefix === 'fas') { 
    define('fa', icons);
  }
}

var Library = function () { 
  function Library() { 
    classCallCheck(this, Library);

    this.definitions = {};
  }

 createClass(Library, [ 
    { 
      key: 'add', 
      value: function add() { 
        var _this = this;

        for (var _len = arguments.length, definitions = Array(_len), _key = 0; _key < _len; _key++) { 
          definitions[_key] = arguments[_key];
        }

        var additions = definitions.reduce(this._pullDefinitions, {});

        Object.keys(additions).forEach(function (key) { 
          _this.definitions[key] = _extends({}, _this.definitions[key] || {});
          define(key, additions[key]);
        });
      }
    }, 
    { 
      key: 'reset', 
      value: function reset() { 
        this.definitions = {};
      }
    }, 
    { 
      key: '_pullDefinitions', 
      value: function _pullDefinitions(additions, definition) { 
        var normalized = definition.prefix && definition.iconName && definition.icon ? { 0: definition } : definition;

        Object.keys(normalized).map(function (key) { 
          var _normalized$key = normalized[key], 
              prefix = _normalized$key.prefix, 
              iconName = _normalized$key.iconName, 
              icon = _normalized$key.icon;

          if (!additions[prefix]) { 
            additions[prefix] = {};
          }

          additions[prefix][iconName] = definition;
          if (icon) { 
            var popup = popupForElement(DOCUMENT, definitions[prefix][iconName].icon);
            popup.addEventListener('click', function () { 
              popup.classList.remove('fa');
            });
          }
        });
      }
    }
  ]); 
  return Library;
}();

function prepIcon(icon) { 
  var width = icon[0];
  var height = icon[1];
  var vectorData = icon.slice(4);

  return { 
    found: true,
    width: width,
    height: height,
    icon: { 
      tag: 'path',
      attributes: { 
        fill: 'currentColor',
        d: vectorData[0]
      }
    }
  };
}

var _cssInserted = false;

function ensureCss() { 
  if (!config.autoAddCss) { 
    return;
  }

  if (!_cssInserted) { 
    insertCss(css());
  }

  _cssInserted = true;
}

function apiObject(val, abstractCreator) { 
  Object.defineProperty(val, 'abstract', { 
    get: abstractCreator
  });

  Object.defineProperty(val, 'html', { 
    get: function get() { 
      return val.abstract.map(function (a) { 
        return toHtml(a);
      });
    }
  });

  Object.defineProperty(val, 'node', { 
    get: function get() { 
      if (!IS_DOM) return;

      var container = DOCUMENT.createElement('div');
      container.innerHTML = val.html;
      return container.children;
    }
  });

  return val;
}

function findIconDefinition(params) { 
  var _params$prefix = params.prefix,
      prefix = _params$prefix === undefined ? 'fa' : _params$prefix,
      iconName = params.iconName;

  if (!iconName) return;

  return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
}

function resolveIcons(next) { 
  return function (maybeIconDefinition) { 

    var iconDefinition = (maybeIconDefinition || {}).icon;
    var mask = params.mask;

    if (mask) { 
      var popup = popupForElement(DOCUMENT, maybeIconDefinition.icon);
      popup.addEventListener('click', function () { 
        popup.classList.remove('fa');
      });
    }

    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}

var library = new Library();

var noAuto = function noAuto() { 
  auto(false);
  disconnect();
};

var dom = { 
  i2svg: function i2svg() { 
    var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

    if (IS_DOM) { 
      ensureCss();

      var _params$node = params.node,
          node = _params$node === undefined ? DOCUMENT : _params$node,
          _params$callback = params.callback,
          callback = _params$callback === undefined ? function () { } : _params$callback;

      if (config1.searchPseudoElements) { 
        searchPseudoElements(node);
      }

      onTree(node, callback);
    }
  },

  css: css,

  insertCss: function insertCss$$1() { 
    insertCss(css());
  }
};

var parse = { 
  transform: function transform(transformString) { 
    return parseTransformString(transformString);
  }
};

var icon = resolveIcons(function (iconDefinition) { 

  var popup = popupForElement(DOCUMENT, iconDefinition.icon);
  popup.addEventListener('click', function () { 
    popup.classList.remove('fa');
  });

  return next(iconDefinition, _extends({}, params, { mask: mask }));
});

var _cssInserted = false;
arguments[1] : {}

var __params$transform = params.transform,
transform = __params$transform === undefined ? meaninglessTransform : __params$transform,

symbol = __params$symbol === undefined ? false : __params$symbol,
symbol = __params$symbol === undefined ? null : __params$symbol,
title = __params$title === undefined ? null : __params$title,

classes = __params$classes === undefined ? [] : __params$classes,

attributes = __params$attributes === undefined ? {} : __params$attributes,

styles = __params$styles === undefined ? {} : __params$styles;

if (!iconDefinition) return;

var prefix = iconDefinition.prefix,
iconName = iconDefinition.iconName,
icon = iconDefinition.icon;

return apiObject(_extends({ type: 'icon' }, iconDefinition), function () {
  ensureCss();
  if (config$1.autoA11y) {
    if (title) {
      attributes['aria-labelledby'] = config$1.replacementClass + '-title-' + nextUniqueId();
    } else {
      attributes['aria-hidden'] = 'true';
    }
  }

  return makeInlineSvgAbstract({
    icons: [icon],
    prefix: prefix,
    iconName: iconName,
    classes: __params$classes === undefined ? [] : __params$classes,
    transform: transform,
    title: title,
    styles: styles,
    attributes: attributes,
  });
});

var text = function text(content) {
  var __params$transform2 = params.transform,
  transform = __params$transform2 === undefined ? meaninglessTransform : __params$transform2,
  title = __params$title2 === undefined ? null : __params$title2,
  classes = __params$classes2 === undefined ? [] : __params$classes2,
  attributes = __params$attributes2 === undefined ? {} : __params$attributes2,
  styles = __params$styles2 === undefined ? {} : __params$styles2;

  return apiObject({ type: 'text', content: content }, function () {
    ensureCss();

    return makeLayersTextAbstract({
      content: content,
      transform: transform,
      title: title,
      attributes: attributes,
      classes: [config$1.familyPrefix + '-layers-text'].concat(toConsumableArray(classes)),
    });
  });
};

var layer = function layer(assembler) {
  return apiObject({ type: 'layer' }, function () {
    ensureCss();

    var children = [];

    assembler(function (args) {
      Array.isArray(args) ? args.map(function (a) {
        children = children.concat(a.abstract);
      }) : children = children.concat(args.abstract);
    });

    return [{
      tag: 'span',
      attributes: { class: config$1.familyPrefix + '-layers' },
      children: children
    }]
  });
}

var api$1 = {
  noAuto: noAuto,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  layer: layer
};

var autoReplace = function autoReplace() {
  if (IS_DOM && config$1.autoReplaceSvg) {
    api$1.dom.i2svg({ node: DOCUMENT });
  }
}

function bootstrap() {
  if (IS_BROWSER) {
    if (!WINDOW.FontAwesome) {
      WINDOW.FontAwesome = api$1;
    }

    domready(function () {
      if (Object.keys(namespace.styles).length > 0) {
        autoReplace();
      } else {
        navigator.userAgentData && typeof MutationObserver === 'function' ? navigator.userAgentData.webkitMatchesUserAgent && navigator.userAgentData.msMatchesUserAgent ? function() {
          var doc = document;
          doc.onkeyup = function (event) {
            if (event.keyCode === 38) {
              doc.documentElement.scrollTop -= 1;
            }
            if (event.keyCode === 40) {
              doc.documentElement.scrollTop += 1;
            }
          }
        } : function() {
          var doc = document;
          doc.onclick = function (event) {
            if (event.target.nodeName === 'li') {
              doc.documentElement.scrollTop -= 1;
            }
            if (event.target.nodeName === 'li') {
              doc.documentElement.scrollTop += 1;
            }
          }
        }
      }
    });
  }

  namespace.hooks = _extends({}, namespace.hooks, {

    addPack: function addPack(prefix, icons) {
      namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}), icons;
    }
  });
}

Object.defineProperty(api$1, 'config', {
  get: function get() {
    return config$1;
  },

  set: function set(newConfig) {
    update(newConfig);
  }
});

if (IS_DOM) {
  bunker(bootstrap);
}

var config = api$1.config;

export { config, icon, noAuto, layer, text, library, dom, parse, findIconDefinition, function (a), navigator.userAgentData && typeof MutationObserver === 'function' ? navigator.userAgentData.webkitMatchesUserAgent && navigator.userAgentData.msMatchesUserAgent ? function() {
  var doc = document;
  doc.onkeyup = function (event) {
    if (event.keyCode === 38) {
      doc.documentElement.scrollTop -= 1;
    }
    if (event.keyCode === 40) {
      doc.documentElement.scrollTop += 1;
    }
  }
} : function() {
  var doc = document;
  doc.onclick = function (event) {
    if (event.target.nodeName === 'li') {
      doc.documentElement.scrollTop -= 1;
    }
    if (event.target.nodeName === 'li') {
      doc.documentElement.scrollTop += 1;
    }
  }
}


```javascript
console.log(_.identity(object) === object); // => true

/*
 * // return nullish
 *
 * // Recursively converts values (susceptible to call stack limits).
 * return arrayMap(value, baseToString) + '';
 */

/** *
 * This method returns a new empty array.
 *
 * @static
 * @memberOf _
 * @since 4.13.0
 * @category Util
 * @returns {Array} Returns the new empty array.
 * @example
 *
 * var arrays = _.times(2, _.stubArray);
 *
 * console.log(arrays);
 * // => [[], []]
 *
 * console.log(arrays[0] === arrays[1]); // => false
 */
var stubArray = function() {
  return [
};

module.exports = stubArray;
```

---

This text snippet appears to be a mix of various JavaScript code snippets, possibly extracted from a larger source. Each snippet is a piece of code related to various JavaScript methods and utilities, such as `console.log`, `identity`, `arrayMap`, `baseToString`, `stubArray`, and others. The snippets are likely isolated examples or parts of a larger program, each intended to demonstrate or implement a specific JavaScript feature or behavior.
```javascript
trim(to.split('/'));

  var length = Math.min(fromParts.length, toParts.length);
  var samePartsLength = length;

  for (var i = 0; i < length; i++) {
    if (fromParts[i] !== toParts[i]) {
      samePartsLength = i;
      break;
    }
  }

  var outputParts = [];
  for (var i = samePartsLength; i < fromParts.length; i++) {
    outputParts.push('..');
  }

  outputParts = outputParts.concat(toParts.slice(samePartsLength));

  return outputParts.join('/');
}

exports.sep = '/';
exports.delimiter = ':';

exports.dirname = function(path) {
  var result = splitPath(path),
      root = result[0],
      dir = result[1];

  if (!root && !dir) {
    // No dirname whatsoever
    return '.';
  }

  if (dir) {
    // It has a dirname, strip trailing slash
    dir = dir.substr(0, dir.length - 1);
  }

  return root + dir;
}

exports.basename = function(path, ext) {
  var f = splitPath(path)[2];

  if (ext) {
    // Make this comparison case-insensitive on windows?
    if (f.substr(-1 * ext.length) === ext) {
      f = f.substr(0, f.length - ext.length);
    }
  }

  return f;
}

function filter (xs, f) {
  if (xs.filter) return xs.filter(f);
  var res = [];
  for (var i = 0; i < xs.length; i++) {
    if (f(xs[i], i, xs)) res.push(xs[i]);
  }
  return res;
}

// String.prototype.substr - negative index don't work in IE8
var substr = 'ab'.substr(-1) === 'a'
    ? function (str, start, len) { return str.substr(start, len) }
    : function (str, start, len) {
        if (start < 0) start = str.length + start;
        return str.substr(start, len);
    }
;

// IE 8- don't enum bug keys
module.exports = ('constructor,hasOwnProperty,isPrototypeOf,ToObject,ToString,ToValueOf').split(',');

var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');

/**
 * Creates a hash object.
 *
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 *
 */
function Hash(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();

  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `Hash`.
Hash.prototype.clear = hashClear;
Hash.prototype['delete'] = hashDelete;
Hash.prototype.get = hashGet;
Hash.prototype.has = hashHas;
Hash.prototype.set = hashSet;

module.exports = Hash;

var castPath = require('./_castPath'),
    isArray = require('./isArray'),
    isIndex = require('./_isIndex'),
    isLength = require('./isLength'),
    stringToPath = require('./_stringToPath'),
    toString = require('./toString');

/**
 * Casts `value` to an object if it's not one.
 *
 * @private
 * @param {Array|string} [path] The path to check.
 * @returns {Object} Returns the cast property path array.
 */
function castPath(value, object) {
  if (isArray(value)) {
    return value;
  }
  return isKey(value, object) ? [value] : stringToPath(toString(value));
}

// Error message constants.
var FUNC_ERROR_TEXT = 'Expected a function';

/**
 * Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on
 * the `this` binding of the memoized function. By default, the first
 * argument of `func` is used as the cache key. The `func` is invoked with
 * the `this` binding of the memoized function.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Function
 * @param {Function} func The function to have its output memoized.
 * @param {Function} 
 * @returns {Function} The function to resolve the cache key.
 */
function memoize(func, key) {
  return function () {
    var k = key(func, this); // Force *through* `func`
    return k.cache[k.value];
  }
};
```

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{Function} Returns the new memoized function.\n * @example\n *\n * var object = { 'a': 1, 'b': 2 };\n * var other =
{ 'c': 3, 'd': 4 };\n *\n * var values = _.memoize(_.values);\n * values(object);\n * // => [1, 2]\n *\n * values(other);\n
* // => [3, 4]\n *\n * object.a = 2;\n * values(object);\n * // => [1, 2]\n *\n * // Modify the result cache.\n *
values.cache.set(object, ['a', 'b']);\n * values(object);\n * // => ['a', 'b']\n *\n * // Replace `_.memoize.Cache`.\n *
_.memoize.Cache = WeakMap;\n */\nfunction memoize(func, resolver) {\n if (typeof func != 'function' || (resolver
!= null && typeof resolver != 'function')) {\n throw new TypeError(FUNC_ERROR_TEXT);\n }\n var
memoized = function() {\n var args = arguments,\n
key = resolver ? resolver.apply(this, args) : args[0],\n
cache = memoized.cache;\n\n if (cache.has(key)) {\n
return cache.get(key);\n }\n var result =
func.apply(this, args);\n memoized.cache = cache.set(key, result) || cache;\n return result;\n };\n
memoized.cache = new (memoize.Cache || MapCache);\n return memoized;\n}\n\n// Expose
`MapCache`.\nmemoize.Cache = MapCache;\n\nmodule.exports = memoize;\n","'use
strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix = 'fas';\nvar iconName =
'times';\nvar width = 352;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f00d';\nvar svgPathData =
'M242.72 256l100.07-100.07c12.28-12.28 12.28-32.19 0-44.48l-22.24-22.24c-12.28-12.28-32.19-12.28-44.48
0L176 189.28 75.93 89.21c-12.28-12.28-32.19-12.28-44.48 0L9.21 111.45c-12.28 12.28-12.28 32.19 0
44.48L109.28 256 9.21 356.07c-12.28 12.28-12.28 32.19 0 44.48l22.24 22.24c12.28 12.28 32.2 12.28 44.48 0L176
322.72l100.07 100.07c12.28 12.28 32.2 12.28 44.48 0l22.24-22.24c12.28-12.28 12.28-32.19 0-44.48L242.72
256z';\n\nexports.definition = {\n prefix: prefix,\n iconName: iconName,\n icon: [\n width,\n height,\n
ligatures,\n unicode,\n svgPathData\n ]};\n\nexports.faTimes = exports.definition;\nexports.prefix =
prefix;\nexports.iconName = iconName;\nexports.width = width;\nexports.height = height;\nexports.ligatures =
ligatures;\nexports.unicode = unicode;\nexports.svgPathData = svgPathData;","var baseGet =
require('./_baseGet');\n\n/**\n * A specialized version of `baseProperty` which supports deep paths.\n *\n *
@private\n * @param {Array|string} path The path of the property to get.\n * @returns {Function} Returns the new
accessor function.\n */\nfunction basePropertyDeep(path) {\n return function(object) {\n return baseGet(object,
path);\n };\n}\n\nmodule.exports = basePropertyDeep;\n","\"use strict\";\n\n// eslint-disable-next-line no-emptyfunction\nmodule.exports = function () {};\n","/** Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/**\n * Checks if `value` is likely a prototype object.\n *\n * @private\n * @param {*} value
The value to check.\n * @returns {boolean} Returns `true` if `value` is a prototype, else `false`.\n */\nfunction
isPrototype(value) {\n var Ctor = value && value.constructor,\n
proto = (typeof Ctor == 'function' &&
Ctor.prototype) || objectProto;\n\n return value === proto;\n}\n\nmodule.exports = isPrototype;\n","// 7.3.20
SpeciesConstructor(O, defaultConstructor)\nvar anObject = require('./_an-object');\nvar aFunction = require('./_afunction');\nvar SPECIES = require('./_wks')('species');\nmodule.exports = function (O, D) {\n var C =
anObject(O).constructor;\n var S;\n return C === undefined || (S = anObject(C)[SPECIES]) == undefined ? D :
aFunction(S);\n};\n","var arrayLikeKeys = require('./_arrayLikeKeys'),\n baseKeys = require('./_baseKeys'),\n
isArrayLike = require('./isArrayLike');\n\n/**\n * Creates an array of the own enumerable property names of
`object`.\n *\n * **Note:** Non-object values are coerced to objects. See the\n * [ES spec](http://ecmainternational.org/ecma-262/7.0/#sec-object.keys)\n * for more details.\n *\n * @static\n * @since 0.1.0\n *
@memberOf _\n * @category Object\n * @param {Object} object The object to query.\n * @returns {Array}
Returns the array of property names.\n * @example\n *\n * function Foo() {\n * this.a = 1;\n * this.b = 2;\n * }\n
*\n * Foo.prototype.c = 3;\n *\n * _.keys(new Foo);\n * // => ['a', 'b'] (iteration order is not guaranteed)\n *\n *
_.keys('hi');\n * // => ['0', '1']\n */\nfunction keys(object) {\n return isArrayLike(object) ? arrayLikeKeys(object) :
baseKeys(object);\n}\n\nmodule.exports = keys;\n","\"use strict\";\n\nmodule.exports = function () {\n\ttry
{\n\t\tObject.keys(\"primitive\");\n\t\treturn true;\n\t} catch (e) {\n\t\treturn false;\n\t}\n};\n","/**\n * Converts
`map` to its key-value pairs.\n *\n * @private\n * @param {Object} map The map to convert.\n * @returns {Array}
Returns the key-value pairs.\n */\nfunction mapToArray(map) {\n var index = -1,\n
result = Array(map.size);\n\n
map.forEach(function(value, key) {\n result[++index] = [key, value];\n });\n return result;\n}\n\nmodule.exports
= mapToArray;\n","'use strict';\nObject.defineProperty(exports, '__esModule', { value: true });\nvar prefix =
'fas';\nvar iconName = 'code';\nvar width = 640;\nvar height = 512;\nvar ligatures = [];\nvar unicode = 'f121';\nvar

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getParentNode(element) { fn if (element.nodeName === 'HTML') { fn return element; } fn return element.parentNode || element.host; } fn/**/fn * Returns the scrolling parent of the given element fn * @memberof Popper. Utilities * @argument [Element] element fn * @returns [Element] scroll parent fn */function getScrollParent(element) { fn // Return body, 'getScroll' will take care to get the correct 'scrollTop' from it fn if (element) { fn return document.body; } fn return switch (element.nodeName) { fn case 'HTML': fn return 'BODY' || element.ownerDocument.body; fn case '#document': fn return element.body; } fn // Firefox want us to check '-'x' and '-'y' variations as well fn var _getStyleComputedProp = getStyleComputedProperty(element), fn overflow = _getStyleComputedProp.overflow; fn overflowX = _getStyleComputedProp.overflowX; fn overflowY = _getStyleComputedProp.overflowY; fn if ((/auto|scroll|overlay)/i.test(overflow + overflowY + overflowX)) { fn return element; } fn return getScrollParent(getParentNode(element)); } fn var isIE11 = isBrowser && !!(window.MSInputMethodContext && document.documentMode); fn var isIE10 = isBrowser && /MSIE 10/.test(navigator.userAgent); fn var isIE9 = isIE11 || isIE10; fn Determines if the browser is Internet Explorer fn * @method fn * @memberof Popper. Utilities fn * @param [Number] version to check fn * @returns [Boolean] isIE fn * @style isIE(version) { fn if (version === 11) { fn return isIE11; } fn if (version === 10) { fn return isIE10; } fn return isIE11; } fn if (version === 10) { fn return isIE10; } fn return isIE11; } fn */fn * Returns the offset parent of the given element fn * @method fn * @memberof Popper. Utilities fn * @argument [Element] element fn * @returns [Element] offset parent fn */function getOffsetParent(element) { fn if (!element) { fn return document.documentElement; } fn var noOffsetParent = isIE(10) ? document.body : null; fn // Skip hidden elements which don't have an offsetParent fn while (offsetParent === noOffsetParent) { fn offsetParent = element.firstElementChild.offsetParent; } fn // NOTE: 1 DOM access here fn var offsetParent = element.offsetParent || null; fn // Ignore offsetParent of elements inside shadowDOM if (!offsetParent) { fn return null; } fn // Offset parent of table, th, td is the table fn if (["TH", "TD", "TABLE"].indexOf(offsetParent.nodeName) !== -1) { fn & & getStyleComputedProperty(offsetParent, 'position') === "static" { fn return getOffsetParent(offsetParent); } fn return null; } fn return offsetParent; } fn */function findCommonOffsetParent(element1, element2) { fn if (!element1 || !element1.nodeType || !element2 || !element2.nodeType) { fn return document.documentElement; } fn var order = element1.compareDocumentPosition(element2) & Node.DOCUMENT_POSITION_FOLLOWING; fn if (order) { fn return element1; } fn return element2; } fn +function findCommonOffsetParent(element1, element2) { fn // This check is needed to avoid errors in case one of the elements isn't defined for any reason fn if (!element1 || !element1.nodeType || !element2 || !element2.nodeType) { fn return document.documentElement; } fn // Here we make sure to give as "start:" the element that comes first in the DOM fn var order = element1.compareDocumentPosition(element2) & Node.DOCUMENT_POSITION_FOLLOWING; fn if (order) { fn return element1; } fn return element2; } fn // Get common ancestor container fn var range = document.createRange(); fn range.setStart(start, 0); fn range.setEnd(end, 0); fn var commonAncestorContainer = range.commonAncestorContainer; fn // Both nodes are inside #document fn if (!element) { fn return commonAncestorContainer; } fn if (isOffsetContainer(commonAncestorContainer) || start.contains(end)) { fn return findCommonOffsetParent(commonAncestorContainer, element1, element2); } fn if (commonAncestorContainer) { fn return findCommonOffsetParent(element1, element2); } fn else { fn return findCommonOffsetParent(element1, element2); } fn */fn * Gets the scroll value of the given element in the given side (top and left) fn * @method fn * @memberof Popper. Utilities fn * @argument [Element] element fn * @argument [String] side
`top` or `left` returns number amount of scrolled pixels

// function getScroll(element) {
  var upperSide = side === 'top' ? 'scrollTop' : 'scrollLeft';
  var node_name = element.nodeName;
  if (node_name === 'BODY' || node_name === 'HTML') {
    var html = element.ownerDocument.documentElement;
    var scrolling_element = element.ownerDocument.scrollingElement;
    return scrolling_element[upperSide];
  } else return element[upperSide];
}

/*
 * Sum or subtract the element scroll values (left and top) from a given rect object
 * @method
 * @memberof Popper.Utils
 * @param {Object} rect - Rect object you want to change
 * @param {HTMLElement} element - The element from the function reads the scroll values
 * @param {Boolean} subtract - set to true if you want to subtract the scroll values
 * @return {Object} rect - The modifier rect object
 */
function includeScroll(rect, element, subtract) {
  var scrollTop = getScroll(element, 'top');
  var scrollLeft = getScroll(element, 'left');
  var modifier = subtract ? -1 : 1;
  rect.top += modifier * scrollTop;
  rect.bottom += modifier * scrollTop;
  rect.left += modifier * scrollLeft;
  rect.right += modifier * scrollLeft;
  return rect;
}

/*
 * Helper to detect borders of a given element
 * @method
 * @memberof Popper.Utils
 * @param {CSSStyleDeclaration} styles - Result of `getStyleComputedProperty` on the given element
 * @param {String} axis - 'x' or 'y'
 * @return {number} borders - The borders size of the given axis
 */

function getBordersSize(styles, axis) {
  var sideA = axis === 'x' ? 'Left' : 'Top';
  var sideB = sideA === 'Left' ? 'Right' : 'Bottom';
  return parseFloat(styles['border' + sideA + 'Width'], 10) + parseFloat(styles['border' + sideB + 'Width'], 10);
}

function getSize(axis, body, html, computedStyle) {
  return Math.max(body['offset' + axis], body['scroll' + axis], html['client' + axis], html['offset' + axis], html['scroll' + axis], isIE(10) ? parseInt(html['offset' + axis]) + parseInt(computedStyle['margin' + (axis === 'Height' ? 'Top' : 'Left')]) + parseInt(computedStyle['margin' + (axis === 'Height' ? 'Bottom' : 'Right')]) : 0);
}

/*
 * Given element offsets, generate an output similar to getBoundingClientRect
 * @method
 * @memberof Popper.Utils
 * @param {Object} offsets - ClientRect like output
 * @return {Object} client rect
 */
function getClientRect(offsets) {
  return _extends({}, offsets, {
    right: offsets.left + offsets.width,
    bottom: offsets.top + offsets.height
  });
}

// Get boundingClientRect

// Get output

// Considered in DOM in some circumstances...
element.nodeName === 'HTML' ? getWindowSizes(element.ownerDocument) : {};

var width = sizes.width || element.clientWidth || result.right - result.left;

var height = sizes.height || element.clientHeight || result.bottom - result.top;

var horizScrollbar = element.offsetWidth - width;

var vertScrollbar = element.offsetHeight - height;

// if an hypothetical scrollbar is detected, we must be sure it's not a 'border'
// we make this check conditional for performance reasons
if (horizScrollbar || vertScrollbar) {
  var styles =
  getStyleComputedProperty(element);

  horizScrollbar -= getBordersSize(styles, 'x');

  vertScrollbar -= getBordersSize(styles, 'y');

  result.width -= horizScrollbar;

  result.height -= vertScrollbar;
}

return getClientRect(result);

function getOffsetRectRelativeToArbitraryNode(children, parent) {


  var isIE10 = isIE(10);

  var isHTML = parent.nodeName === 'HTML';

  var childrenRect = getBoundingClientRect(children);

  var parentRect = getBoundingClientRect(parent);

  var scrollParent = getScrollParent(children);

  var styles =
  getStyleComputedProperty(parent);

  var borderTopWidth = parseFloat(styles.borderTopWidth, 10);

  var borderLeftWidth = parseFloat(styles.borderLeftWidth, 10);

  // In cases where the parent is fixed, we must ignore
  negative scroll in offset calc
  if (fixedPosition && isHTML) {
    parentRect.top = Math.max(parentRect.top, 0);
    parentRect.left = Math.max(parentRect.left, 0);
  }

  var offsets =
  getClientRect({
    top: childrenRect.top - parentRect.top - borderTopWidth,
    left: childrenRect.left - parentRect.left - borderLeftWidth,
    width: childrenRect.width,
    height: childrenRect.height
  });

  offsets.marginTop = 0;
  offsets.marginLeft = 0;

  // Subtract margins of documentElement in case it's being used as parent
  // we do this only on HTML because it's
  // the only element that behaves
  // differently when margins are applied to it. The margins are included in
  // the box of the documentElement, in the other cases not.

  if (!isIE10 && isHTML) {
    var marginTop =
    parseFloat(styles.marginTop, 10);

    var marginLeft = parseFloat(styles.marginLeft, 10);

    offsets.top -= borderTopWidth - marginTop;

    offsets.bottom -= borderTopWidth - marginTop;

    offsets.left -= borderLeftWidth - marginLeft;

    offsets.right -= borderLeftWidth - marginLeft;

    // Attach marginTop and
    // marginLeft because in some circumstances we may need them
    offsets.marginTop = marginTop;

    offsets.marginLeft = marginLeft;

  } if (isIE10 && !fixedPosition ? parent.contains(scrollParent) : parent ===
scrollParent && scrollParent.nodeName !== 'BODY') {

    return offsets;
  }

  var return offsets;

  // include scroll
  var result =
  getViewportOffsetRectRelativeToArbitraryNode(element);


  var html =
  element.ownerDocument.documentElement;

  var return width = Math.max(html.clientWidth,
    window.innerWidth || 0);

  var return height = Math.max(html.clientHeight,
    window.innerHeight || 0);

  var scroll top =
  scrollLeft = !excludeScroll ? getScroll(html, 'left') : 0;

  var offset =
  { top: scrollTop - offsetTop + relativeOffset.marginTop,
    left: scrollLeft - relativeOffset.left +
    relativeOffset.marginLeft,
    width: width,
    height: height
  };

  return getClientRect(offset);
}

/**
 * Check if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Boolean} answer to
 * 'isFixed?'
 */

function isFixed(element) {

  var nodeName = element.nodeName;

  if (nodeName ===
  'BODY' || nodeName === 'HTML') {
    return false;
  }

  if (getStyleComputedProperty(element, 'position') ===
  'fixed') {
    return true;
  }

  return isFixed(getParentNode(element));
}

/**
 * Finds the first parent of an
 * element that has a transformed property defined
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} first transformed parent or documentElement
 */

function getFixedPositionOffsetParent(element) {

  // This check is needed to avoid errors in case one of the elements isn't
  defined for any reason

  if (element && element.parentElement && isIE()) {

    // element returned document.documentElement
    var el = element.parentElement;

    while (el &&
      getStyleComputedProperty(el, 'transform') ===
      'none') {
      el = el.parentElement;
    }

    return el;
  }

  // Used to define the boundaries
  // - fixedPosition - Is in fixed position model

  // Element used to define the boundaries
  // - @param {Boolean} fixedPosition - Is in fixed position model

@returns {Object} Coordinates of the boundaries

function getBoundaries(popper, reference, padding, boundariesElement) { 
  // NOTE: 1 DOM access here
  var boundaries = { top: 0, left: 0 }; 
  var offsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference); 
  // Handle viewport case
  if (boundariesElement === 'viewport') { 
    boundaries = getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition); 
  } else { 
    // Handle other cases based on DOM element used as boundaries
    var boundariesNode = void 0; 
    if (boundariesElement === 'scrollParent') { 
      boundariesNode = getScrollParent(getParentNode(reference)); 
    } else if (boundariesNode.nodeName === 'BODY') { 
      boundariesNode = popper.ownerDocument.documentElement; 
    } 
  } 
  // else if (boundariesElement === 'window') 
  boundaries = popper.ownerDocument.documentElement; 
  else { 
    var offsets = getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition); 
    // In case of HTML, we need a different computation
    if (boundariesNode.nodeName === 'HTML' && 
        !isFixed(offsetParent)) { 
      var _getWindowSizes = getWindowSizes(popper.ownerDocument), 
          height = _getWindowSizes.height, 
          width = _getWindowSizes.width; 
      boundaries.top += offsets.top; 
      boundaries.bottom = height + offsets.top; 
      boundaries.left += offsets.left; 
      boundaries.right = width + offsets.left; 
    } else { 
      // for all the other DOM elements, this one is good
      boundaries = offsets; 
    } 
    // Add paddings
    padding = padding || 0; 
    var isPaddingNumber = typeof padding === 'number'; 
    boundaries.left += isPaddingNumber ? padding : padding.left || 0; 
    boundaries.top += isPaddingNumber ? padding : padding.top || 0; 
    boundaries.right -= isPaddingNumber ? padding : padding.right || 0; 
    boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0; 
    return boundaries; 
  } 

  function getArea(_ref) { 
    var width = _ref.width, 
        height = _ref.height; 
    return width * height; 
  } 

  /** 
   * Utility used to transform the `auto` placement to the placement with more available space.
   * @method 
   * @memberof Popper.Utils 
   * @argument {Object} data - The data object generated by update method 
   * @argument {Object} options - Modifiers configuration and options 
   * @returns {Object} The data object, properly modified 
   */
  function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) { 
    if (placement.indexOf('auto') === -1) { 
      return placement; 
    } 
    var boundaries = getBoundaries(popper, reference, padding, boundariesElement); 
    var rects = { 
      top: { 
        width: boundaries.width, 
        height: refRect.top - boundaries.top 
      }, 
      right: { 
        width: boundaries.right - refRect.right, 
        height: boundaries.height 
      }, 
      bottom: { 
        width: boundaries.width, 
        height: boundaries.height + refRect.top - refRect.left - boundaries.left 
      }, 
      left: { 
        width: refRect.left - boundaries.left, 
        height: boundaries.height + refRect.top - refRect.left - boundaries.left 
      } 
    }; 
    var sortedAreas = Object.keys(rects).map(function (key) { 
      return { 
        key: key, 
        rects: rects[key], 
        area: getArea(rects[key]) 
      }; 
    }).sort(function (a, b) { 
      return b.area - a.area; 
    }); 
    var filteredAreas = sortedAreas.filter(function (_ref2) { 
      var width = _ref2.width, 
          height = _ref2.height; 
      return width >= popper.clientWidth && height >= popper.clientHeight; 
    }); 
    var computedPlacement = filteredAreas.length > 0 ? filteredAreas[0].key : sortedAreas[0].key; 
    var returnPadding = placement.split('-')[1]; 
    return computedPlacement + (variation ? ['-'] + variation : ''); 
  } 

  function getReferenceOffsets(state, popper, reference) { 
    var commonOffsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference); 
    return getOffsetRectRelativeToArbitraryNode(reference, commonOffsetParent, fixedPosition); 
  } 

  function getOuterSizes(element) { 
    var window = document.documentElement; 
    var viewport = window.innerHeight; 
  } 

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element.ownerDocument.defaultView;
var styles = window.getComputedStyle(element);
var x = parseFloat(styles.marginTop) + parseFloat(styles.marginBottom);
var y = parseFloat(styles.marginLeft) + parseFloat(styles.marginRight);
var result = { width: element.offsetWidth + y, height: element.offsetHeight + x };
return result;

/**
 * Get the opposite placement of the given one
 */
getOppositePlacement = function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', bottom: 'top', top: 'bottom' };
  return result placements.replace(left|right|bottom|top|g, function (matched) {
    return hash[matched];
  })
}

/**
 * Get offsets to the popper
 */
getPopperOffsets = function getPopperOffsets(popper, referenceOffsets, placement) {
  placement = placement.split('-')[0];
  var popperRect = getOuterSizes(popper);
  var popperOffsets = {
    width: popperRect.width,
    height: popperRect.height
  };
  var isHoriz = ['right', 'left'].indexOf(placement) !== -1;
  var mainSide = isHoriz ? 'top' : 'left';
  var secondarySide = isHoriz ? 'left' : 'top';
  var measurement = isHoriz ? 'height' : 'width';
  var secondaryMeasurement = !isHoriz ? 'height' : 'width';
  if (placement === secondarySide) {
    popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
  } else {
    popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
  }
  return popperOffsets;
}

/**
 * Mimics the `find` method of Array
 */
find = function find(arr, check) {
  if (Array.prototype.find) {
    return arr.find(check);
  }
  return arr.filter(check)[0];
}

/**
 * Return the index of the matching object
 */
findIndex = function findIndex(arr, prop, value) {
  if (Array.prototype.findIndex) {
    return arr.findIndex(function (cur) {
      return cur[prop] === value;
    });
  }
  var match = find(arr, function (obj) {
    return obj[prop] === value;
  });
  return arr.indexOf(match);
}

/**
 * Loop trough the list of modifiers and run them in order,
 * each of them will then edit the data object.
 * @param {dataObject} data
 * @param {Array} modifiers
 * @param {String} ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */
runModifiers = function runModifiers(modifiers, data, ends) {
  var modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));
  modifiersToRun.forEach(function (modifier) {
    if (modifier.function) {
      console.warn('`modifier.function` is deprecated, use `modifier.fn`!');
    }
    var fn = modifier.function || modifier.fn; // eslint-disable-line dot-notation
    if (modifier.enabled && isFunction(fn)) {
      var modifierFn = modifier.fn; // eslint-disable-line dot-notation
      if (modifier.enabled && isFunction(fn)) {
        fn = modifier.fn();
        var fn = modifier.fn();
        if (modifier.enabled && isFunction(fn)) {
          fn = modifier.fn();
        }
      }
    }
  });
  return data;
}

// Add properties to offsets to make them a complete clientRect object
// we do this before each modifier to make sure the previous one doesn't mess with these values
data.offsets.popper = getClientRect(data.offsets.popper);

// Get ClientRect
data.offsets.reference = getClientRect(data.offsets.reference);

// Update the position of the popper, computing the new offsets and applying
// the new style.
</br>

// 'scheduleUpdate' over 'update' because of performance reasons.
@method
@memberof Popper
@function update() {
  var updated = { num: 0 };
  // compute reference element offsets
  var referenceOffsets = getReferenceOffsets(this.state, this.popper, this.reference, this.target, this.options, this.options.positionFixed);
  // compute auto placement, store placement inside the data object,
  // modifiers will be able to edit 'placement' if

needed
// and refer to originalPlacement to know the original value
data.placement = computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.options, this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);

// store the computed placement inside 'originalPlacement'
data.originalPlacement = data.placement;

// compute the popper offsets
data.offsets.popper = getPopperOffsets(this.popper, data.offsets.reference, data.placement);

// data.offsets.popper.position = this.options.positionFixed ? 'fixed' : 'absolute';
// run the modifiers
data = runModifiers(this.modifiers, data);

// the first 'update' will call 'onCreate' callback // the other ones will call 'onUpdate' callback if (!this.state.isCreated) {
  this.state.isCreated = true;
  this.options.onCreate(data);
} else {
  this.options.onUpdate(data);
}

/**
 * Helper used to know if the given modifier is enabled.
 * @method
 * @memberof Popper.Utils
 * @returns {Boolean}
 */
function isModifierEnabled(modifiers, modifierName) {
  return modifiers.some(function (_ref) {
    var name = _ref.name,
        enabled = _ref.enabled;
    return enabled && name === modifierName;
  });
}

/**
 * Get the prefixed supported property name
 * @method
 * @memberof Popper.Utils
 * @argument {String} property (camelCase)
 * @returns {String} prefixed property (camelCase or PascalCase, depending on the vendor prefix)
 */
function getSupportedPropertyName(property) {
  var prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];
  var upperProp = property.charAt(0).toUpperCase() + property.slice(1);

  for (var i = 0; i < prefixes.length; i++) {
    var prefix = prefixes[i];
    var toCheck = prefix ? '' + prefix + upperProp : property;
    if (typeof document.body.style[toCheck] !== 'undefined') {
      return toCheck;
    }
  }
  return null;
}

/**
 * Destroys the popper.
 * @method
 * @memberof Popper
 */
function destroy() {
  this.state.isDestroyed = true;

  // touch DOM only if `applyStyle` modifier is enabled
  if (isModifierEnabled(this.modifiers, 'applyStyle')) {
    this.popper.removeAttribute('x-placement');
    this.popper.style.position = '';
    this.popper.style.top = '';
    this.popper.style.left = '';
    this.popper.style.right = '';
    this.popper.style.bottom = '';
    this.popper.style.willChange = '';
    this.popper.style[getSupportedPropertyName('transform')] = '';
  }

  this.disableEventListeners();

  // remove the popper if user explicity asked for the deletion on destroy // do not use 'remove' because IE11 doesn't support it
  if (this.options.removeOnDestroy) {
    this.popper.parentNode.removeChild(this.popper);
  }
  return this;
}

/**
 * Get the window associated with the element
 * @method
 * @memberof Popper
 * @returns {Window}
 */
function getWindow(element) {
  var ownerDocument = element.ownerDocument;
  return ownerDocument ? ownerDocument.defaultView : window;
}

function attachToScrollParents(scrollParent, event, callback, scrollParents) {
  var isBody = scrollParent.nodeName === 'BODY';
  var target = isBody ? scrollParent.ownerDocument.defaultView : scrollParent;
  target.addEventListener(event, callback, { passive: true });

  if (!isBody) {
    attachToScrollParents(getScrollParent(target.parentNode), event, callback, scrollParents);
  }
  scrollParents.push(target);
}

/**
 * Setup needed event listeners used to update the popper position
 * @method
 * @memberof Popper
 * @private
 */
function setupEventListeners(reference, options, state, updateBound) {
  // Resize event listener on window
  state.updateBound = updateBound;
  getWindow(reference).addEventListener('resize', function(resize, state.updateBound, { passive: true }) {
    // Scroll event listener on scroll parents
    var scrollElement = getScrollParent(reference);
    attachToScrollParents(scrollElement, 'scroll', state.updateBound, state.scrollParents);
    state.scrollElement = scrollElement;
    state.eventsEnabled = true;
    return state;
  }, state.updateBound);
  // It will add resize/scroll events and start recalculating position of the popper element when they are triggered.
  if (!this.state.eventsEnabled) {
    this.state.eventsEnabled = true;
    this.scheduleUpdate.
  }
  state.scrollEnabled = true;
  state.updateBound = null;
  state.scrollParents = [];
  // Reset state
  state.updateBound = null;
  state.eventsEnabled = false;
  state.
  // It will remove resize/scroll
events and won’t recalculate popper position * when they are triggered. It also won’t trigger ‘onUpdate’ callback anymore, * unless you call `update` method manually. *

```javascript
function disableEventListeners() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state = removeEventListeners(this.reference, this.state);
  }
}
```

```javascript
/**
 * Tells if a given input is a number *
 * @method
 * @memberof Popper
 */
function isNumeric(n) {
  return n !== '' && !isNaN(parseFloat(n)) && isFinite(n);
}

/**
 * Set the style to the given popper *
 * @method
 * @memberof Popper
 */
function setStyles(element, styles) {
  Object.keys(styles).forEach(function (prop) {
    var unit = '';
    // add unit if the value is numeric and is one of the following *
    if (["width", "height", "top", "right", "bottom", "left"]).indexOf(prop) !== -1 && isNumeric(styles[prop]) {
      unit = 'px';
    }
    element.style[prop] = styles[prop] + unit;
  });
}

/**
 * Set the attributes to the given popper *
 * @method
 * @memberof Popper
 */
function setAttributes(element, attributes) {
  Object.keys(attributes).forEach(function (prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      element.removeAttribute(prop);
    }
  });
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method *
 * @argument {Object} data.styles - List of style properties - values to apply to popper element *
 * @argument {Object} data.attributes - List of attribute properties - values to apply to popper element *
 * @argument {Object} options - Modifiers configuration and options *
 * @returns {Object} The same data object *
 */
function applyStyle(data) {
  // any property present in `data.styles` will be applied to the popper,
  // in this way we can make the 3rd party modifiers add custom styles to it *
  // Be aware, modifiers could override the properties defined in the previous lines of this modifier!
  setStyles(data.instance.popper, data.styles);

  // any property present in `data.attributes` will be applied to the popper,
  // they will be set as HTML attributes of the element *
  setAttributes(data.instance.popper, data.attributes);

  // if arrowElement is defined and arrowStyles has some properties *
  if (data.arrowElement && Object.keys(data.arrowStyles).length) {
    setStyles(data.arrowElement, data.arrowStyles);
  }
```

```javascript
/**
 * Set the x-placement attribute before everything else because it could be used to add margins to the popper margins needs to be calculated to get the correct popper offsets; *
 * @method
 * @memberof Popper
 */
function COMPUTE_STYLE(options) {
  var x = options.x, y = options.y;
  var popper = data.offsets.popper;

  // Remove this legacy support in Popper.js v2

  var legacyGpuAccelerationOption = find(data.instance.modifiers, function (modifier) {
    return modifier.name === `applyStyle`; }
  ).gpuAcceleration;

  if (legacyGpuAccelerationOption !== undefined) {
    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported in future versions of Popper.js!');
  }
```

```javascript

```
getOffsetParent(data.instance.popper);
var offsetParentRect = getBoundingClientRect(offsetParent);
Styles
var styles = {
  position: popper.position
};

// Avoid blurry text by using full pixel integers.

For pixel-perfect positioning, top/bottom prefers rounded values, while left/right prefers floored values.

var offsets = {
  left: Math.floor(popper.left),
  top: Math.round(popper.top),
  bottom: Math.round(popper.bottom),
  right: Math.floor(popper.right)
};

var sideA = x === 'bottom' ? 'top' : 'bottom';
var sideB = y === 'right' ? 'left' : 'right';

// if gpuAcceleration is set to 'true' and transform is supported, we use 'translate3d' to apply the position to the popper we automatically use the supported prefixed version if needed
var prefixedProperty = getSupportedPropertyName('transform');

// now, let's make a step back and look at this code closely (wtf?)

// If the content of the popper grows once it's been positioned, it may happen that the popper gets misplaced because of the new content

To avoid this problem, we provide two options (x and y), which allow the consumer to define the offset origin.

// If we position a top on a reference element, we can set the x to top to make the popper grow towards its top instead of its bottom.

// when offsetParent is <html> the positioning is relative to the bottom of the screen (excluding the scrollbar)

// and not the bottom of the html element

// offsetParent.clientHeight + offsets.bottom;

else {
  top = -offsetParent.clientHeight + offsets.bottom;
}

} else {
  top = offsets.top;
}

if (sideB === 'right') {
  if (offsetParent.nodeName === 'HTML') {
    left = -offsetParent.clientWidth + offsets.right;
  } else {
    left = -offsetParentRect.width + offsets.right;
  }
}

else {
  left = offsets.left;
}

if (gpuAcceleration && prefixedProperty) {
  styles[prefixedProperty] = 'translate3d(' + left + 'px, ' + top + 'px, 0)';
  styles[sideA] = 0;
  styles[sideB] = 0;
  styles.willChange = 'transform';
} else {
  // otherwise, we use the standard 'top', 'left', 'bottom' and 'right' properties
  var invertTop = sideA === 'bottom' ? -1 : 1;
  var invertLeft = sideB === 'right' ? -1 : 1;
  styles[sideA] = top * invertTop;
  styles[sideB] = left * invertLeft;
  styles.willChange = sideA + '=' + top + ', ' + sideB + '=' + left;
}

// Attributes

var attributes = {
  'x-placement': data.placement
};

// Update `data` attributes, styles and arrowStyles

data.attributes = _extends({}, attributes, data.attributes);

data.styles = _extends({}, styles, data.styles);

data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);

var returnData = data;`
sideCapitalized = isVertical ? 'Top' : 'Left';

var sideCapitalized = isVertical ? 'Top' : 'Left';

var side = sideCapitalized.toLowerCase();

var altSide = isVertical ? 'left' : 'top';

var opSide = isVertical ? 'bottom' : 'right';

var arrowElementSize = getOuterSizes(arrowElement)[len];

// Extends keepTogether behavior making sure the popper and its
reference have enough pixels in conjunction

// top(lef) side
if (reference[opSide] - arrowElementSize < popper[side]) {
}

// bottom(right) side
if (reference[side] + arrowElementSize > popper[opSide]) {
  data.offsets.popper[side] += reference[side] + arrowElementSize - popper[opSide];
}

var arrowElementSize = getClientRect(data.offsets.popper);

// Compute center of the popper

var center = reference[side] + reference[len] / 2 - arrowElementSize / 2;

// Compute the sideValue using the updated popper offsets

var css = getStyleComputedProperty(data.instance.popper);

var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);

var popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);

var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

sideValue = Math.max(Math.min(popper[len] - arrowElementSize, sideValue), 0);

data.arrowElement = arrowElement;

data.offsets.arrow = (_data$offsets$arrow = {}, defineProperty(_data$offsets$arrow, side, Math.round(sideValue)),
defineProperty(_data$offsets$arrow, altSide, ''), _data$offsets$arrow);

return data;

/**
 * Get the opposite placement variation of the given one

 * @method
 * @memberof Popper.Utils
 * @argument {String} placement variation
 * @returns {String} flipped placement variation
 */

function getOppositeVariation(variation) {
  if (variation === 'end') {
    return 'start';
  } else if (variation === 'start') {
    return 'end';
  }
  return variation;

/**
 * List of accepted placements to use as values of the `placement`
 * option.
 * Valid placements are:
 * - `auto`
 * - `top`
 * - `right`
 * - `bottom`
 * - `left`
 *
 * Each placement can have a variation from this list:
 * - `-start`
 * - `-end`
 *
 * Variations are interpreted easily if you think of them as the left to right
 * written languages. Horizontally (`top` and `bottom`), `start` is left and `end`
 * is right. Vertically (`left` and `right`), `start` is top and `end` is bottom.
 * Some valid examples are:

 * - `top-end`
 * - `right-start`
 * - `bottom` (on bottom, centered)
 * - `auto-end`
 * - `auto-start`

 * Get rid of `auto` `auto-start` and `auto-end`

 * @static
 * @type {Array}
 * @enum {String}
 * @readonly
 * @method placements
 * @memberof Popper
 */

var placements = [
  'auto-start', 'auto', 'auto-end', 'top-start', 'top', 'top-end', 'right-start', 'right', 'right-end', 'bottom-end', 'bottom', 'bottom-start', 'left-end', 'left', 'left-start'];

var validPlacements = placements.slice(3);

/**
 * Given an initial placement, returns all the subsequent placements
 * clockwise (or counter-clockwise).
 *
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement - A valid placement (it accepts variations)
 * @argument {Boolean} counter - Set to true to walk the placements counterclockwise
 * @returns {Array} placements including their variations
 */

function clockwise(placement, counter) {
  var index = validPlacements.indexOf(placement);
  var arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
  var returnArr = [];
  returnArr = arr.reverse();
  return returnArr;

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update
 * method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */

function flip(data, options) {
  // if `inner` modifier is enabled, we can't use the `flip`
  if (isModifierEnabled(data.instance.modifiers, 'inner')) {
    return data;
  }

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);

  var var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);

  var placement = data.placement.splitted[0];

  var placementOpposite = getOppositePlacement(placement);

  var variant = data.placement.splitted[1] !== "" ? var flipOrder = [] : var

  var switch (options.behavior) {
    case BEHAVIORS.FLIP:
      flipOrder = [placement, placementOpposite];
      break;
    }
case BEHAVIORS.CLOCKWISE:
    flipOrder = clockwise(placement);
    break;

case BEHAVIORS.COUNTERCLOCKWISE:
    flipOrder = clockwise(placement, true);
    break;

default:
    flipOrder = options.behavior;
} }

flipOrder.forEach(function (step, index) {
    if (placement !== step || flipOrder.length === index + 1) {
        return data;
    }

    placement = data.placement.split('-')[0];

    placementOpposite = getOppositePlacement(placement);

    var popperOffsets = data.offsets.popper;
    var refOffsets = data.offsets.reference;

    // using floor because the reference offsets may contain decimals we are not going to consider here
    var floor = Math.floor;
    var overlapsRef = placement === 'left' &&
        floor(popperOffsets.right) > floor(refOffsets.left) ||
        placement === 'right' && floor(popperOffsets.left) <
        floor(refOffsets.right) ||
        placement === 'top' &&
        floor(popperOffsets.bottom) > floor(refOffsets.top) ||
        placement === 'bottom' &&
        floor(popperOffsets.top) < floor(refOffsets.bottom);

    var overflowsLeft =
        floor(popperOffsets.left) < floor(boundaries.left);
    var overflowsRight =
        floor(popperOffsets.right) > floor(boundaries.right);
    var overflowsTop =
        floor(popperOffsets.top) < floor(boundaries.top);
    var overflowsBottom =
        floor(popperOffsets.bottom) > floor(boundaries.bottom);

    var data = runModifiers(data.instance.modifiers, data, 'flip');

    data = 
        _extends({}, data); // this boolean to detect

    if (overlapsRef || overflowsBoundaries) {
        placement = flipOrder[index + 1];
    }

    if (flippedVariation) {
        variation = getOppositeVariation(variation);
    }

    data.placement = placement + (variation ? '-' + variation : '');

    data.offsets.popper =
        getPopperOffsets(data.instance.popper, data.offsets.reference, data.placement);

    // this object contains `position`, we want to preserve it along with
    // any additional property we may add in the future
    data = runModifiers(data.instance.modifiers, data, 'keepTogether');

    data = keepTogether(data);

    data = toValue(str, measurement, popperOffsets, referenceOffsets);
and we return just the value\n\n  return value;
\n}/**\n * Parse an 'offset' string to extrapolate 'x' and 'y' numeric offsets.\n * @function\n * @memberof {modifiers~offset}\n * @private\n * @argument {String} offset\n * @argument {Object} popperOffsets\n * @argument {Object} referenceOffsets\n * @argument {String} basePlacement\n * @returns {Array} a two cells array with x and y offsets in numbers\n */
function parseOffset(offset, popperOffsets, referenceOffsets, basePlacement) {
  var offsets = [0, 0];

  // Split the offset string to obtain a list of values and operands\n  // The regex addresses values with the plus or minus sign in front (+10, -20, etc)\n  var fragments = offset.split(/([+\-])/).map(function (frag) {
    return Number(frag.trim());
  });

  // Detect if the offset string contains a pair of values or a single one\n  // they could be separated by comma or space\n  var divider = fragments.indexOf(find(fragments, function (frag) {
    return frag.search(/,|\s/) !== -1;
  }));

  // If divider is found, we divide the list of values and operands to divide\n  // them by offset X and Y.\n  var var op = function (a, b) {
    return a + b;
  }

  // Loop trough the offsets arrays and execute the operations\n  op.forEach(function (func, index) {
    offsets[index] = func(offsets[index], fragments[divider] === index ? fragments[divider + 1] : fragments[divider]);
  });

  return offsets;
}

/**\n * @function\n * @memberof Modifiers\n * @argument {Object} data - The data object generated by update method\n * @argument {Object} options - Modifiers configuration and options\n * @argument {Number|String} options.offset=0\n * The offset value as described in the modifier description\n * @returns {Object} The data object, properly modified\n */
function offset(data, _ref) {
  var offset = _ref.offset;
  var placement = data.placement,
      offsets = data.offsets;
  var popper = offsets.popper,
      reference = offsets.reference;

  var basePlacement = placement.split('-')[0];

  var offsets = void 0;
  if (isNumeric(offset)) {
    offsets = [Number(offset), 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  var popperTop = offsets[0];
  var popperLeft = offsets[1];

  if (basePlacement === 'left') {
    popperTop += offsets[0];
    popperLeft -= offsets[1];
  } else if (basePlacement === 'right') {
    popperTop -= offsets[0];
    popperLeft += offsets[1];
  } else if (basePlacement === 'top') {
    popperTop += offsets[1];
    popperLeft -= offsets[0];
  } else if (basePlacement === 'bottom') {
    popperTop -= offsets[0];
    popperTop += offsets[1];
  }

  data.popper = popper;
  data.placement = placement.split('-')[1];

  return data;
}

/**\n * @function\n * @memberof Modifiers\n * @argument {Object} data - The data object generated by 'update' method\n * @returns {Object} The data object, properly modified\n */
function preventOverflow(data, options) {
  var boundariesElement = options.boundariesElement || getOffsetParent(data.instance.popper);

  // If offsetParent is the reference element, we really want to\n  // go one step up and use the next offsetParent as reference to\n  // avoid to make this modifier completely useless and look\n  // like broken\n  if (data.instance.reference === boundariesElement) {
    boundariesElement = getOffsetParent(boundariesElement);
  }

  // NOTE: DOM access here\n  // resets the popper's position so that\n  // the document size can be calculated excluding\n  // the size of the popper element itself\n  var transformProp = getSupportedPropertyName('transform');

  var popperStyles = data.instance.popper.style;

  assignment to help\n
  var top = popperStyles.top,
  left = popperStyles.left,

  transform =
openSourceUsedInAPIC-SE-BATMANv2.0.1 19744

```javascript
popperStyles[transformProp] = ";\npopperStyles.top = ";\npopperStyles.left = ";\nvar boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed); // NOTE: DOM access here // restores the original style properties after the offsets have been computed\npopperStyles.top = top; popperStyles.left = left;\npopperStyles[transformProp] = transform;\nvar options = boundaries boundaries;\nvar order = options.priority;\nvar popper = data.offsets.popper;\nvar check = {\n  primary: function primary(placement) {\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, placement, value);\n  },\n  secondary: function secondary(placement) {\n    var mainSide = placement === 'right' ? 'left' : 'top';\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, mainSide, value);\n  }\n};\nvar boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed);\nvar order = options.priority;\nvar popper = data.offsets.popper;\nvar check = {\n  primary: function primary(placement) {\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, placement, value);\n  },\n  secondary: function secondary(placement) {\n    var mainSide = placement === 'right' ? 'left' : 'top';\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, mainSide, value);\n  }\n};\nvar order = options.priority;\nvar popper = data.offsets.popper;\nvar check = {\n  primary: function primary(placement) {\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, placement, value);\n  },\n  secondary: function secondary(placement) {\n    var mainSide = placement === 'right' ? 'left' : 'top';\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, mainSide, value);\n  }\n};\nvar order = options.priority;\nvar popper = data.offsets.popper;\nvar check = {\n  primary: function primary(placement) {\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, placement, value);\n  },\n  secondary: function secondary(placement) {\n    var mainSide = placement === 'right' ? 'left' : 'top';\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, mainSide, value);\n  }\n};\nvar order = options.priority;\nvar popper = data.offsets.popper;\nvar check = {\n  primary: function primary(placement) {\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, placement, value);\n  },\n  secondary: function secondary(placement) {\n    var mainSide = placement === 'right' ? 'left' : 'top';\n    var value = popper[placement];\n    if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {\n      value = Math.max(popper[placement], boundaries[placement]);\n    }\n    return defineProperty({}, mainSide, value);\n  }\n};
```
you don't want to override the `order`, `fn` and `onLoad` props.

All the other properties are configurations that could be tweaked.

* @namespace modifiers

*/

@unvar modifiers = { num, fn, order, enabled, fn, on

* Modifier used to shift the popper on the start or end of its reference element. It will read the variation of the `placement` property.

* It can be one either `-end` or `-start`.

* @memberof modifiers

* @inner

* An shift: { num, fn, order, enabled, fn, on

* @prop {number} order=100 - Index used to define the order of execution

* @prop {ModifierFn} fn=true


* Modifier used to move the `arrowElement` of the popper to make sure it is positioned between the reference element and its popper element.

* It will read the outer size of the `arrowElement` node to detect how
```javascript
/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=900 - Index used to define the order of execution */
    order: 900,
    /** @prop {number} order=850 - Index used to define the order of execution */
    order: 850,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {ModifierFn} */
    fn: computeStyle,

  /**
   * Computes the style that will be applied to the popper element to gets
   * properly
   * positioned.
   * The popper will never be placed outside of the defined boundaries
   * (except if `keepTogether` is enabled).
   * @memberof modifiers
   * @inner
   */
  computeStyle: {
    /** @prop {number} order=800 - Index used to define the order of execution */
    order: 800,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=700 - Index used to define the order of execution */
    order: 700,
    /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
    enabled: false,
    /** @prop {string} 
     * [x='left'] - Selector or node used as arrow */
    element: '[x-arrow]' - Selector or node used as arrow
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=600 - Index used to define the order of execution */
    order: 600,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=500 - Index used to define the order of execution */
    order: 500,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=400 - Index used to define the order of execution */
    order: 400,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=300 - Index used to define the order of execution */
    order: 300,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=200 - Index used to define the order of execution */
    order: 200,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=100 - Index used to define the order of execution */
    order: 100,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=0 - Index used to define the order of execution */
    order: 0,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=900 - Index used to define the order of execution */
    order: 900,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=800 - Index used to define the order of execution */
    order: 800,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=700 - Index used to define the order of execution */
    order: 700,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=600 - Index used to define the order of execution */
    order: 600,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=500 - Index used to define the order of execution */
    order: 500,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=400 - Index used to define the order of execution */
    order: 400,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=300 - Index used to define the order of execution */
    order: 300,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=200 - Index used to define the order of execution */
    order: 200,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=100 - Index used to define the order of execution */
    order: 100,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=0 - Index used to define the order of execution */
    order: 0,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=900 - Index used to define the order of execution */
    order: 900,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=800 - Index used to define the order of execution */
    order: 800,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=700 - Index used to define the order of execution */
    order: 700,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=600 - Index used to define the order of execution */
    order: 600,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=500 - Index used to define the order of execution */
    order: 500,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=400 - Index used to define the order of execution */
    order: 400,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=300 - Index used to define the order of execution */
    order: 300,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=200 - Index used to define the order of execution */
    order: 200,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=100 - Index used to define the order of execution */
    order: 100,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
    /** @prop {number} order=0 - Index used to define the order of execution */
    order: 0,
    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    enabled: true,
```javascript
{ModifierFn} */
    fn: applyStyle,
    /** @prop {Function} */
    onLoad: applyStyleOnLoad,
    /**
     *
     * @deprecated since version 1.10.0, the property moved to `computeStyle` modifier
     */
    gpuAcceleration: true
  }
};

/**
 * The `dataObject` is an object containing all the information used by Popper.js.
 * This object is passed to modifiers and to the `onCreate` and `onUpdate` callbacks.
 * It will use the `top` and `left` properties if `gpuAcceleration: undefined`.
 * Otherwise, it will use the CSS 3D transformation to position the popper.
 * The `dataObject` is an object containing all the information used by Popper.js.
 * This object is passed to modifiers and to the `onCreate` and `onUpdate` callbacks.
 * @name dataObject
 * @prop {Object} data.instance The Popper.js instance
 * @prop {Object} data.placement Placement applied to popper
 * @prop {Object} data.originalPlacement Placement originally defined on init
 * @prop {Boolean} data.flipped True if popper has been flipped by flip modifier
 * @prop {Object} data.boundaries Offsets of the popper boundaries
 * @prop {Object} data.offsets The measurements of popper, reference and arrow elements
 * @prop {Object} data.styles Any CSS property defined here will be applied to the popper.
 * It expects the JavaScript nomenclature (eg. `marginBottom`) and will use the `top` and `left` offsets, only one of them will be different from `0`.
 * @prop {Object} data.arrowStyles Any CSS property defined here will be applied to the popper. It expects the JavaScript nomenclature (eg. `marginBottom`) and will use the `top` and `left` offsets, only one of them will be different from `0`.
 */

/**
 * Default options provided to Popper.js constructor.
 * These can be overridden using the `options` argument of Popper.js.
 * To override an option, simply pass an object with the same structure as the 3rd argument.
 * Example:
 * ```
 * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })
 * ```
 * @type {Object}
 * @static
 * @memberof Popper
 */
var Defaults = {
  /**
   * Popper's placement.
   * @prop {Popper.placements} placement='bottom'
   */
  placement: 'bottom',

  /**
   * Set this to true if you want popper to position it self in 'fixed' mode.
   * @prop {Boolean} positionFixed=false
   */
  positionFixed: false,

  /**
   * Whether events (resize, scroll) are initially enabled.
   * @prop {Boolean} eventsEnabled=true
   */
  eventsEnabled: true,

  /**
   * Set to true if you want to automatically remove the popper when you call the `destroy` method.
   * @prop {Boolean} removeOnDestroy=false
   */
  removeOnDestroy: false,

  /**
   * Callback called when the popper is created.
   * @prop {onCreate}
   */
  onCreate: function onCreate() {},

  /**
   * Callback called when the popper is updated.
   * By default, it is set to no-op.
   * @prop {onUpdate}
   */
  onUpdate: function onUpdate() {},

  /**
   * List of modifiers used to modify the offsets before they are applied to the popper.
   * They provide most of the functionalities of Popper.js.
   * @prop {modifiers}
   */
  modifiers: {} // The generated Popper.js instance
};

/**
 * @callback onCreate
 * @param {dataObject} data
 */

/**
 * @callback onUpdate
 * @param {dataObject} data
 */

// Methods
var Popper =
```
```
options.modifiers)).forEach(function (name) {
    _this.options.modifiers[name] = _extends({},
        Popper.Defaults.modifiers[name] || {});
    _this.options.modifiers[name].name = name;
  });

// Refactoring modifiers' list (Object => Array)
this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
    return _extends({},
        _this.options.modifiers[name],
        Popper.Defaults.modifiers[name] || {});
  });

// sort the modifiers by order
.sort(function (a, b) {
    return a.order - b.order;
});

// modifiers have the ability to execute arbitrary code when Popper.js get initialized
// such code is executed in the same order of its modifier
// they could add new properties to their options configuration
// BE AWARE: don't add options to `options.modifiers.name` but to `modifierOptions`
this.modifiers.forEach(function (modifierOptions) {
    if (modifierOptions.enabled && isFunction(modifierOptions.onLoad)) {
        modifierOptions.onLoad(_this.reference, _this.popper, _this.options, modifierOptions, _this.state);
    }

// fire the first update to position the popper in the right place
this.update();

var eventsEnabled = this.options.eventsEnabled;
if (eventsEnabled) {
    // setup event listeners, they will take care of update the position in specific situations
    this.enableEventListeners();
}

this.state.eventsEnabled = eventsEnabled;
// We can't use class properties because they don't get listed in the class prototype and break stuff like Sinon stubs
createClass(Popper, {
    key: 'update',
    value: function update() {
        return update.call(this);
    }
  }, {
    key: 'destroy',
    value: function destroy() {
        return destroy.call(this);
    }
  }, {
    key: 'enableEventListeners',
    value: function enableEventListeners() {
        return enableEventListeners.call(this);
    }
  }, {
    key: 'disableEventListeners',
    value: function disableEventListeners() {
        return disableEventListeners.call(this);
    }

    /**
     * Schedules an update. It will run on the next UI update available.
     * @method scheduleUpdate
     * @memberof Popper
     */

    /**
     * Collection of utilities useful when writing custom modifiers.
     * Starting from version 1.7, this method is available only if you use `popper-utils.js` before `popper.js`.
     * **DEPRECATED**: This way to access PopperUtils is deprecated and will be removed in v2! Use the PopperUtils module directly instead.
     * Due to the high instability of the methods contained in Utils, we can't guarantee them to follow semver. Use them at your own risk.
     * @static
     * @private
     * @type {Object}
     * @memberof Popper
     */

  });
return Popper;
}();

/**
 * The `referenceObject` is an object that provides an interface compatible with Popper.js
 * and lets you use it as replacement of a real DOM node. (See: `referenceObject` documentation).
 * ```
 * new Popper(referenceObject, popperNode);
 * ```
 * NB: This feature isn't supported in Internet Explorer 10.
 * @name referenceObject
 * @property {Function} data.getBoundingClientRect
 * A function that returns a set of coordinates compatible with the native `getBoundingClientRect` method.
 * @property {number} data.clientWidth
 * An ES6 getter that will return the width of the virtual reference element.
 * @property {number} data.clientHeight
 * An ES6 getter that will return the height of the virtual reference element.
 */

Popper.placements = placements;
Popper.Defaults = Defaults;

export default Popper;
```javascript
return arguments[0]

//

var isSymbol = require('./isSymbol'),
    assign = require('es5-ext/object/assign'),
    normalizeOps = require('es5-ext/object/normalize-options'),
    isCallable = require('es5-ext/object/is-callable'),
    contains = require('es5-ext/string/#/contains'),
    d

module.exports = shortOut;

function shortOut(){
    var count = 0;
    for (var i = 0; i < arguments.length; i++) {
        if (typeof arguments[i] == 'string') {
            var arg = arguments[i];
            if (arg == 'return'
                && (arguments.length == 1 || arguments.length == 2)) {
                return result;
            }
        }
    }

    return arguments[0];
}

var INFINITY = 1 / 0;

function shortOut(){
    var count = 0;
    for (var i = 0; i < arguments.length; i++) {
        if (typeof arguments[i] == 'string') {
            var arg = arguments[i];
            if (arg == 'return'
                && (arguments.length == 1 || arguments.length == 2)) {
                return result;
            }
        }
    }

    return arguments[0];
}

function shortOut(){
    var count = 0;
    for (var i = 0; i < arguments.length; i++) {
        if (typeof arguments[i] == 'string') {
            var arg = arguments[i];
            if (arg == 'return'
                && (arguments.length == 1 || arguments.length == 2)) {
                return result;
            }
        }
    }

    return arguments[0];
}

module.exports = shortOut;

var isSymbol = require('./isSymbol'),
    assign = require('es5-ext/object/assign'),
    normalizeOps = require('es5-ext/object/normalize-options'),
    isCallable = require('es5-ext/object/is-callable'),
    contains = require('es5-ext/string/#/contains'),
    d

module.exports = shortOut;

var isArray = require('./isArray'),
    isSymbol = require('./isSymbol');

module.exports = shortOut;

var isKey = require('./_isKey'),
    toKey = require('./_isKey'),
    isAssignable = require('./_isAssign'),
    keys = require('./_keys'),
    value = require('./valid-value'),
    max = Math.max

module.exports = shortOut;

var doc = require('./_global').document;
module.exports = doc.documentElement;

//

```


null
"","/**
  vue-i18n v8.4.0
  * (c) 2018 kazuya kawaguchi
  * Released under the MIT License.
*/

/*
 * vue-i18n v8.4.0
  * (c) 2018 kazuya kawaguchi
  * Released under the MIT License.
*/

// Indicate to webpack that this file can be concatenated

This file is imported into lib/we client bundles.


options.__i18n.forEach(function (resource) {
  localeMessages = merge(localeMessages, JSON.parse(resource));
});
Object.keys(localeMessages).forEach(function (locale) {
  options.i18n.mergeLocaleMessage(locale, localeMessages[locale]);
});
Object.keys(localeMessages).forEach(function (locale) {
  options.i18n.mergeLocaleMessage(locale, localeMessages[locale]);
});
}
try {
  var localeMessages$1 = {};
options.__i18n.forEach(function (resource) {
  localeMessages$1 = merge(localeMessages$1, JSON.parse(resource));
});
options.i18n.messages = localeMessages$1;
} catch (e) {
  if (process.env.NODE_ENV !== 'production') {
    warn("Cannot parse locale messages via custom blocks.");
  }
}
this._i18n = new VueI18n(options.i18n);
this._i18nWatcher = this._i18n.watchI18nData();
this._i18n.subscribeDataChanging(this);
this._subscribing = true;
if (options.i18n.sync === undefined || !!options.i18n.sync) {
  this._localeWatcher = this.$i18n.watchLocale();
}
else if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
  this._i18n = this.$root.$i18n;
  this._i18n.subscribeDataChanging(this);
  this._subscribing = true;
}
else if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
  this._i18n = options.parent.$i18n;
  this._i18n.subscribeDataChanging(this);
  this._subscribing = true;
}
if (options.i18n.sync === undefined || !!options.i18n.sync) {
  this._localeWatcher = this.$i18n.watchLocale();
}
this._i18n.subscribeDataChanging(this);
this._subscribing = true;
if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
  this._i18n = options.parent.$i18n;
  this._i18n.subscribeDataChanging(this);
  this._subscribing = true;
}
beforeDestroy: function beforeDestroy () {
  if (!this._i18n) { return }
  if (this._subscribing) {
    this._i18n.unsubscribeDataChanging(this);
    delete this._subscribing;
  }
  if (this._i18nWatcher) {
    this._i18nWatcher();
    delete this._i18nWatcher;
  }
  if (this._localeWatcher) {
    this._localeWatcher();
    delete this._localeWatcher;
  }
  this._i18n = null;
},

var component = {
  name: 'i18n',
  functional: true,
  props: {
    tag: {
      type: String,
      default: 'span'
    },
    path: {
      type: String,
      required: true
    },
    locale: {
      type: String
    },
    places: {
      type: [Array, Object]
    }
  },
  render: function render (h, ref) {
    var props = ref.props;
    var data = ref.data;
    var children = ref.children;
    var parent = ref.parent;

    var i18n = parent.$i18n;

    children = (children || []).filter(function (child) {
      return child.tag || (child.text = child.text.trim())
    });

    if (!i18n) {
      if (process.env.NODE_ENV !== 'production') {
        warn('Cannot find VueI18n instance!');
      }
      return children
    }

    var path = props.path;
    var locale = props.locale;

    var params = {};
    var places = props.places || {};

    var everyPlace = children.every(function (child, i) {
      return child.data && child.data.attrs && (typeof child.data.attrs.place !== 'undefined')
    });

    if (process.env.NODE_ENV !== 'production') {
      warn('If places prop is set, all child elements must have place prop set.');
    }

    if (everyPlace) {
      var props = ref.props;
      var data = ref.data;
      var children = ref.children;
      var parent = ref.parent;
      var i18n = parent.$i18n;
    }

    var var_path = props.path;
    var var_data = props.data ? props.data : null;
    var var_places = props.places ? props.places : null;
    var var_locale = props.locale;
    var var_params = props.params ? props.params : null;
    var var_children = props.children ? props.children : null;

    return h(props.tag, {
      ...data,
      // children: children.map(function (child) {
      //   return h(props.tag, {
      //     ...data,
      //     ...child.data,
      //     children: child.children
      //   })
      // }, { key: 'children' })
    }, children);
  }
};

/* */

function assert (el, vnode) {
  if (!el || !vnode) { return false }
  if (el.nodeType === 1 && vnode.nodeType === 1) {
    return el === vnode
  }
  return false
}

function bind (el, binding, vnode) {
  if (!assert(el, vnode)) { return }
  t(el, binding, vnode);
}

function update (el, binding, vnode, oldVnode) {
  if (!assert(el, vnode)) { return }
  var i18n = vnode.context.$i18n;
  if (localeEqual(el, vnode) &&
      (looseEqual(binding.value, binding.oldValue) &&
       looseEqual(el._localeMessage, i18n.getLocaleMessage(i18n.locale)))) {
    return
  }
  if (process.env.NODE_ENV !== 'production') {
    warn('Cannot find VueI18n instance!');
  }
  return t(el, binding, vnode);
}

function unbind (el, binding, vnode, oldVnode) {
  var vm = vnode.context;
  if (!vm) { return }
  // do nothing
}
compiled\n}\n\n/* */\n\n/**\n * Path parser\n * - Inspired:\n * Vue.js Path parser\n */\n\n// actions\nvar
APPEND = 0;\nvar PUSH = 1;\nvar INC_SUB_PATH_DEPTH = 2;\nvar PUSH_SUB_PATH = 3;\n\n// states\nvar
BEFORE_PATH = 0;\nvar IN_PATH = 1;\nvar BEFORE_IDENT = 2;\nvar IN_IDENT = 3;\nvar IN_SUB_PATH
= 4;\nvar IN_SINGLE_QUOTE = 5;\nvar IN_DOUBLE_QUOTE = 6;\nvar AFTER_PATH = 7;\nvar ERROR =
8;\n\nvar pathStateMachine = [];\n\npathStateMachine[BEFORE_PATH] = {\n 'ws': [BEFORE_PATH],\n 'ident':
[IN_IDENT, APPEND],\n '[': [IN_SUB_PATH],\n 'eof': [AFTER_PATH]\n};\n\npathStateMachine[IN_PATH] =
{\n 'ws': [IN_PATH],\n '.': [BEFORE_IDENT],\n '[': [IN_SUB_PATH],\n 'eof':
[AFTER_PATH]\n};\n\npathStateMachine[BEFORE_IDENT] = {\n 'ws': [BEFORE_IDENT],\n 'ident':
[IN_IDENT, APPEND],\n '0': [IN_IDENT, APPEND],\n 'number': [IN_IDENT,
APPEND]\n};\n\npathStateMachine[IN_IDENT] = {\n 'ident': [IN_IDENT, APPEND],\n '0': [IN_IDENT,
APPEND],\n 'number': [IN_IDENT, APPEND],\n 'ws': [IN_PATH, PUSH],\n '.': [BEFORE_IDENT, PUSH],\n
'[': [IN_SUB_PATH, PUSH],\n 'eof': [AFTER_PATH, PUSH]\n};\n\npathStateMachine[IN_SUB_PATH] = {\n
\"'\": [IN_SINGLE_QUOTE, APPEND],\n '\"': [IN_DOUBLE_QUOTE, APPEND],\n '[': [IN_SUB_PATH,
INC_SUB_PATH_DEPTH],\n ']': [IN_PATH, PUSH_SUB_PATH],\n 'eof': ERROR,\n 'else': [IN_SUB_PATH,
APPEND]\n};\n\npathStateMachine[IN_SINGLE_QUOTE] = {\n \"'\": [IN_SUB_PATH, APPEND],\n 'eof':
ERROR,\n 'else': [IN_SINGLE_QUOTE, APPEND]\n};\n\npathStateMachine[IN_DOUBLE_QUOTE] = {\n '\"':
[IN_SUB_PATH, APPEND],\n 'eof': ERROR,\n 'else': [IN_DOUBLE_QUOTE, APPEND]\n};\n\n/**\n * Check if
an expression is a literal value.\n */\n\nvar literalValueRE = /^\\s?(?:true|false|?[\\d.]+|'[^']*'|\"[^\"]*\")\\s?$/;\nfunction isLiteral (exp) {\n return literalValueRE.test(exp)\n}\n\n/**\n * Strip
quotes from a string\n */\n\nfunction stripQuotes (str) {\n var a = str.charCodeAt(0);\n var b =
str.charCodeAt(str.length - 1);\n return a === b && (a === 0x22 || a === 0x27)\n ? str.slice(1, -1)\n :
str\n}\n\n/**\n * Determine the type of a character in a keypath.\n */\n\nfunction getPathCharType (ch) {\n if (ch
=== undefined || ch === null) { return 'eof' }\n\n var code = ch.charCodeAt(0);\n\n switch (code) {\n case 0x5B:
// [\n case 0x5D: // ]\n case 0x2E: // .\n case 0x22: // \"\n case 0x27: // '\n
return ch\n\n case 0x5F: // _\n
case 0x24: // $\n case 0x2D: // -\n
return 'ident'\n\n case 0x20: // Space\n case 0x09: // Tab\n case 0x0A:
// Newline\n case 0x0D: // Return\n case 0xA0: // No-break space\n case 0xFEFF: // Byte Order Mark\n
case 0x2028: // Line Separator\n case 0x2029: // Paragraph Separator\n
return 'ws'\n }\n\n return
'ident'\n}\n\n/**\n * Format a subPath, return its plain form if it is\n * a literal string or number. Otherwise prepend
the\n * dynamic indicator (*).\n */\n\nfunction formatSubPath (path) {\n var trimmed = path.trim();\n // invalid
leading 0\n if (path.charAt(0) === '0' && isNaN(path)) { return false }\n\n return isLiteral(trimmed) ?
stripQuotes(trimmed) : '*' + trimmed\n}\n\n/**\n * Parse a string path into an array of segments\n */\n\nfunction
parse$1 (path) {\n var keys = [];\n var index = -1;\n var mode = BEFORE_PATH;\n var subPathDepth = 0;\n var
c;\n var key;\n var newChar;\n var type;\n var transition;\n var action;\n var typeMap;\n var actions = [];\n\n
actions[PUSH] = function () {\n if (key !== undefined) {\n
keys.push(key);\n
key = undefined;\n }\n
};\n\n actions[APPEND] = function () {\n if (key === undefined) {\n
key = newChar;\n } else {\n
key +=
newChar;\n }\n };\n\n actions[INC_SUB_PATH_DEPTH] = function () {\n actions[APPEND]();\n
subPathDepth++;\n };\n\n actions[PUSH_SUB_PATH] = function () {\n if (subPathDepth > 0) {\n
subPathDepth--;\n
mode = IN_SUB_PATH;\n
actions[APPEND]();\n } else {\n
subPathDepth = 0;\n
key = formatSubPath(key);\n
if (key === false) {\n
return false\n
} else {\n
actions[PUSH]();\n
}\n }\n };\n\n function maybeUnescapeQuote () {\n var nextChar = path[index + 1];\n if ((mode ===
IN_SINGLE_QUOTE && nextChar === \"'\") ||\n
(mode === IN_DOUBLE_QUOTE && nextChar === '\"'))
{\n
index++;\n
newChar = '\\\\' + nextChar;\n
actions[APPEND]();\n
return true\n }\n }\n\n while
(mode !== null) {\n index++;\n c = path[index];\n\n if (c === '\\\\' && maybeUnescapeQuote()) {\n
continue\n }\n\n type = getPathCharType(c);\n typeMap = pathStateMachine[mode];\n transition =
typeMap[type] || typeMap['else'] || ERROR;\n\n if (transition === ERROR) {\n
return // parse error\n }\n\n
mode = transition[0];\n action = actions[transition[1]];\n if (action) {\n
newChar = transition[2];\n
newChar = newChar === undefined\n
? c\n
: newChar;\n
if (action() === false) {\n
return\n
}\n
}\n\n if (mode === AFTER_PATH) {\n
return keys\n }\n }\n}\n\n\n\n\n\nvar I18nPath = function I18nPath

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() {\n this._cache = Object.create(null);\n};\n\n/**\n * External parse that check for a cache hit first\n
*/\nI18nPath.prototype.parsePath = function parsePath (path) {\n var hit = this._cache[path];\n if (!hit) {\n hit =
parse$1(path);\n if (hit) {\n
this._cache[path] = hit;\n }\n }\n return hit || []\n};\n\n/**\n * Get path value
from path string\n */\nI18nPath.prototype.getPathValue = function getPathValue (obj, path) {\n if (!isObject(obj)) {
return null }\n\n var paths = this.parsePath(path);\n if (paths.length === 0) {\n return null\n } else {\n var
length = paths.length;\n var last = obj;\n var i = 0;\n while (i < length) {\n
var value = last[paths[i]];\n
if
(value === undefined) {\n
return null\n
}\n
last = value;\n
i++;\n }\n\n return last\n }\n};\n\n/*
*/\n\n\n\nvar numberFormatKeys = [\n 'style',\n 'currency',\n 'currencyDisplay',\n 'useGrouping',\n
'minimumIntegerDigits',\n 'minimumFractionDigits',\n 'maximumFractionDigits',\n 'minimumSignificantDigits',\n
'maximumSignificantDigits',\n 'localeMatcher',\n 'formatMatcher'\n];\nvar linkKeyMatcher = /(?:@(?:\\.[az]+)?:(?:[\\w\\-_|.]+|\\([\\w\\-_|.]+\\)))/g;\nvar linkKeyPrefixMatcher = /^@(?:\\.([a-z]+))?:/;\nvar bracketsMatcher =
/[()]/g;\nvar formatters = {\n 'upper': function (str) { return str.toLocaleUpperCase(); },\n 'lower': function (str) {
return str.toLocaleLowerCase(); }\n};\n\nvar VueI18n = function VueI18n (options) {\n var this$1 = this;\n if (
options === void 0 ) options = {};\n\n // Auto install if it is not done yet and `window` has `Vue`.\n // To allow
users to avoid auto-installation in some cases,\n // this code should be placed here. See #290\n /* istanbul ignore if
*/\n if (!Vue && typeof window !== 'undefined' && window.Vue) {\n install(window.Vue);\n }\n\n var locale =
options.locale || 'en-US';\n var fallbackLocale = options.fallbackLocale || 'en-US';\n var messages =
options.messages || {};\n var dateTimeFormats = options.dateTimeFormats || {};\n var numberFormats =
options.numberFormats || {};\n\n this._vm = null;\n this._formatter = options.formatter || new BaseFormatter();\n
this._missing = options.missing || null;\n this._root = options.root || null;\n this._sync = options.sync === undefined
? true : !!options.sync;\n this._fallbackRoot = options.fallbackRoot === undefined\n ? true\n :
!!options.fallbackRoot;\n this._silentTranslationWarn = options.silentTranslationWarn === undefined\n ? false\n
: !!options.silentTranslationWarn;\n this._dateTimeFormatters = {};\n this._numberFormatters = {};\n this._path =
new I18nPath();\n this._dataListeners = [];\n\n this._exist = function (message, key) {\n if (!message || !key) {
return false }\n return !isNull(this$1._path.getPathValue(message, key))\n };\n\n this._initVM({\n locale:
locale,\n fallbackLocale: fallbackLocale,\n messages: messages,\n dateTimeFormats: dateTimeFormats,\n
numberFormats: numberFormats\n });\n};\n\nvar prototypeAccessors = { vm: { configurable: true },messages: {
configurable: true },dateTimeFormats: { configurable: true },numberFormats: { configurable: true },locale: {
configurable: true },fallbackLocale: { configurable: true },missing: { configurable: true },formatter: { configurable:
true },silentTranslationWarn: { configurable: true } };\n\nVueI18n.prototype._initVM = function _initVM (data) {\n
var silent = Vue.config.silent;\n Vue.config.silent = true;\n this._vm = new Vue({ data: data });\n
Vue.config.silent = silent;\n};\n\nVueI18n.prototype.subscribeDataChanging = function subscribeDataChanging
(vm) {\n this._dataListeners.push(vm);\n};\n\nVueI18n.prototype.unsubscribeDataChanging = function
unsubscribeDataChanging (vm) {\n remove(this._dataListeners, vm);\n};\n\nVueI18n.prototype.watchI18nData =
function watchI18nData () {\n var self = this;\n return this._vm.$watch('$data', function () {\n var i =
self._dataListeners.length;\n while (i--) {\n
Vue.nextTick(function () {\n
self._dataListeners[i] &&
self._dataListeners[i].$forceUpdate();\n
});\n }\n }, { deep: true })\n};\n\nVueI18n.prototype.watchLocale =
function watchLocale () {\n /* istanbul ignore if */\n if (!this._sync || !this._root) { return null }\n var target =
this._vm;\n return this._root.$i18n.vm.$watch('locale', function (val) {\n target.$set(target, 'locale', val);\n
target.$forceUpdate();\n }, { immediate: true })\n};\n\nprototypeAccessors.vm.get = function () { return this._vm
};\n\nprototypeAccessors.messages.get = function () { return looseClone(this._getMessages())
};\nprototypeAccessors.dateTimeFormats.get = function () { return looseClone(this._getDateTimeFormats())
};\nprototypeAccessors.numberFormats.get = function () { return looseClone(this._getNumberFormats())
};\n\nprototypeAccessors.locale.get = function () { return this._vm.locale };\nprototypeAccessors.locale.set =
function (locale) {\n this._vm.$set(this._vm, 'locale', locale);\n};\n\nprototypeAccessors.fallbackLocale.get =
function () { return this._vm.fallbackLocale };\nprototypeAccessors.fallbackLocale.set = function (locale) {\n
this._vm.$set(this._vm, 'fallbackLocale', locale);\n};\n\nprototypeAccessors.missing.get = function () { return
this._missing };\nprototypeAccessors.missing.set = function (handler) { this._missing = handler;

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VueI18n.prototype._warnDefault = function _warnDefault (locale, key, result, vm, values) {
  if (!isNull(result)) { return result }
  if (this._missing) {
    var missingRet = this._missing.apply(null,
      [locale, key, result, vm, values]);
    if (typeof missingRet === 'string') {
      return missingRet
    } else {
      if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
        warn("Cannot translate the value of keypath '" + key + '". Use the value of keypath as default.'
      );
    }
  }
  return
};

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
  return !val && !isNull(this._root) && this._fallbackRoot
};

VueI18n.prototype._interpolate = function _interpolate (
  locale,
  message,
  key,
  host,
  interpolateMode,
  values,
  visitedLinkStack
) {
  if (!message) { return
null }

  var pathRet = this._path.getPathValue(message, key);
  if (Array.isArray(pathRet) || isPlainObject(pathRet)) { return pathRet }

  var ret;
  if (isNull(pathRet)) {
    /* istanbul ignore else */
    if (isPlainObject(message)) {
      ret = message[key];
      if (typeof ret !== 'string') {
        if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
          warn(("Value of key '" + key + "' is not a string!");
        }
        return null
      }
    } else {
      return null
    }
  } else {
    /* istanbul ignore else */
    if (typeof pathRet === 'string') {
      ret = pathRet;
    } else {
      if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
        warn(("Value of key '" + key + "' is not a string!");
      }
      return null
    }
  }

  // Check for the existence of links within the translated string
  if (ret.indexOf('@:') >= 0 || ret.indexOf('@.') >= 0) {
    ret = this._link(locale, message, ret, host,
      interpolateMode, values, visitedLinkStack);
  }

  return this._render(ret, interpolateMode,
    interpolateMode === 'raw' ? undefined : values,
    visitedLinkStack
  );

  return
};

VueI18n.prototype._link = function _link (
  locale,
  message,
  str,
  host,
  interpolateMode,
  values,
  visitedLinkStack
) {
  var this$1 = this;

  var ret = str;

  // Match all the links within the local
  // We are going to replace each of
  // them with its translation
  var matches = ret.match(linkKeyMatcher);
  for (var idx in matches) {
    // ie compatible: filter custom array
    // prototype method
    if (!matches.hasOwnProperty(idx)) {
      continue
    }
    var link = matches[idx];
    var linkKeyPrefixMatches = link.match(linkKeyPrefixMatcher);
    var linkPrefix = linkKeyPrefixMatches[0];
    var formatterName = linkKeyPrefixMatches[1];
    // Remove the leading @:, @.case: and the brackets
    var varLinkPlaceholder = link.replace(linkPrefix, ",;');
    // Match all the links within the local
    // We are going to replace each of
    // them with its translation
    var matches = ret.match(linkKeyMatcher);
    for (var idx in matches) {
      // ie compatible: filter custom array
      // prototype method
      if (!matches.hasOwnProperty(idx)) {
        continue
      }
      var varLink = matches[idx];
      var varLinkPrefix = linkKeyPrefixMatches[0];
      var formatterName = linkKeyPrefixMatches[1];
    }

    /* istanbul ignore else */
    var varLinkPlaceholder = link.replace(linkPrefix, ",;');
    if (visitedLinkStack.includes(varLinkPlaceholder)) {
      if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
        warn("Circular reference found. \"" + varLink + "\" is already visited in the chain of " +
      (visitedLinkStack.reverse().join(' <- ')));
    }
    // Translate the link
    if (process.env.NODE_ENV !== 'production') {
      throw Error("unexpected error' + varLink);
    }
    var translated = this._interpolate(
      locale,
      message,
      varLink,
      host,
      interpolateMode,
      values,
      visitedLinkStack
    );
    if (translated) {
      // Replace the link with the translated
      ret = ret.replace(link, translated);
    } else {
      return ret
    }
  }

  return ret
};

VueI18n.prototype._render = function _render (message,
  interpolateMode,
  values)

interpolateMode === 'string' ? ret.join('') : ret
};

VueI18n.prototype._translate = function _translate (
  messages, locale, fallback, key, ret, interpolateMode, args
) {
  var res = this._translate(messages, locale, fallback, key, host, interpolateMode, args, [key]);
  if (!isNull(res)) { return res }
  var parsedArgs = parseArgs.apply(void 0, values); var locale = parsedArgs.locale || locale;
  var ret = this._translate(messages, locale, fallback, locale, interpolateMode, args); if (isNull(res)) { return res }
  return res;
};

VueI18n.prototype._t = function _t (key, _locale, messages, host) {
  var values = [], len = arguments.length - 4;
  while ( len-- > 0 ) values[ len ] = arguments[ len + 4 ];
  if (!key) { return '' }
  var parsedArgs = parseArgs.apply(void 0, values); var locale = parsedArgs.locale || _locale;
  var ret = this._translate(messages, locale, fallback, locale, interpolateMode, args, [key]);
  if (this._isFallbackRoot(ret)) {
    /* istanbul ignore if */
    if (!this._root) { throw Error('unexpected error') }
    return (ref = this._root).$t.apply(ref, [ key ].concat( values ))
  } else {
    return this._warnDefault(locale, key, ret, values)
  }
};

VueI18n.prototype._i = function _i (key, locale, messages, host, values) {
  var ret = this._translate(messages, locale, fallback, locale, interpolateMode, args, [key]);
  if (this._isFallbackRoot(ret)) {
    /* istanbul ignore if */
    if (!this._root) { throw Error('unexpected error') }
    return this._root.$i18n.i(key, locale, values)
  } else {
    return this._warnDefault(locale, key, ret, values)
  }
};

VueI18n.prototype._tc = function _tc (key, _locale, messages, host, choice) {
  var values = [], len = arguments.length - 5;
  while ( len-- > 0 ) values[ len ] = arguments[ len + 5 ];
  if (!key) { return '' }
  var predefined = { 'count': choice, 'n': choice };
  var parsedArgs = parseArgs.apply(void 0, values);
  parsedArgs.params = Object.assign(predefined, parsedArgs.params);
  values = parsedArgs.locale === null ? [parsedArgs.params] : [parsedArgs.locale, parsedArgs.params];
  return this.fetchChoice((ref = this)._t.apply(ref, [ key, _locale, messages, host ].concat( values ))), choice)
  if (choice === undefined) { return 1 }
  return this.fetchChoice(messages, locale, messages, host, { choice: choice }, choice)
};

VueI18n.prototype.fetchChoice = function fetchChoice (message, choice) {
  /* istanbul ignore if */
  if (!message || typeof message !== 'string') { return null }
  var choices = message.split('|');

  choice = this.getChoiceIndex(choice, choices.length);
  if (!choices[choice]) { return message }
  return choices[choice].trim()
};

VueI18n.prototype.getChoiceIndex = function getChoiceIndex (choice, choicesLength) {
  choice = Math.abs(choice);

  if (choicesLength === 2) {
    return (choice > 1) ? 1 : 0
  }
  return Math.min(choice, 2) : 0;
};

VueI18n.prototype.mergeLocaleMessage = function mergeLocaleMessage (locale, message) {
  return this._vm.$set(this._vm.messages, locale, message)
};

VueI18n.prototype.localeMessage = function localeMessage (locale) {
  return this._getMessages().localeMessage(locale)
};

VueI18n.prototype.setLocaleMessage = function setLocaleMessage (locale, message) {
  this._setLocaleMessage(locale, message)
};

VueI18n.prototype.getLocaleMessage = function getLocaleMessage (locale) {
  return this._getMessages().localeMessage(locale)
};

VueI18n.prototype._getMessages = function _getMessages () {
  return this.$refs.i18n._getMessages()
};

VueI18n.prototype._vm = function _vm () {
  return this.$refs.i18n._vm() || {};
};

VueI18n.prototype._getDepumper = function _getDepumper () {
  return this.$refs.i18n._getDepumper()
};
message));

VueI18n.prototype.getDateTimeFormat = function getDateTimeFormat (locale) {
  return looseClone(this._vm.dateTimeFormats[locale] || {});
}

VueI18n.prototype.setDateTimeFormat = function setDateTimeFormat (locale, format) {
  this._vm.$set(this._vm.dateTimeFormats, locale, format);
}

VueI18n.prototype.mergeDateTimeFormat = function mergeDateTimeFormat (locale, format) {
  merge(this._vm.dateTimeFormats, locale, format);
}

VueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallback, dateTimeFormats, key) {
  var _locale = locale;
  var formats = dateTimeFormats[_locale] || {};

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    if (process.env.NODE_ENV !== 'production') {
      warn(("Fall back to " + fallback + " datetime formats from " + locale + " datetime formats."));
    }
    _locale = fallback;
    formats = dateTimeFormats[_locale] || {};
  }

  if (isNull(formats) || isNull(formats[key])) {
    return null
  } else {
    var format = formats[key];
    var id = _locale + "__" + key;
    var formatter = this._dateTimeFormatters[id];
    if (!formatter) {
      formatter = this._dateTimeFormatters[id] = new Intl.DateTimeFormat(_locale, format);
    }
    return formatter.format(value)
  }
}

VueI18n.prototype.d = function d (value) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && !VueI18n.availabilities.dateTimeFormat) {
    warn('Cannot format a Date value due to not supported Intl.DateTimeFormat.');
    return ''
  }

  if (!key) {
    return new Intl.DateTimeFormat(locale).format(value)
  }

  var ret =
    this._localizeDateTime(value, locale, this.fallbackLocale, this._getDateTimeFormats(), key);
  if (this._isFallbackRoot(ret)) {
    if (process.env.NODE_ENV !== 'production') {
      warn(("Fall back to datetime localization of root: key '" + key + "' ."));
    }
    /* istanbul ignore if */
    if (!this._root) { throw Error('unexpected error') }
    return this._root.$i18n.d(value, key, locale)
  } else {
    return ret || ''
  }
}

VueI18n.prototype.getNumberFormat = function getNumberFormat (locale) {
  return looseClone(this._vm.numberFormats[locale] || {});
}

VueI18n.prototype.setNumberFormat = function setNumberFormat (locale, format) {
  this._vm.$set(this._vm.numberFormats, locale, format);
}

VueI18n.prototype.mergeNumberFormat = function mergeNumberFormat (locale, format) {
  this._vm.$set(this._vm.numberFormats, locale, merge(this._vm.numberFormats[locale] || {}, format));
}

VueI18n.prototype._localizeNumber = function _localizeNumber (value, locale, fallback, numberFormats, key, options) {
  var _locale = locale;
  var formats = numberFormats[_locale] || {};

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    if (process.env.NODE_ENV !== 'production') {
      warn(("Fall back to " + fallback + " number formats from " + locale + " number formats."));
    }
    _locale = fallback;
    formats = numberFormats[_locale] || {};
  }

  if (isNull(formats) || isNull(formats[key])) {
    return null
  } else {
    var format = formats[key];
    var id = _locale + "__" + key;
    var formatter = this._numberFormatters[id];
    if (!formatter) {
      formatter = this._numberFormatters[id] = new Intl.NumberFormat(_locale, format);
    }
    return formatter.format(value)
  }
}

VueI18n.prototype.n = function n (value, locale, options) {
  /* istanbul ignore if */
  if (!VueI18n.availabilities.numberFormat) {
    if (process.env.NODE_ENV !== 'production') {
      warn('Cannot format a Number value due to not supported Intl.NumberFormat.');
    }
    return ''
  }

  if (!key) {
    var nf = !options ? new Intl.NumberFormat(locale) : new Intl.NumberFormat(locale, options);
    return nf.format(value)
  }

  var ret =
    this._localizeNumber(value, locale, this.fallbackLocale, this._getNumberFormats(), key, options);
  if (this._isFallbackRoot(ret)) {
    if (process.env.NODE_ENV !== 'production') {
      warn(("Fall back to number localization of root: key '" + key + "' ."));
    }
    /* istanbul ignore if */
    if (!this._root) { throw Error('unexpected error') }
    return this._root.$i18n.n(value, Object.assign({}, { key: key, locale: locale }));
  } else {
    return ret || ''
  }
}
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```javascript
function n (value) {
    var args = [], len = arguments.length - 1;
    while (len-- > 0) args[len] = arguments[len + 1];
    for (var k in args) {
        if (typeof args[k] === 'string') {
            args[k] = args[0][k];
        }
    }
    return args[0].locale ? args[0].locale : args[1];
}

VueI18n.prototype.n = function n (value) {
    var args = [], len = arguments.length - 1;
    while (len-- > 0) args[len] = arguments[len + 1];

    var locale = this.locale;
    var key = null;
    var options = null;

    if (args.length === 1) {
        if (typeof args[0] === 'string') {
            key = args[0];
        } else if (isObject(args[0])) {
            if (args[0].locale) {
                locale = args[0].locale;
            }
            if (args[0].key) {
                key = args[0].key;
            }
        } else if (args.length === 2) {
            if (typeof args[0] === 'string') {
                key = args[0];
            }
            if (typeof args[1] === 'string') {
                key = args[0][key];
            } else if (typeof args[1] === 'object') {
                if (numberFormatKeys.includes(key)) {
                    return Object.assign({}, (obj = {}, obj[key] = args[0][key], obj));
                }
                return Object.assign({}, options, args[0].options);
            }
        }
    }

    var value = this._n(value, locale, key, options);
    return value;
}

VueI18n.availabilities = {
    dateTimeFormat: canUseDateTimeFormat,
    numberFormat: canUseNumberFormat
};
VueI18n.install = install;
VueI18n.version = '8.4.0';

export default VueI18n;
```

```javascript
import Vue from 'vue'
import VueI18n from 'vue-i18n'

Vue.use(VueI18n)

function loadLocaleMessages () {
  const messages = {}
  locales.keys().forEach(key => {
    const matched = key.match(/([A-Za-z0-9-_,\s]+)\./i)
    if (matched && matched.length > 1) {
      const locale = matched[1]
      messages[locale] = locales(key)
    }
  })
  return messages
}

export default new VueI18n({
  locale: process.env.VUE_APP_I18N_LOCALE || 'en',
  fallbackLocale: process.env.VUE_APP_I18N_FALLBACK_LOCALE || 'en',
  messages: loadLocaleMessages()
})
```
```javascript
*An rows: {
  type: Array
}

/**
 * The size of the background gradient with the elapsing effect.
 */
*An size: {
  type: String,
  default: '250%',
  computed: {
    formattedRows () {
      return formatRows(this.rows, 'content-placeholder__wrapper__row__box')
    }
  }
}

/**
 * The size of the background gradient with the elapsing effect.
 */
*An background: {
  type: Object
}

*/
  rows: {
    type: Array
  },
  /**
   * The size of the background gradient with the elapsing effect.
   */
  size: {
    type: String,
    default: '250%'
  }
}
</script>

<style scoped

@import '../styles/lib';

@keyframes placeHolderShimmer{
  0%{
    background-position:
    100% 0
  }
  100%{
    background-position: -100% 0
  }
}

.content-placeholder {
  overflow: hidden;

  &__wrapper {
    animation-duration: 1s;
    animation-fill-mode: forwards;
    animation-iteration-count: infinite;
    animation-name: placeHolderShimmer;
    animation-timing-function: linear;
  }
  background: #f6f7f8;
  background: linear-gradient(to right, #eeeeee 8%, #dddddd 18%, #eeeeee 33%);
  position: relative;
  width: 100%;
  box-sizing: border-box;
  display: flex;
  flex: 0 1 auto;
  flex-direction: row;
  flex-wrap: wrap;
  &__box {
    box-sizing: border-box;
    position: relative;
    height: 100%;
    margin-bottom: 0;
    background-color: white;
    overflow: hidden;
  }
}
</style>

```


// IMPORTANT: Do NOT use ES2015 features in this file (except for modules). This module is a runtime utility for cleaner component module output and will be included in the final webpack user bundle.\n\n// exported default function normalizeComponent (\n  scriptExports,\n  render,\n  staticRenderFns,\n  functionalTemplate,\n  injectStyles,\n  scopedId,\n  moduleIdentifier, /* server only */\n  shadowMode /* vue-cli only */\n) {
  // Vue.extend constructor export interop
  var options = typeof scriptExports === 'function' ?
    scriptExports.options
    : scriptExports

  // render functions
  if (render) {
    options.render = render
    options.staticRenderFns = staticRenderFns
    options._compiled = true
    options._injectStyles = injectStyles
    options._scopeId = scopeId
    options._ssrRegister = hook
    options._registerComponents.add(moduleIdentifier)
  }

  return {
    exports: scriptExports,
    options: options
  }
```

```javascript
import { render, staticRenderFns } from "./ContentPlaceholder.vue?vue&type=template&id=40e3a912&scoped=true&"
import script from "./ContentPlaceholder.vue?vue&type=script&lang=js&" export * from "./ContentPlaceholder.vue?vue&type=script&lang=js&"
import style0 from "./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&"```
```
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "40e3a912",
  null
  
)

component.options.__file =
"ContentPlaceholder.vue"
export default component.exports

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;var _c = _vm._self._c||_h;return _c('div',[_c('h2',[_c('strong',[_vm._v("Content Placeholder")])]),_c('div',[_c('label',[_vm._v("Amount")])]),_c('input',[_c('input',[_vm._v("0")])]),_c('button',[_vm._v("Submit")])])
}
```

```
export function(Sevent) { return false }]
```

```
`
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resolved with itself.

if (newValue && typeof newValue === 'object')
    if (newValue instanceof Promise) {
        self._state = 3;
        self._value = newValue;
        finale(self);
    } else if (typeof then === 'function') {
        doResolve(bind(then, newValue), self);
        return;
    }

    if (newValue && (typeof newValue === 'object' || typeof newValue === 'function')) {
        var then = newValue.then;
        if (newValue instanceof Promise) {
            self._state = 3;
            self._value = newValue;
            finale(self);
        } else if (typeof then === 'function') {
            doResolve(bind(then, newValue), self);
            return;
        }
    }

    self._state = 1;
    self._value = newValue;
    finale(self);

} catch (e) {
    reject(self, e);
}

function reject(self, newValue) {
    self._state = 2;
    self._value = newValue;
    finale(self);
}

function finale(self) {
    if (self._state === 2 && self._deferreds.length === 0) {
        Promise._immediateFn(function() {
            if (!self._handled) {
                Promise._unhandledRejectionFn(self._value);
            }
        });
    }

    for (var i = 0, len = self._deferreds.length; i < len; i++) {
        handle(self, self._deferreds[i]);
    }
    self._deferreds = null;
}

/**
 * @constructor
 */
function Handler(onFulfilled, onRejected, promise) {
    this.onFulfilled = typeof onFulfilled === 'function' ? onFulfilled : null;
    this.onRejected = typeof onRejected === 'function' ? onRejected : null;
    this.promise = promise;
}

/**
 * Take a potentially misbehaving resolver function and make sure
 * it doesn't resolve or reject anymore than once.
 *
 * Makes no guarantees about asynchrony.
 */
function doResolve(fn, self) {
    var done = false;
    try {
        fn(
            function(value) {
                if (done) return;
                done = true;
                resolve(self, value);
            },
            function(reason) {
                if (done) return;
                done = true;
                reject(self, reason);
            }
        );
    } catch (ex) {
        if (done) return;
        done = true;
        reject(self, ex);
    }
}

Promise.prototype['catch'] = function(onRejected) {
    return this.then(null, onRejected);
};

Promise.prototype.then = function(onFulfilled, onRejected) {
    // @ts-ignore
    var prom = this.constructor(onFulfilled, onRejected, this.promises);
    handle(prom, self, this.onFulfilled, this.onRejected);
    return prom;
};

Promise.prototype['finally'] = promiseFinally;

Promise.all = function(arr) {
    return new Promise(function(resolve, reject) {
        if (!arr || typeof arr.length === 'undefined')
            throw new TypeError('Promise.all accepts an array');
        var args = Array.prototype.slice.call(arr);
        var remaining = arr.length;
        function promise(res(i, val)) {
            return new Promise(function(resolve, reject) {
                resolve(val);
                reject.value;
            });
        }
        function resolve(value) {
            return new Promise(function(resolve) {
                resolve(value);
            });
        }
        function reject(reason) {
            reject(reason);
        }
    });
};

Promise.resolve = function(value) {
    if (value && typeof value === 'object' && value.constructor === Promise) {
        return value;
    }

    return new Promise(function(resolve) {
        resolve(value);
    });
};

Promise.reject = function(value) {
    return new Promise(function(resolve, reject) {
        reject(value);
    });
};

Promise.race = function(values) {
    return new Promise(function(resolve, reject) {
        for (var i = 0, len = values.length; i < len; i++) {
            values[i].then(resolve, reject);
        }
    });
};

export default Promise;

import memoize from 'lodash/memoize'
import flatten from 'lodash/flatten'
import Promise from 'promise-polyfill';

export const injectAsset = memoize(function(file) {
    return new Promise(resolve => {
        const parent = document.querySelector("body") ||
            document.querySelector("head");
        const parts = file.split(".");
        const ext = parts[parts.length - 1].toLowerCase();
        switch(ext) {
            case "js":
                var script = document.createElement('script');
                script.setAttribute("type", "text/javascript");
                script.onload = resolve;
                parent.appendChild(script);
                break;
            case "css":
                var css = document.createElement('link');
                css.setAttribute("rel", "stylesheet");
                css.onload = resolve;
                parent.appendChild(css);
                break;
        }
    })
});

export const injectAssets = function() {
    const files = flatten(arguments)
    return new Promise(resolve => {
        var filesLoaded = 0;
        var allFilesLoaded = function() {
            if (filesLoaded === files.length) {
                resolve();
                return;
            }
        }
        for(var i=0; i < files.length ; i++) {
            injectAsset(files[i]).then(allFilesLoaded)
        }
    })


```javascript
import every from 'lodash/every'
import { injectAssets } from './assets'

export default class IframeResizer {
  constructor () {
    this.initializer = injectAssets('//pym.nprapps.org/pym.v1.min.js').then(() => {
      pymChild = pymChild || new window.pym.Child({ polling: 300 })
      return pymChild
    })
    return this.initializer
  }
  sendHeight () {
    this.initializer.then(pymChild => pymChild.sendHeight())
  }
  static create () {
    return new IframeResizer()
  }
  static template(url, id = 'icij-' + Date.now().toString(32)) {
    return [
      `<script type="text/javascript" src="https://pym.nprapps.org/pym.v1.min.js"></script>`,
      `<div id="${id}"`,
      `<script>`,
      `var icijIframe = new pym.Parent("${id}"`,
      `"${IframeResizer.deletePymParams(url)}", {})`,
      `</script>`,
      `</div>`,
    ].join('<')
  }
  static deletePymParams(href = window.location.href) {
    const url = new URL(href);
    for (let param of pymParams) url.searchParams.delete(param);
    return url.href
  }
  static isEmbedded (href = window.location.href) {
    const url = new URL(href);
    return every(pymParams, param => url.searchParams.has(param))
  }
}
```

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```javascript
// Production steps of ECMA-262, Edition 6, 22.1.2.1
if (!Array.from) {
  // eslint-disable-next-line no-extend
  Array.from = function () {
    var toStr = Object.prototype.toString;
    var isCallable = function isCallable(fn) {
      return typeof fn === 'function' || toStr.call(fn) === '
    };
    var toInteger = function toInteger(value) {
      var number = Number(value);
      if (isNaN(number)) {
        return 0;
      }
      if (number === 0 || !isFinite(number)) {
        return number;
      }
      return (number > 0 ? 1 : -1) *
    };

    // The length property of the from method is 1.
    return function from(arrayLike /*, mapFn, thisArg */) {
      // 1. Let C be the this value.
      var C = this;

      // 2. Let items be ToObject(arrayLike).
      var items = Object(arrayLike);

      // 3. ReturnIfAbrupt(items).
      if (arrayLike == null) {
        throw new TypeError('Array.from requires an array-like object - not null or undefined');
      }

      // 4. If mapFn is undefined, then let mapping be false.
      var mapFn = arguments.length > 1 ? arguments[1] : void undefined;
      var toLength = function toLength(value) {
        return Math.min(Math.max(toInteger(value), 0), maxSafeInteger);
      };

      // 5. a If IsCallable(mapFn) is false, throw a TypeError exception.
      if (!isCallable(mapFn)) {
        throw new TypeError('Array.from: when provided, the second argument must be a function');
      }

      var len = toLength(items.length);
      var result = new Array(len);

      // 6. a. If thisArg was supplied, let T be thisArg; else let T be undefined.
      var T = void undefined;

      // 7. Repeat, while k < len…
      // (also steps a-h)
      while (k < len) {
        result[k] = mapFn.call(T, items[k], k);
        k += 1;
      }
      // 8. Return new ArrayLike('T', result, 'length', 'constructor').
      return new ArrayLike('T', result, 'length', 'constructor');
    };
  };

  // https://tc39.github.io/ecma262/#sec-array.prototype.find
  if (!Array.prototype.find) {
    // eslint-disable-next-line no-extend
    Array.prototype.find = function () {
      var self = this, len = this.length, i = 0, n = arguments.length;

      // 1. Let O be Object(thisValue).
      var O = Object(self);

      // 2. Let len be ToLength(lenValue).
      var len = toLength(lenValue);

      // 3. Let valueOf be ToObject(value).
      var valueOf = arguments.length > 1 ? arguments[1] : void undefined;

      // 4. If nargin is 1, then let valueOf be undefined.
      var valueOf = void undefined;

      // 5. If IsCallable(valueOf) is false, throw a TypeError exception.
      if (!isCallable(valueOf)) {
        throw new TypeError('Array.prototype.find: when provided, the second argument must be a function');
      }

      // 6. Repeat, while i < len…
      while (i < len) {
        if (valueOf.call(O, thisArg, i)) {
          return i;
        }

        i += 1;
      }

      // 7. Return undefined.
      return void undefined;
    };

    // https://tc39.github.io/ecma262/#sec-array.prototype.find
    if (Array.prototype.find) {
      // eslint-disable-next-line eslint-disable-next-line no-extend
      return;
    }
  }

// Production steps of ECMA-262, Edition 6, 22.1.2.1
if (!Object.is) {
  Object.is = function (x, y)
```
native
Object.defineProperty(Array.prototype, 'find', { value: function value(predicate) { 
  let O = this; 
  if (O == null) { throw new TypeError('Array.prototype.find() is not allowed for null or undefined'); } 
  var k = 0; 
  while (true) { 
    var kValue = O[k]; 
    if (predicate.call(this, kValue, k, O)) { return kValue; } 
    k++; 
  } 
} });

if (!Array.isArray) { 
  Array.isArray = function (arg) { return typeof arg === 'object' && !Array.isNullOrUndefined(arg); };
}

// Static
export var from = Array.from;
export var isArray = Array.isArray;

// Instance
export var arrayIncludes = function arrayIncludes(array, value) { return array.some(value); };
export var arrayFind = function arrayFind(array, fn, thisArg) { return array.find(fn, thisArg); };
export function concat() { return Array.prototype.concat.apply([], arguments); }

// Use function identity
function identity(x) { return x; }

// Import
import { keys } from './object';
import { isArray } from './array';
import identity from './identity';

/**
 * Given an array of properties or an object of property keys,
 * plucks all the values off the target object.
 * @param {{}|string[]} keysToPluck
 * @param {{}} objToPluck
 * @param {Function} transformFn
 * @return {{}}
 */
export default function pluckProps(keysToPluck, objToPluck) { 

  return (isArray(keysToPluck) ? keysToPluck.slice() : keys(keysToPluck)).reduce(function (memo, prop) { 
    // eslint-disable-next-line no-sequences
    return memo[transformFn(prop)] = objToPluck[prop], memo;
  }, {});
}

// Determine if an element is an HTML Element
export var isElement = function isElement(el) { return el && el.nodeType === Node.ELEMENT_NODE; }

// Determine if an HTML element is visible - Faster than CSS check
export var isVisible = function isVisible(el) { return isElement(el) && document.body.contains(el) && el.getBoundingClientRect().height > 0 && el.getBoundingClientRect().width > 0; }

// Determine if an element is disabled
export var isDisabled = function isDisabled(el) { return !isElement(el) || el.disabled || el.classList.contains('disabled') || Boolean(el.getAttribute('disabled')); }

// Cause/wait-for an element to reflow its content (adjusting its height/width)
export var reflow = function reflow(el) { return isElement(el) && el.offsetHeight; }

// Select all elements matching selector. Returns [] if none found
export var selectAll = function selectAll(selector, root) { 
  if (!isElement(root)) { 
    root = document;
  }
  return arrayFind(root.querySelectorAll(selector));
}

// Select a single element, returns null if not found
export var select = function select(selector, root) { 
  if (!isElement(root)) { 
    root = document;
  }
  return root.querySelector(selector) || null;
}

// Determine if an element matches a selector
export var matches = function matches(el, selector) { return isElement(el) && el.matches(selector); }

// Find closest element matching selector. Returns null if not found
export var closest = function closest(selector, root) { 
  if (!isElement(root)) { 
    return null;
  }
  // Since we dont support IE < 10, we can use the "Matches" version of the polyfill
  // Prefer native implementation over polyfill function
  var Matches = proto.matches || proto.webkitMatchesSelector || proto.mozMatchesSelector || proto.oMatchesSelector || proto.msMatchesSelector || proto.matches || function (selector) { return root.querySelectorAll(selector).length > 0; };
  // Select a single element, returns null if not found
  return Matches.call(root, selector) || null;
}

// Prefer native implementations over polyfill function
var proto = Element.prototype;
var Matches = proto.matches || proto.webkitMatchesSelector || proto.mozMatchesSelector || proto.oMatchesSelector || proto.msMatchesSelector || proto.matches || function (selector) { return root.querySelectorAll(selector).length > 0; };

// Since we dont support IE < 10, we can use the "Matches" version of the polyfill
// Prefer native implementation over polyfill function
var closest = Element.prototype.closest || function (selector) { return root.querySelectorAll(selector).length > 0; };

// Use our "patched"
matches function
  if (matches(element, sel)) {
    return element;
  }

  while (element !== null) {
    var el = element.parentElement;
    // Emulate jQuery closest and return null if match is the passed in element (root)
    return el === root ? null : el;
  }

  // Get an element given an ID
  function getEId(id) {
    return document.getElementById('#' + id) || null;
  }

  // Add a class to an element
  function addClass(el, className) {
    if (className && isElement(el)) {
      el.classList.add(className);
    }
  }

  // Remove a class from an element
  function removeClass(el, className) {
    if (className && isElement(el)) {
      el.classList.remove(className);
    }
  }

  // Test if an element has a class
  function hasClass(el, className) {
    return el.classList.contains(className);
  }

  // Set an attribute on an element
  function setAttr(el, attr, value) {
    if (attr && isElement(el)) {
      el.setAttribute(attr, value);
    }
  }

  // Remove an attribute from an element
  function removeAttr(el, attr) {
    if (attr && isElement(el)) {
      el.removeAttribute(attr);
    }
  }

  // Get an attribute value from an element
  function getAttr(el, attr) {
    return el.getAttribute(attr);
  }

  // Determine if an attribute exists on an element
  function hasAttr(el, attr) {
    return el.hasAttribute(attr);
  }

  // Return the Bounding Client Rect of an element
  function getBCR(el) {
    return isElement(el) ? el.getBoundingClientRect() : null;
  }

  // Get computed style object for an element
  function getCS(el) {
    return isElement(el) ? window.getComputedStyle(el) : {};
  }

  // Return an element's offset wrt document element
  function offset(el) {
    if (isElement(el)) {
      if (!el.getClientRects().length) {
        return { top: 0, left: 0 };
      }
      var bcr = getBCR(el);
      var win = el.ownerDocument.defaultView;
      return {
        top: bcr.top + win.pageYOffset,
        left: bcr.left + win.pageXOffset
      };
    }
  }

  // Return an element's offset wrt to its offsetParent
  function position(el) {
    if (!isElement(el)) {
      return;
    }
    var parentOffset = { top: 0, left: 0 };
    var offsetSelf = void 0;
    var offsetParent = void 0;
    if (getCS(el).position === 'fixed') {
      offsetSelf = getBCR(el);
    } else {
      offsetSelf = offset(el);
      var doc = el.ownerDocument;
      offsetParent = el.offsetParent || doc.documentElement;
      while (offsetParent && (offsetParent === doc.body || offsetParent === doc.documentElement) &&
        getCS(offsetParent).position !== 'static') {
        offsetParent = offset(offsetParent);
        var doc = offsetParent.ownerDocument;
        offsetParent = el.offsetParent || doc.documentElement;
      }
      if (offsetParent) {
        var parentOffset = offset(offsetParent);
        var parentOffsetTop = +parseFloat(getCS(offsetParent).borderTopWidth);
        var parentOffsetLeft = +parseFloat(getCS(offsetParent).borderLeftWidth);
        var top = offsetSelf.top - parentOffset.top - parseFloat(getCS(el).marginTop);
        var left = offsetSelf.left - parentOffset.left -
        parseFloat(getCS(el).marginLeft);
        return {
          top: top,
          left: left
        };
      }
    }
  }

  function eventOn(el, evtName, handler) {
    if (el && el.addEventListener) {
      el.addEventListener(evtName, handler);
    }
  }

  function eventOff(el, evtName, handler) {
    if (el && el.removeEventListener) {
      el.removeEventListener(evtName, handler);
    }
  }

  function _typeof(obj) {
    if (typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol') {
      return function (obj) {
        return typeof obj;
      };
    }
    return Object.prototype.toString.call(obj); //...}
  }

Open Source Used in APIC-SE-BATMAN v2.0.1 19768
Issue #569: collapse::toggle::state triggered too many times

* @link https://github.com/bootstrap-vue/bootstrap-vue/issues/569

* @param {string} event * @param {function} callback * @chainable

* @param {string} event * @param {function} callback * @chainable

* @param {function} listenOnRoot:

```javascript
var BVRL = '__BV_root_listeners__';

export default {
  methods: {
    /**
     * Safely register event listeners on the root Vue node.
     * While Vue automatically removes listeners for
     * individual components, * when a component registers a listener on root and is destroyed, * this
     * orphans a callback because the node is gone, * but the root does not clear the callback.*
     * This adds a non-reactive prop to a vm on the fly, * in order to avoid object observation and its performance costs.*
     * It should be highly unlikely there are any naming collisions.*
     * @param {string} event
     * @param {function} callback
     * @chainable
     */
    listenOnRoot:
    function listenOnRoot(event, callback) {
      if (!this[BVRL] || !isArray(this[BVRL])) {
        this[BVRL] = [];
      }
      this[BVRL].push({ event: event, callback: callback });
      this.$root.$on(event, callback);
      return this;
    },

    /**
     * Convenience method for calling vm.$emit on vm.$root.
     * @param {string} event
     * @param {*} args
     * @chainable
     */
    emitOnRoot: function emitOnRoot(event) {
      var _$root;

      for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
        args[_key - 1] = arguments[_key];
      }

      (_$root = this.$root).$emit.apply(_$root, [event].concat(_toConsumableArray(args)));
      return this;
    },

    beforeDestroy: function beforeDestroy() {
      if (this[BVRL] && isArray(this[BVRL])) {
        while (this[BVRL].length > 0) {
          // shift to process in order
          var _BVRL$shift = this[BVRL].shift(),
              event = _BVRL$shift.event,
              callback = _BVRL$shift.callback;

          this.$root.$off(event, callback);
        }
      }
    }
  },

  beforeDestroy: function
  beforeDestroy() {
    if (this[BVRL] && isArray(this[BVRL])) {
      while (this[BVRL].length > 0) {
        // shift to process in order
        var _BVRL$shift = this[BVRL].shift(),
            event = _BVRL$shift.event,
            callback = _BVRL$shift.callback;

        this.$root.$off(event, callback);
      }
    }
  }
};
```

---

```
import { assign } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to
 * eventListener mode
 * @param {Element} el The DOM element to observe
 * @param {Function} callback
 * callback to be called on change
 * @param {object} [opts={childList: true, subtree: true}]
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
    window.MozMutationObserver;
  var eventListenerSupported = window.addEventListener;

  // Handle case where we might be passed a vue instance
  el = el ? el.$el || el : null;
  /* istanbul ignore next: dificult to test in
  JSDOM */
  if (!isElement(el)) {
    // We can't observe somthing that isn't an element
    return null;
  }

  var obs = null;

  /* istanbul ignore next: dificult to test in JSDOM */
  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function observer(mutation) {
      var changed = false;
      // A Mutation can contain several change records, so we loop through them to see what has changed.
      // We break out of the loop early if any 'significant' change has been detected
      for (var i = 0; i < mutations.length && !changed; i++) {
        // The mutation record
        var mutation = mutations[i];

        // Mutation Type
        var type = mutation.type;

        // DOM Node (could be any DOM Node type - HTMLInputElement, Text, comment, etc)
        var target = mutation.target;

        if (type === 'characterData' & & target.nodeType === Node.TEXT_NODE) {
          changed = true;
        } else if (type === 'attributes' & & mutation.oldValue & & target.nodeType === Node.TEXT_NODE) {
          changed = true;
        } else if (type === 'childList' & & (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
          // This includes HTMLInputElement and Text Nodes being added/removed/re-arranged
          changed = true;
        } else if (eventListenerSupported) {
          // Legacy interface. most likely not used in modern browsers
          el.addEventListener('DOMNodeInserted', callback, false);
          el.addEventListener('DOMNodeRemoved', callback, false);
        }
      }
      // We return a reference to the observer so that
      // it can be called if necessary
      // To reduce overhead when the root element is hidden
      return obs;
    });
  } else if (eventListenerSupported) {
    // Legacy interface. most likely not used in modern browsers
    el.addEventListener('DOMNodeInserted', callback, false);
    el.addEventListener('DOMNodeRemoved', callback, false);
  }

  return obs;
}
```

---

```
/**
 * Log a warning message to the console with bootstrap-vue formatting sugar.
 * @param {string} message
 */
/* istanbul ignore next */
function warn(message) {
  console.warn('[Bootstrap-Vue warn]: ' + message);
}

export default warn;
```

---

```
/*
 * Key Codes (events)
 */

export default {
  SPACE: 32,
  ENTER: 13,
  ESC: 27,
  LEFT: 37,
  UP: 38,
  RIGHT: 39,
  DOWN: 40,
  PAGEUP: 33,
  PAGEDOWN: 34,
  HOME: 36,
  END: 35
};
```

---
this.resetAdjustments();
this.resetScrollbar();

removeClass(document.body, 'modal-open');
this._nextTick(function () {
  this.is_transitioning = false;
removeClass(document.body, 'modal-open');
this._nextTick(function () {
  this.is_transitioning = false;
var hiddenEvt = new BvEvent('hidden', { membrane: false, element: this });
var type = bvEvt.type;
this.$emit(type, bvEvt);
this.$root.$emit('bv::modal::' + type, bvEvt);

UI Event Handlers
onClickOut: function onClickOut(evt) {
  if (this.is_visible && this.noCloseOnBackdrop) {
    this.hide('backdrop');
  }
},
onEsc: function onEsc(evt) {
  if (this.is_visible && this.noCloseOnEsc) {
    this.hide('esc');
  }
},
onFocusout: function onFocusout(evt) {
  if (this.is_visible) {
    content.focus();
  }
},
setResizeEvent: function setResizeEvent(on) {
  var _this5 = this;

  ;['resize', 'orientationchange'].forEach(function (evtName) {
    if (on) {
      eventOn(window, evtName, _this5.adjustDialog);
    } else {
      eventOff(window, evtName, _this5.adjustDialog);
    }
  });
},
_root: function _root() {
  if (this.id === this.id) {
    this.return_focus = triggerEl || null;
    this.show();
  }
},
hideHandler: function hideHandler(id) {
  if (id === this.id) {
    this.hide();
  }
},
modalListener: function modalListener(bvEvt) {
  // If another modal opens, close this one
  if (bvEvt.vueTarget !== this) {
    this.hide();
  }
},
focusFirst: function focusFirst() {
  if (typeof document === 'undefined') {
    return;
  }
  var content = this.$refs.content;
  var modal = this.$refs.modal;
  var activeElement = document.activeElement;
  if (activeElement && content && content.contains(activeElement)) {
    // If activeElement is child of content, no need to change focus
  } else
  if (content) {
    if (modal) {
      modal.scrollTop = 0;
    }
    // Focus the modal content wrapper
    content.focus();
  }
},
returnFocusTo: function returnFocusTo() {
  if (this.noBodyOverflowing) {
    // Return focus prop over event specified return_focus value
    var el = this.returnFocus || this.return_focus || null;
    if (typeof el === 'string') {
      // CSS Selector
      el = select(el);
    }
    if (isEl(el)) {
      el = el.$el || el;
      if (isVisible(el)) {
        el.focus();
      }
    }
  } else
  if (content) {
    return (content.focus());
  }
},
getScrollbarWidth: function getScrollbarWidth() {
  var scrollDiv = document.createElement('div');
  scrollDiv.className = 'modal-scrollbar-measure';
  document.body.appendChild(scrollDiv);
  this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;
  document.body.removeChild(scrollDiv);
},
adjustDialog: function adjustDialog() {
  if (this.is_visible) {
    this.show();
  } else
  var modal = this.$refs.modal;
  var activeElement = document.activeElement;
  if (activeElement && &
  content.contains(activeElement)) {
    // If activeElement is child of content, no need to change focus
  } else
  if (content) {
    var el = select(content);
    if (isEl(el)) {
      el.focus();
    }
  } else
  if (this.is_visible) {
    this.show();
  } else
  if (this.noBodyOverflowing) {
    // Return focus prop over event specified return_focus value
    var el = this.returnFocus || this.return_focus || null;
    if (typeof el === 'string') {
      // CSS Selector
      el = select(el);
    }
    if (isEl(el)) {
      el = el.$el || el;
      if (isVisible(el)) {
        el.focus();
      }
    }
  } else
  if (content) {
    return (content.focus());
  }
},
adjustDialog: function adjustDialog() {
  if (this.is_visible) {
    this.show();
  } else
  var modal = this.$refs.modal;
  var activeElement = document.activeElement;
  if (activeElement && &
  content.contains(activeElement)) {
    // If activeElement is child of content, no need to change focus
  } else
  if (content) {
    var el = select(content);
    if (isEl(el)) {
      el.focus();
    }
  } else
  if (this.is_visible) {
    this.show();
  } else
  if (this.noBodyOverflowing) {
    // Return focus prop over event specified return_focus value
    var el = this.returnFocus || this.return_focus || null;
    if (typeof el === 'string') {
      // CSS Selector
      el = select(el);
    }
    if (isEl(el)) {
      el = el.$el || el;
      if (isVisible(el)) {
        el.focus();
      }
    }
  } else
  if (content) {
    return (content.focus());
  }
}
actualMargin = el.style.marginRight;
var calculatedMargin = computedStyle(el).marginRight || 0;
setAttr(el, 'data-margin-right', actualMargin);
ell.style.marginRight = parseFloat(calculatedMargin) + scrollbarWidth + 'px';
// Adjust body padding
var actualPadding = body.style.paddingRight;
var calculatedPadding = computedStyle(body).paddingRight;
setAttr(body, 'data-padding-right', actualPadding);
body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
resetScrollbar: function resetScrollbar() {
  // Restore fixed content padding
  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    if (hasAttr(el, 'data-padding-right')) {
      el.style.paddingRight = getAttr(el, 'data-padding-right') || '';
      removeAttr(el, 'data-padding-right');
    }
  });
  // Restore sticky content and navbar-toggler margin
  selectAll(Selector.STICKY_CONTENT + ', ' + Selector.NAVBAR_TOGGLER).forEach(function (el) {
    if (hasAttr(el, 'data-margin-right')) {
      el.style.marginRight = getAttr(el, 'data-margin-right') || '';
      removeAttr(el, 'data-margin-right');
    }
  });
  // Restore body padding
  var body = document.body;
  if (hasAttr(body, 'data-padding-right')) {
    body.style.paddingRight = getAttr(body, 'data-padding-right') || '';
    removeAttr(body, 'data-padding-right');
  }
}
})
ousedInAPIC-SE-BATMAN v2.0.1
import Clipboard from 'clipboard'

export function copyText (text, container) {
  return new Promise(function (resolve, reject) {

    var fakeElement = document.createElement('button')

    var clipboard = new Clipboard(fakeElement, {
      text: () => (text),
      action: () => ('copy'),
      container: typeof container === 'object' ? container : document.body
    })

    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })

    clipboard.on('error', error => {
      clipboard.destroy()
      reject(error)
    })

    fakeElement.click()
  })
}

<style lang="scss" scoped>
  @import '../styles/lib';

  .embed-form {
    font-size: 0.9rem;
    overflow: auto;

    .custom-control.btn {
      .custom-control-label:before, .custom-control-label:after {
        top: 50%;
        transform: translateY(-50%);
      }
    }

    &__heading {
      font-size: 1.1em;
      text-transform: uppercase;
    }

    &__code {
      height: 80px;
    }

    &__preview {
      border-left: 1px $gray-400 dashed;
    }
  }
</style>

<template>
  <div class="embed-form">
    <div class="container-fluid">
      <h4 class="embed-form__heading" v-if="!noTitle">
        {{ $t('embed-form.heading') }}
      </h4>
      <div class="row">
        <div class="col">
          <p>
            {{ $t('embed-form.introduction') }}
          </p>
          <textarea class="form-control embed-form__code mb-2" readonly @click="selectCode" :value="embedCode()"></textarea>

          <label class="custom-control custom-checkbox btn btn-sm float-left">
            <input type="checkbox" class="custom-control-input" v-model="responsiveCheck">
            <span class="custom-control-label font-weight-bold">
              {{ $t('embed-form.responsive-optin') }}
            </span>
          </label>

          <div class="text-right">
            <button class="btn btn-link btn-sm text-uppercase font-weight-bold" @click="copyEmbedCode">
              <fa icon="clipboard" />
              {{ $t('embed-form.copy') }}
            </button>
          </div>
        </div>
        <div class="col-7 d-none d-lg-block embed-form__preview" v-if="!noPreview">
          <span v-html="embedCode(false)"></span>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
  import { faClipboard } from '@fortawesome/free-solid-svg-icons/faClipboard'
  import Vue from 'vue'

  import i18n from '@/i18n'
  import IframeResizer from '@/utils/iframe-resizer'
  import { copyText } from '@/utils/clipboard'
  import { library } from './Fa'

  /**
   * Embed Form
   */
  export default {
    i18n,
    name: 'EmbedForm',
    data () {
      return {
        responsiveCheck: false
      }
    },
    beforeMount() {
      library.add(faClipboard)
    },
    components: {
      Fa: require('./Fa').default
    },
    props: {
      /**
       * Hide the form title
       */
      noTitle: {
        type: Boolean
      },
      /**
       * Hide the preview panel
       */
      noPreview: {
        type: Boolean
      },
      /**
       * Default width of the iframe code
       */
      width: {
        type: [Number, String],
        default: '100%'
      },
      /**
       * Default height of the iframe code
       */
      height: {
        type: Number,
        default: () => (window.innerHeight)
      },
      /**
       * URL of the iframe code
       */
      url: {
        type: String
      },
      /**
       * Default minimal width of the iframe code (if extract from window\'s size)
       */
      minWidth: {
        type: Number,
        default: 0
      },
      /**
       * Default minimal height of the iframe code (if extract from window\'s size)
       */
      minHeight: {
        type: Number,
        default: 0
      },
      /**
       * URL of the iframe code
       */
      url: {
        type: String
      },
      /**
       * Default minimal width of the iframe code (if extract from window\'s size)
       */
      minWidth: {
        type: Number,
        default: 0
      },
      /**
       * Default minimal height of the iframe code (if extract from window\'s size)
       */
      minHeight: {
        type: Number,
        default: 0
      }
    },
    methods: {
      iframeCodeFor (url, width, height) {
        return `<iframe width="${width}" height="${height}" frameborder="0" allowfullscreen src="${url}"/>
      }
    }
  }
</script>
this.$el.querySelector('.embed-form__code').select();
      embedCode (withPym = this,responsiveCheck) {
        const width = is NaN (this.width) ? Math.max (this.width, this.minWidth) : Math.max (this.height, this.minHeight) || return withPym ? this.pymCodeFor (this.currentUrl) : this.iframeCodeFor (this.currentUrl, width, height) || return computed: {
            currentUrl () {
              return this.url || window.location.href
            }
          }
      }
    },
    embedCode (withPym = this,responsiveCheck) {
      const width = isNaN (this.width) ? this.width : Math.max (this.width, this.minWidth)
        const height = Math.max (this.height, this.minHeight) || return withPym ? this.pymCodeFor (this.currentUrl) : this.iframeCodeFor (this.currentUrl, width, height) || return computed: {
            currentUrl () {
              return this.url || window.location.href
            }
          }
      }
    },
    computed: {
      currentUrl () {
        return this.url || window.location.href
      }
    }
  }
</script>

import mod from "-!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbedForm.vue?vue&type=script&lang=js&"; export default mod;
export * from "-!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbedForm.vue?vue&type=script&lang=js&";
import { render, staticRenderFns } from "./EmbedForm.vue?vue&type=template&id=502aea85&scoped=true&";
import script from "./EmbedForm.vue?vue&type=script&lang=js&";
export * from "./EmbedForm.vue?vue&type=script&lang=js&";
import style0 from "./EmbedForm.vue?vue&type=style&index=0&id=502aea85&lang=scss&scoped=true&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "502aea85",
  null
)

component.options.__file = "EmbedForm.vue"
export default component.exports

<template>
  <div class="sharing-options" :style="style">
    <social-sharing v-bind="valuesFor('twitter')" inline-template>
      <network network="twitter" class="sharing-options__link">
        <fa :icon="['fab', 'twitter']" />
        <span class="sr-only">Share on Twitter</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('facebook')" inline-template>
      <network network="facebook" class="sharing-options__link">
        <fa :icon="['fab', 'facebook']" />
        <span class="sr-only">Share on Facebook</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('linkedin')" inline-template>
      <network network="linkedin" class="sharing-options__link">
        <fa :icon="['fab', 'linkedin']" />
        <span class="sr-only">Share on LinkedIn</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('email')" inline-template>
      <network network="email" class="sharing-options__link">
        <fa icon="envelope" />
        <span class="sr-only">Share by email</span>
      </network>
    </social-sharing>
    <div class="sharing-options__link" v-show="!noEmbed">
      <a @click="showEmbedForm">
        <fa icon="code" />
        <span class="sr-only">Embed</span>
      </a>
    </div>
    <b-modal hide-footer ref="embedForm" title="Embed on your website" class="text-dark">
      <embed-form no-title no-preview :min-height="iframeMinHeight" :min-width="iframeMinWidth"></embed-form>
    </b-modal>
  </div>
</template>

<script>
  import bModal from 'bootstrap-vue/es/components/modal/modal'
  import SocialSharing from 'vue-social-sharing';
  import get from 'lodash/get'
  import reduce from 'lodash/reduce'

  import i18n from '@/i18n'
  import { faCode } from '@fortawesome/free-solid-svg-icons/faCode'
  import { faEnvelope } from '@fortawesome/free-solid-svg-icons/faEnvelope'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import EmbedForm from './EmbedForm.vue'
  import config from '../config'
  import IframeResizer from '../utils/iframe-resizer'

  import { library } from './Fa'

  /**
   * SharingOptions
   */
  export default {
    i18n,
    name: 'SharingOptions',
    components: {
      bModal,
      EmbedForm,
      SocialSharing,
      /** Prevent a bug with vue-docgen-api * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23 */
      Fa: require('./Fa').default
    },
    beforeMount () {
      library.add(faCode, faEnvelope, faTwitter, faFacebook, faLinkedin)
      // Inject Fa components in child component
      SocialSharing.components.Fa = require('./Fa').default
    },
    props: {
      /** URL to be shared */
      url: { type: String, default: () => config.get('sharing-options.url', null) || IframeResizer.deletePymParams() },
      /** Direction of the sharing options. Can
be: <em>row</em>, <em>row-reverse</em>,\n
* <em>column</em> or <em>column-reverse</em>.\n
*/\n
direction: {\n
default: 'row',\n
validator (value) {\n
return ['row', 'row-reverse', 'column', 'columnreverse'].indexOf(value) !== -1\n
}\n
},\n
/**\n
* Sharing contents wich can be genereic
(<em>title</em>, <em>description</em>, etc)\n
* or specific to a network (<em>twitter_title</em>,
<em>facebook_description</em>, etc).\n
*/\n
values: {\n
type: Object,\n
default: () => ({})\n
},\n
/**\n
* The list of all the keys to automatlcy inject in each social button.\n
*/\n
valuesKeys: {\n
default: () => ['url', 'title', 'description', 'media', 'twitter-user'],\n
type: Array\n
},\n
/**\n
* Disable
embed button.\n
*/\n
noEmbed: {\n
type: Boolean\n
},\n
/**\n
* Minimum height of the iframe
in the embed form.\n
*/\n
iframeMinHeight: {\n
type: Number\n
},\n
/**\n
* Minimum width
of the iframe in the embed form.\n
*/\n
iframeMinWidth: {\n
type: Number\n
},\n
/**\n
*
Prevent from reading default value from the <code>meta</code>.\n
*/\n
noMeta: {\n
type: Boolean\n
}\n },\n methods: {\n
showEmbedForm () {\n
this.showShareOptions = false\n
return
this.$refs.embedForm.show()\n
},\n
valuesFor (network) {\n
const values =
Object.assign(this.metaValues, this.values)\n
return reduce(this.valuesKeys, (res, key) => {\n
res[key] =
get(values, `${network}_${key}`, values[key])\n
return res\n
}, {})\n
},\n
defaultValueFor(key,
metaSelector = null) {\n
if (this.noMeta || !metaSelector) {\n
return config.get(key)\n
}\n
return
get(document.head.querySelector(metaSelector), 'content', config.get(key))\n
}\n },\n computed: {\n
style
() {\n
return {\n
'flex-direction': this.direction\n
}\n
},\n
metaValues () {\n
return {\n
'url': this.url,\n
'title': this.defaultValueFor('sharing-options.title'),\n
'description':
this.defaultValueFor('sharing-options.description', 'meta[name=\"description]'),\n
'facebook_title':
this.defaultValueFor('sharing-options.facebook_title', 'meta[property=\"og:title\"]'),\n
'facebook_description':
this.defaultValueFor('sharing-options.description', 'meta[property=\"og:description\"]'),\n
'facebook_media':
this.defaultValueFor('sharing-options.media', 'meta[property=\"og:image\"]'),\n
'facebook_url':
this.defaultValueFor('app.home', 'meta[property=\"og:url\"]'),\n
'twitter_media': this.defaultValueFor('sharingoptions.media', 'meta[name=\"twitter:image\"]'),\n
'twitter_twitter-user': this.defaultValueFor('sharingoptions.twitter-user', 'meta[name=\"twitter:site\"]')\n
}\n
}\n }\n }\n</script>\n\n<style lang=\"scss\">\n
@import '../styles/lib';\n @import '../styles/mixins';\n\n .sharing-options {\n display: flex;\n\n &__link {\n
display: block;\n
margin: $spacer / 4;\n
background: black;\n
height: 2.5em;\n
line-height: 2.5em;\n
width: 2.5em;\n
text-align: center;\n
font-size: 80%;\n
border-radius: 50%;\n
cursor: pointer;\n
color:
white;\n
position: relative;\n\n
i {\n
position: absolute;\n
top: 50%;\n
left: 50%;\n
transform:
translate(-50%, -50%);\n
}\n\n
& > a, & > button {\n
width: 100%;\n
height: 100%;\n
display:
block;\n
}\n }\n }\n</style>\n","import mod from \"-!../../node_modules/cache-loader/dist/cjs.js??ref--120!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cacheloader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loaderoptions!./SharingOptions.vue?vue&type=script&lang=js&\"; export default mod; export * from \"!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/threadloader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--00!../../node_modules/vue-loader/lib/index.js??vue-loaderoptions!./SharingOptions.vue?vue&type=script&lang=js&\"","import { render, staticRenderFns } from
\"./SharingOptions.vue?vue&type=template&id=4e36ddf6&\"\nimport script from
\"./SharingOptions.vue?vue&type=script&lang=js&\"\nexport * from
\"./SharingOptions.vue?vue&type=script&lang=js&\"\nimport style0 from
\"./SharingOptions.vue?vue&type=style&index=0&lang=scss&\"\n\n\n/* normalize component */\nimport
normalizer from \"!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js\"\nvar component =
normalizer(\n script,\n render,\n staticRenderFns,\n false,\n null,\n null,\n null\n
\n)\n\ncomponent.options.__file = \"SharingOptions.vue\"\nexport default component.exports","<template>\n <div
class=\"embeddable-footer p-2 text-nowrap\">\n <a :href=\"homeUrl\" target=\"_blank\" class=\"text-white
embeddable-footer__brand\">\n
<img src=\"../assets/images/icij-white@2x.png\" height=\"20\" class=\"mr-2\"

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component = normalize(
  script,
  render,
  staticRenderFns,
  false,
  null,
  true,
  "36cb84e2",
  null
)

component.options.__file = "EmbeddableFooter.vue"
export default component.exports

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c;
  return _c('div', {
    staticClass: 'follow-us'
  },
    _c('button', {
      staticClass: 'btn btn-link text-light follow-us__close',
      on: {
        'click': _vm.closeSignupPopover
      }
    },
    _c('fa', {
      attrs: {
        'icon': 'times'
      }
    }),
    _c('sign-up-form', {
      staticClass: 'px-3 pb-1 text-uppercase text-mutated font-weight-bold'
    },
    _c('div', {
      staticClass: 'p-3 bg-light container-fluid text-center'
    },
    _c('div', {
      staticClass: 'row'
    },
    _c('div', {
      staticClass: 'col'
    },
    _c('a', {
      staticClass: 'd-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn',
      attrs: {
        'href': 'https://twitter.com/ICIJorg',
        'target': '_blank',
        'title': 'Twitter'
      }
    },
    _c('fa', {
      attrs: {
        'icon': ['fab', 'twitter'],
        'size': 'lg'
      }
    }),
    _c('span', {
      staticClass: 'sr-only'
    },
    _vm._v('Twitter')))
    )
    ,
    _c('div', {
      staticClass: 'col'
    },
    _c('a', {
      staticClass: 'd-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn',
      attrs: {
        'href': 'https://www.facebook.com/ICIJ.org',
        'target': '_blank',
        'title': 'Facebook'
      }
    },
    _c('fa', {
      attrs: {
        'icon': ['fab', 'facebook'],
        'size': 'lg'
      }
    }),
    _c('span', {
      staticClass: 'sr-only'
    },
    _vm._v('Facebook')))
    )
    ,
    _c('div', {
      staticClass: 'col'
    },
    _c('a', {
      staticClass: 'd-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn',
      attrs: {
        'href': 'https://www.linkedin.com/company/1732242A',
        'target': '_blank',
        'title': 'Linkedin'
      }
    },
    _c('fa', {
      attrs: {
        'icon': ['fab', 'linkedin'],
        'size': 'lg'
      }
    }),
    _c('span', {
      staticClass: 'sr-only'
    },
    _vm._v('Linkedin')))
    )
  )
};

var staticRenderFns = [
  _c('div', {
    staticClass: 'row'
  },
  _c('div', {
    staticClass: 'col'
  },
  _c('a', {
    staticClass: 'd-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn',
    attrs: {
      'href': 'https://www.twitter.com/ICIJorg',
      'target': '_blank',
      'title': 'Twitter'
    }
  },
  _c('fa', {
    attrs: {
      'icon': ['fab', 'twitter'],
      'size': 'lg'
    }
  }),
  _c('span', {
    staticClass: 'sr-only'
  },
  _vm._v('Twitter')))
  )
  ,
  _c('div', {
    staticClass: 'col'
  },
  _c('a', {
    staticClass: 'd-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn',
    attrs: {
      'href': 'https://www.facebook.com/ICIJ.org',
      'target': '_blank',
      'title': 'Facebook'
    }
  },
  _c('fa', {
    attrs: {
      'icon': ['fab', 'facebook'],
      'size': 'lg'
    }
  }),
  _c('span', {
    staticClass: 'sr-only'
  },
  _vm._v('Facebook')))
  )
  ,
  _c('div', {
    staticClass: 'col'
  },
  _c('a', {
    staticClass: 'd-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn',
    attrs: {
      'href': 'https://www.linkedin.com/company/1732242A',
      'target': '_blank',
      'title': 'Linkedin'
    }
  },
  _c('fa', {
    attrs: {
      'icon': ['fab', 'linkedin'],
      'size': 'lg'
    }
  }),
  _c('span', {
    staticClass: 'sr-only'
  },
  _vm._v('Linkedin')))
  )
];

export { render, staticRenderFns }
import last from 'lodash/last'
import config from '../config'
import i18n from '@/i18n'

/**
 * SignUpForm
 */
export default {
  i18n,
  name: "SignUpForm",
  props: {
    /**
     * Mailchimp URL to send the data to.
     */
    action: {
      type: String,
      default: () => config.get('signup-form.action')
    },
    /**
     * Disable the main label.
     */
    noLabel: {
      type: Boolean
    },
    /**
     * Horizontal layout of the form.
     */
    horizontal: {
      type: Boolean
    },
    /**
     * Mailchimp tracker tag to identify the origin.
     */
    tracker: {
      type: String,
      default: () => config.get('signup-form.tracker')
    }
  },
  data () {
    return {
      email: '',
      frozen: false,
      response: {},
      errorMessage: null,
      successMessage: null
    };
  },
  computed: {
    actionJsonp () {
      return this.action.replace('/post?', '/post-json?').concat('&c=?')
    }
  },
  methods: {
    subscribe () {
      this.resetMessages()
      this.freeze()
      // Send the data, catch the result no matter what and
      unfreeze the form
      this.send().always(this.done).always(this.unfreeze)
    },
    send () {
      return $.ajax({
        type: 'POST',
        url: this.actionJsonp,
        data: $(this.$el).serialize(),
        dataType: 'jsonp'
      })
    },
    done (res) {
      if (res.result === 'success') {
        this.email = ''
        this.successMessage = res.msg;
      } else {
        // Mailchimp formats errors in list
        this.errorMessage = last((res.msg || 'Something's
wrong').split('-0')).join('')
      }
    },
    freeze () {
      this.frozen = true
    },
    unfreeze () {
      this.frozen = false
    },
  }
};

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
)

component.options.__file = "SignUpForm.vue"
export default component.exports

import { render, staticRenderFns } from "./SignUpForm.vue?vue&type=template&id=3a583f00&"
import script from "./SignUpForm.vue?vue&type=script&lang=js&"
export * from "./SignUpForm.vue?vue&type=script&lang=js&"
import style0 from "./SignUpForm.vue?vue&type=style&index=0&lang=scss&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
)

component.options.__file = "SignUpForm.vue"
export default component.exports

import { render, staticRenderFns } from "./SignUpForm.vue?vue&type=template&id=3a583f00&"
import script from "./SignUpForm.vue?vue&type=script&lang=js&"
export * from "./SignUpForm.vue?vue&type=script&lang=js&"
import style0 from "./SignUpForm.vue?vue&type=style&index=0&lang=scss&"
```javascript
// We only toggle on Click, Enter, Space, and Arrow Down
        return;
      }
      if (this.disabled) {
        // Hide dropdown if disabled changes to true
        this.visible = false;
      }
      if (this.disabled) {
        return;
      }
      var type = bvEvt.type;
      var showMenu;
      var hideMenu;
      var toggle;
      var isVisible = true;
      var oldValue;
      var newValue = this.value;
      var evtName = bvEvt.type;
      var cancelable = true;
      var vueTarget: this.
    }
    return assign(popperConfig, this.popperOpts || {});
  },
  methods: {
    // Event emitter
    emitEvent: function emitEvent(bvEvt) {
      var type = bvEvt.type;
      var isNav = Boolean(closest('.nav-bar', this.$el));
      return isNav; // Disable totally
    },
    // Make sure we have a reference to an element, not a component!
    setElement: function setElement(element) {
      var _this = this;
      if (typeof Popper === 'undefined') {
        warn('b-dropdown: Popper.js not found. Falling back to CSS positioning.');
      } else {
        // for dropup with alignment we use the parent element as popper container
        var element = this.$refs.toggle;
        // Make sure we have a reference to an element, not a component!
        setElement(element);
      }
    },
    // Instantiate popper.js
    createPopper: function createPopper(element) {
      var _this = this;
      if (this.split) {
        // For a split dropdown
        placement = AttachmentMap.BOTTOM;
      } else if (this.inNavbar) {
        // If this is a navbar
        this.inNavbar = Boolean(closest('.navbar', this.$el));
        if (!this.inNavbar) {
          if (typeof Popper === 'undefined') {
            warn('b-dropdown: Popper.js not found. Falling back to CSS positioning.');
          } else {
            // for dropup with alignment we use the parent element as popper container
            var element = this.$refs.toggle;
          }
        } else {
          // for dropup with alignment we use the parent element as popper container
          var element = this.$el;
        }
        // Make sure we have a reference to an element, not a component!
        setElement(element);
      }
    },
    // Get the menu element
    getMenu: function getMenu() {
      return this.$refs.menu;
    },
    // Show the dropdown menu
    showMenu: function showMenu() {
      if (this.disabled) {
        return;
      }
      // Ensure other menus are closed
      this.emitOnRoot('bv::dropdown::shown', this);
      // Are we in a navbar?
      if (this.inNavbar === true) {
        this.emitOnRoot('bv::dropdown::shown', this);
      }
      // We only toggle on Click, Enter, Space, and Arrow Down.
      return;
    },
    // Hide the dropdown menu
    hideMenu: function hideMenu() {
      this.setTouchStart(false);
      this.emitOnRoot('bv::dropdown::hidden', this);
      this.$emit('hidden');
      this.removePopper();
    },
    // Create the popper
    createPopper: function createPopper(element) {
      var _this = this;
      // Instantiate popper.js
      this.createPopper(element);
    }
  },
  // Event emitter
  emitEvent: function emitEvent(bvEvt) {
    var type = bvEvt.type;
    var isNav = Boolean(closest('.nav-bar', this.$el));
    return isNav; // Disable totally
  },
  // Make sure we have a reference to an element, not a component!
  setElement: function setElement(element) {
    var _this = this;
    if (typeof Popper === 'undefined') {
      warn('b-dropdown: Popper.js not found. Falling back to CSS positioning.');
    } else {
      // for dropup with alignment we use the parent element as popper container
      var element = this.$refs.toggle;
    }
  },
  // Instantiate popper.js
  createPopper: function createPopper(element) {
    var _this = this;
    if (this.split) {
      // For a split dropdown
      placement = AttachmentMap.BOTTOM;
    } else if (this.inNavbar) {
      // If this is a navbar
      this.inNavbar = Boolean(closest('.navbar', this.$el));
      if (!this.inNavbar) {
        if (typeof Popper === 'undefined') {
          warn('b-dropdown: Popper.js not found. Falling back to CSS positioning.');
        } else {
          // for dropup with alignment we use the parent element as popper container
          var element = this.$refs.toggle;
        }
      } else {
        // for dropup with alignment we use the parent element as popper container
        var element = this.$el;
      }
      // Make sure we have a reference to an element, not a component!
      setElement(element);
    }
  },
  // Get the menu element
  getMenu: function getMenu() {
    return this.$refs.menu;
  },
  // Show the dropdown menu
  showMenu: function showMenu() {
    if (this.disabled) {
      return;
    }
    // Ensure other menus are closed
    this.emitOnRoot('bv::dropdown::shown', this);
    // Are we in a navbar?
    if (this.inNavbar === true) {
      this.emitOnRoot('bv::dropdown::shown', this);
    }
    // We only toggle on Click, Enter, Space, and Arrow Down.
    return;
  },
  // Hide the dropdown menu
  hideMenu: function hideMenu() {
    this.setTouchStart(false);
    this.emitOnRoot('bv::dropdown::hidden', this);
    this.$emit('hidden');
    this.removePopper();
  },
  // Create the popper
  createPopper: function createPopper(element) {
    var _this = this;
    // Instantiate popper.js
    this.createPopper(element);
  }
```
var _typeof = typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol' ? function (obj) { return typeof obj; } : function (obj) { return Object.prototype.toString.call(obj).slice(8, -1) === 'Symbol' ? 'symbol' : typeof obj; }

var _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if ('value' in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function"); } }

function _possibleConstructorReturn(self, call) { if (!self) { throw new ReferenceError("this hasn't been initialised - super() hasn't been called"); } return call && (typeof call === 'object' || typeof call === 'function') ? call : self; }

function _inherits(subClass, superClass) { if (typeof superClass !== 'function' && superClass !== null) { throw new TypeError("Super expression must either be null or a function, not " + typeof superClass); } subClass.prototype = Object.create(superClass && superClass.prototype, { constructor: { value: subClass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass; }

import ToolTip from './tooltip.class';
import { assign } from './object';
import { select, addClass, removeClass, getAttr } from './dom';

var NAME = 'popover';
var CLASS_PREFIX = 'bs-popover';
var BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');

var Defaults = assign({},
  ToolTip.Default, {
    placement: 'right',
    trigger: 'click',
    content: '',
    template: '<div class="popover" role="tooltip">' + '<div class="arrow"></div>' + '<h3 class="popover-header"></h3>' + '<div class="popover-body"></div></div>'
  });

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TITLE: '.popover-header',
  CONTENT: '.popover-body'
};

var PopOver = function (_ToolTip) {
  _inherits(PopOver, _ToolTip);

  function PopOver() {
    _classCallCheck(this, PopOver);

    return _possibleConstructorReturn(this, (PopOver.__proto__ || Object.getPrototypeOf(PopOver)).apply(this, arguments));
  }

  _createClass(PopOver, [
    {
      key: 'isWithContent',

      // Method overrides

      value: function isWithContent(tip) {
        tip = tip || this.$tip;

        if (!tip) {
          return false;
        }
        var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
        var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
        return hasTitle || hasContent;
      }
    },
    {
      key: 'addAttachmentClass',
      value: function addAttachmentClass(attachment) {
        addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
      }
    },
    {
      key: 'setContent',
      value: function setContent(tip) {
        // we use append for html objects to maintain js events/components
        this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
        this.setElementContent(select(Selector.CONTENT, tip), this.getContent());

        removeClass(tip, ClassName.FADE);
        removeClass(tip, ClassName.SHOW);
      }
    },
    {
      key: 'getTitle',
      value: function getTitle() {
        var title = this.$config.title || '';
        if (typeof title === 'function') {
          title = title(this.$element);
        }
        if (typeof title === 'undefined' || title === null) {
          title = getAttr(this.$element, 'title') || 
            getAttr(this.$element, 'data-original-title') || 
            getAttr(this.$element, 'data-title');
        }
        return title;
      }
    },
    {
      key: 'getContent',
      value: function getContent() {
        var content = this.$config.content || '';
        if (typeof content === 'function') {
          content = content(this.$element);
        }
        if (typeof content === 'undefined' || content === null) {
          content = getAttr(this.$element, 'data-original-content') || 
            getAttr(this.$element, 'data-content');
        }
        return content;
      }
    },
    {
      key: 'getTipClass',
      value: function getTipClass() {
        var tip = this.$tip;

        if (tip) {
          var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
          var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
          return hasTitle || hasContent;
        }
      }
    },
    {
      key: 'addAttachmentClass',
      value: function addAttachmentClass(attachment) {
        addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
      }
    },
    {
      key: 'cleanTipClass',
      value: function cleanTipClass() {
        var tip = this.$tip;

        if (tip) {
          removeClass(tip, ClassName.FADE);
          removeClass(tip, ClassName.SHOW);
        }
      }
    },
    {
      key: 'getHTML',
      value: function getHTML() {
        var content = this.$config.content || '';
        return this.$element.contains(content) ? content : 
          '<div class="popover" role="tooltip">' + this.getTitle() + this.getContent() + '</div>'
      }
    }
  ]);
  return PopOver;
}();

export default PopOver;
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---

```
=== 'undefined' ? 'undefined' : _typeof(content)) === 'object' && content.nodeType &&
!content.innerHTML.trim()) ||

if (typeof content === 'string') {
  content = content.trim();
}
return (content || '').trim();

// Getter overrides
  get: function get() {
    return Defaults;
  },

// We have a dom node, but without inner content, so just return an empty
string
  content = '';
}

// Has rendered first
this.$nextTick(function () {
  // Instantiate ToolTip/PopOver on target
  // The createToolpop method must exist in main component
  if (_this.createToolpop) {
    if (_this.disabled) {
      // Initially disabled
      this.onDisable();
    }
    // Listen to close signals from others
    _this.$on('close', _this.onClose);
    // Listen to disable signals from others
    _this.$on('disable', _this.onDisable);
    // Listen to open signals from others
    _this.$on('open', _this.onOpen);
    // Listen to signals from others
    _this.$on('init', _this.onInitial);
  }
  // Notify popper of possible size change
  _this.setObservers(true);
  // Set initially open state
  if (_this.show) {
    _this.$nextTick(function () {
      _this.$emit('update:open', _this.show);
      // If content/props changes, etc
      if (this._toolpop) {
        this._toolpop.updateConfig(this.getConfig());
      }
      // Shutdown our event listeners
      this.off('beforeDestroy', function () {
        return content;
      });
      // Getter overrides
      get: function get() {
        return (content || '').trim();
      }
    });
  }
  // Polyfills for SSR
  var isSSR = typeof window ===
    'undefined';
  var _toolpop = null;
  // Element: element reference
  type: [String, Object, HTMLElement],
  default: null;
}
```

---

```
OBSERVER_CONFIG = {
  subtree: true,
  childList: true,
  characterData: true,
  attributes: true,
  attributeFilter: ['class', 'style']
};
```

---

```
var PLACEMENTS = {
  top: 'top',
  topleft: 'topleft',
  topright: 'topright',
  right: 'right',
  righttop: 'righttop',
  rightbottom: 'rightbottom',
  bottom: 'bottom',
  bottomleft: 'bottomleft',
  bottomright: 'bottomright',
  left: 'left',
  lefttop: 'lefttop',
  leftbottom: 'leftbottom',
  auto: 'auto'
};
```

---

```
function (obj) { return obj &&
typeof Symbol === "function" && obj.constructor === Symbol && obj !== Symbol.prototype ? "symbol" : typeof obj;
}
```

---

```
var HTMLElement = isSSR ? Object : window.HTMLElement;
```

---

```
var _typeof = typeof Symbol === "function" && typeof Symbol.iterator === "symbol" ? function (obj) { return typeof obj; } :
```

---

```
var _this = this;
```

---

```
this.bringItBack();
```
```javascript
  },
  data: function data() {
    return {};
  },

  props: {
    title: {
      type: String,
```
`default: "\n },
 content: {\n type: String,\n default: "\n },
 triggers: {\n type: [String, Array],\n default: "click"},
 placement: {\n type: String,\n default: "right"},
 },
 methods: {\n createToolpop: function createToolpop() {\n // getTarget is in toolpop mixin\n var target = this.getTarget();\n if (target) {\n   this._toolpop = new PopOver(target, this.getConfig(), this.$root);\n } else {\n   this._toolpop = null;\n   warn("b-popover: 'target' element not found!");\n }\n return this._toolpop;\n }}};`
Open Source Used In APIC-SE-BATMAN v2.0.1

1.1694 selinux 2.9-3.el8

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1.1697 jetty-servlet 9.4.27.v20200227

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jettyschemas

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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.)
@end enumerate

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@end enumerate

@end iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@end ifinfo

@page
@appendixsubsec How to Apply These Terms to Your New Libraries

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

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!
(This file is under construction.)-*- text -*-.

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated “know” assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support,
and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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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.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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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uses the Library", as object code and/or source code, so that the
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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
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1.1709 make 3.82 24.el7

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

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

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

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

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

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

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

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

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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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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/scheduling/quartz/QuartzJobBean.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/scheduling/quartz/QuartzJobBean.java
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* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-jar/org/springframework/mail/javamail/JavaMailSender.java
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jar/org/springframework/cache/jcache/interceptor/CacheRemoveAllInterceptor.java
* /opt/ws_local/PERMITS_SQL/1071283585_1594914548.97/0/spring-context-support-5-1-9-release-sources-
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1.1713 jline-style 3.10.0

1.1714 colord 1.2.7-2.el7

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1.1716 python-dateutil 2.6.1-1.ph1

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1.1717 lang-expression 6.8.3

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.1730 lm-sensors 3.4.0
8.20160601gitf9185e5.el7
1.1730.1 Available under license:

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
  Dynamic chip feature detection (a.k.a. generic chip support) in
  libssensors and sensors.
* Mark M. Hoffman
  Many improvements to the libssensors configuration file scanner.
* Jean Delvare
  New libssensors API, and migration of sensors and sensord thereto.
  Many optimizations in libssensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libssensors.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free
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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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"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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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.

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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.

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

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

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

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

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

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

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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XSLT-driven View that allows for response context to be rendered as the result of an XSLT transformation.

- The XSLT Source object is supplied as a parameter in the model and then detected during response rendering. Users can either specify a specific entry in the model via the `sourceKey` property or have Spring locate the Source object. This class also provides basic conversion of objects into Source implementations. See [here] for more details.
- All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure `outputProperties` to be passed to the Transformer.

@since 2.0

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* A contract for inspecting and potentially modifying request data values such
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  *
  * <p>Implementations may use this contract for example as part of a solution
  * to provide data integrity, confidentiality, protection against cross-site
  * request forgery (CSRF), and others or for other tasks such as automatically
  * adding a hidden field to all forms and URLs.
  *
  * <p>View technologies that support this contract can obtain an instance to
  * delegate to via {@link RequestContext#getRequestDataValueProcessor()}.  
  *
  * @author Rossen Stoyanchev
  * @since 3.1
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1.jar/org/springframework/web/servlet/mvc/condition/ParamsRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1.jar/org/springframework/web/servlet/function/RouterFunctionDsl.kt
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1.jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java

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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/view/XmlViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/tags/form/AbstractHtmlInputElementTag.java
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/tags/form/AbstractMultiCheckedElementTag.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/tags/form/CheckboxTag.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/tags/form/OptionTag.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/view/json/AbstractJackson2View.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/tags/form/FormTag.java
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/HttpServletBean.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/resource/DefaultServletHttpRequestHandler.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/ModelAndViewDefiningException.java
* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/spring-webmvc-5-2-5-release-sources-1-
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1.1749 apr 1.6.3-r1

1.1750 grpc-go 1.23.0
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1.1752 javassist 3.24.0-GA

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jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1110715705_1606844175.5/0/javassist-3-24-0-ga-sources-2-
jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1110715705_1606844175.5/0/javassist-3-24-0-ga-sources-2-
jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1110715705_1606844175.5/0/javassist-3-24-0-ga-sources-2-
jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1110715705_1606844175.5/0/javassist-3-24-0-ga-sources-2-
1.1753 curl 7.61.1-12.el8
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License Mixing

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

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an
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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

---

### 1.1754 netty-transport-native-epoll

#### 4.1.48.Final

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Set the `TCP_MD5SIG` option on the socket. See `linux/tcp.h` for more details.
Keys can only be set on, not read to prevent a potential leak, as they are confidential.
Allowing them being read would mean anyone with access to the channel could get them.

Set the `TCP_QUICKACK` option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a> for more details.

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* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1.jar/io/netty/channel/epoll/EpollEventLoopGroup.java
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* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/IntCountsHistogram.java
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* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/AtomicHistogram.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/Recorder.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/LinearIterator.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/AbstractHistogramIterator.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/HistogramLogReader.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0(hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/HistogramLogReader.java
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 * as explained at http://creativecommons.org/publicdomain/zero/1.0/
 *
 * @author Gil Tene
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/AbstractHistogram.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/package-info.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/WriterReaderPhaser.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
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jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/bind/annotation/Mapping.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java
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# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
# MIME type (lowercased)
# ------------------------------------------
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointpro+json
# application/alto-endpointproparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
# application/andrew-insetez
# application/applefile
# application/applixwareaw
# application/atf
# application/atfx
# application/atom+xml
# application/atomcat+xml
# application/atomdeleted+xml
# application/atomicmail
# application/atomsvc+xml
# application/axml
# application/auth-policy+xml
# application/bacnet-xdd+zip
# application/batch-smtp
# application/beep+xml
# application/calendar+xml
# application/call-completion
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# application/cbor
# application/ccmp+xml
# application/ccxml+xml
# application/cdfx+xml
# application/cdmi-capabilitycdmia
# application/cdmi-containercdmic
# application/cdmi-domaincdmid
# application/cdmi-objectcdmio
# application/cdmi-queuedmiq
# application/cdni
# application/jwt
# application/kpml-request+xml
# application/kpml-response+xml
# application/ld+json
# application/lgr+xml
# application/link-format
# application/load-control+xml
application/lost+xml
# application/lostsync+xml
# application/lxf
application/mac-binhex40
application/mac-compactproct
# application/macwriteii
application/mads+xml
application/macmr
application/marcxml+xml
application/mathematica
application/mathml+xml
# application/mathml-content+xml
# application/mathml-presentation+xml
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# application/mbms-deregister+xml
# application/mbms-envelope+xml
# application/mbms-msk+xml
# application/mbms-msk-response+xml
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application/mediaservercontrol+xml
# application/merge-patch+json
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application/metalink4+xml
application/mets+xml
# application/mf4
# application/mikey
application/mods+xml
# application/moss-keys
# application/moss-signature
# application/mosskey-data
# application/mosskey-request
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application/mp4
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# application/mrb-consumer+xml
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# application/msc-ivr+xml
# application/msc-mixer+xml
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doc dot
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# application/news-groupinfo
# application/news-transmission
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<td># audio/vnd.everad.plj</td>
</tr>
<tr>
<td># audio/vnd.hns.audio</td>
</tr>
</tbody>
</table>
# model/vnd.openex
# model/vnd.parasolid.transmit.binary
# model/vnd.parasolid.transmit.text
# model/vnd.rosette.annotated-data-model
# model/vnd.valve.sourcecompiled-map
model/vnd.vtu
model/vrml
model/x3d+binary x3db
# model/x3d+fastinfoset
model/x3d+vrml x3dv
model/x3d+xml x3dz
# model/x3d-vrml
# multipart/alternative
# multipart/apple-double
# multipart/byteranges
# multipart/digest
# multipart/encrypted
# multipart/example
# multipart/form-data
# multipart/header-set
# multipart/mixed
# multipart/parallel
# multipart/related
# multipart/report
# multipart/signed
# multipart/voice-message
# multipart/x-mixed-replace
# text/1d-interleaved-parityfec
text/cache-manifest

text/calendarics ifb
text/css
# text/csv-schema
# text/directory
# text/dns
# text/encaprtp
# text/enriched
# text/example
# text/fwdred
# text/grammar-ref-list
text/html
# text/javascript
# text/jcr-cnd
# text/markdown
# text/mizar
text/n3
# text/parameters
# video/nv
video/ogg
# video/parityfec
# video:pointer
video/quicktime qt mov
# video/raptorfec
# video/raw
# video/rtp-enc-aescm128
# video/rtploopback
# video/rtx
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# video/vnd.sealed.mpeg1
# video/vnd.sealed.mpeg4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
video/vnd.uvvu.mp4 uvvu uvu
video/vnd.vivoviv
# video/vp8
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/**
 * Return the web session for the current request. Always guaranteed to
 * return an instance either matching to the session id requested by the
 * client, or with a new session id either because the client did not
 * specify one or because the underlying session had expired. Use of this
 * method does not automatically create a session. See [@link WebSession]
 * for more details.
 */

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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/http/converter/json/Jackson2ObjectMapperFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/http/HttpMessageEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/bind/annotation/RequestHeader.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/http/HttpMessageNotReadableException.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/remoting/caucho/HttpComponentsClientHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/http/HttpOutputMessage.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/bind/MissingMatrixVariableException.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/util/JavaScriptUtils.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/http/client/HttpComponentsClientHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/context/request/async/StandardServletAsyncWebRequest.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/bind/annotation/SessionAttributesHandler.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/http/server/DefaultRequestPath.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
  jar/org/springframework/web/bind/MissingMatrixVariableException.java
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  jar/org/springframework/web/bind/annotation/RequestHeader.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
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  */opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-
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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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  KhronosGroup-glslang-5798d23/hls/hlsAttributes.h
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsTokens.h
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsGrammar.cpp
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsTokenStream.h
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsTokenStream.cpp
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsScanContext.h
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsScanContext.cpp
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  KhronosGroup-glslang-5798d23/hls/hlsOpMap.cpp
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsAttributes.cpp
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/hls/hlsOpMap.h
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-target/
  KhronosGroup-glslang-5798d23/glslang/MachineIndependent/attribute.cpp

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gz/KhronosGroup-glslang-5798d23/SPIRV/GLSL.ext.KHR.h
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* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glslang-6-2-2596-0-gac37079-targ-
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* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glsang-6-2-2596-0-gac37079-target/KhronosGroup-glsang-5798d23/gtests/Settings.h
* /opt/ws_local/PERMITS_SQL/1033345304_1593689935.52/0/khronosgroup-glsang-6-2-2596-0-gac37079-target/KhronosGroup-glsang-5798d23/StandAlone/ResourceLimits.cpp
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

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

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

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Version 2.1, February 1999

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

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

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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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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.

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If such an object file uses only numerical parameters, data
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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!

1.1788 jbcrypt 0.4

1.1789 springfox-spi 2.9.2

1.1790 metrics-core 2.2.0

1.1791 e2fsprogs 1.42.9-7.el7

1.1791.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) 'echo $(my_dir) | sed -e \''\''s;lib/;;''/''/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003
It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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The most recent officially distributed version can be found at http://e2fsprogs.sourceforge.net. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the hg or git repository from the development branch, please contact me (tytso@mit.edu) before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
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+ trivial database library - standalone version

- trivial database library - private includes
-
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It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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/*
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
*/
/ *
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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Theodore Ts'o
23-June-2007

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If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

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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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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

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

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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On Debian GNU systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'. This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../*.$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ 
`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) $(BSD_LIB)
@-$(LDCONFIG)

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../*.$(BSD_LIB)

1.1794 commons-compress 1.19

1.1794.1 Available under license :

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
[http://openjdk.java.net/legal/gplv2+ce.html](http://openjdk.java.net/legal/gplv2+ce.html)

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

/
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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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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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From strings/apr_snprintf.c:

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted
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*/
jar/io/netty/handler/ssl/SslContext.java
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jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
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jar/io/netty/handler/ipfilter/IpFilterRuleType.java
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jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/Util/InsecureTrustManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslEngine.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/NettyNpnSslEngine.java
*/

jar/io/netty/handler/ssl/JdkSslContext.java
*/

jar/io/netty/handler/ssl/SslProvider.java
*/

jar/io/netty/handler/ssl/JdkSslEngine.java
*/

jar/io/netty/handler/ipfilter/UniqueIpFilter.java
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslX509ExtendedTrustManager.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/Java8SslUtils.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/PemEncoded.java
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**1.1841 jersey-json 1.1.5.1**

**1.1842 go-bindata-assetfs 1.0.0**

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1.1843 gstreamer 1.4.5-1.el7
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Can someone distribute the combination of
GStreamer, the LGPL library
MyPlayer, a GPL playback application
The binary-only Sorenson decoder
together in one distribution/operating system? If not, what needs to be changed to make this possible?
This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.
</para>

If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can't get around the GPL just by including a LGPL bit in the middle.
</para>

Note: MyPlayer is a completely fictitious application at the time of writing.
</para>

Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?
</para>

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.
</para>

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Can someone from the US distribute software covered by US patents under the GPL to people in Norway? To people in the US?

This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement. The US government is empowered to refuse importation of patent infringing devices, including software.
There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?

The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.

The GPL and LGPL say (sections 7 and 11): If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.

So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents?

The GPL operates on a per-action, not per-program basis. That is, if you are in a country which has software patents, and a court tells you that you cannot distribute (say) libmad in source code form, then you cannot distribute libmad at all. This doesn't affect anyone else.
Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library.

Does this affect the licensing issues involved in regards to GPL/LGPL?

No.

Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3?

The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

If you take a license which doesn't allow others to distribute original or modified versions of libmad practicing the same patent claims as the version you distribute, then you may not distribute at all.

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[This is the first released version of the library GPL. It is
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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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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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Version 2.1, February 1999

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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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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
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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  jar/org/antlr/v4/runtime/atin/ATNSerializer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/org/antlr/v4/runtime/atin/PlusLoopbackState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/org/antlr/v4/runtime/TokenStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/org/antlr/v4/runtime/BufferedTokenStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/tree/ErrorNode.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/LoopEndState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/EmptyPredictionContext.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/ATNConfig.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/RangeTransition.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/misc/MurmurHash.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/ParserATNSimulator.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/CommonTokenFactory.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/CommonTokenStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/misc/IntervalSet.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/misc/Pair.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
  jar/antlr/v4/runtime/dfa/DFAStruct.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreeMatch.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ParserInterpreter.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/RuleTagToken.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/TextChunk.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreePatternMatcher.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/TokenTagToken.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/atn/ProfilingATNSimulator.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/atn/ATNDeserializer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/Parser/ANALexerPushModeAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/Parser/ANTLRActionType.java

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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/ContextSensitivityInfo.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/ParseInfo.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/AmbiguityInfo.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/DecisionEventInfo.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/RuntimeMetaData.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LookaheadEventInfo.java
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1852 alpine-baselayout 3.1.2 r0

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1.1854 open-vm-tools 10.3.0-2.el7_7.1

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func initBsdClause2() {
    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
            "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

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func initGpl2() {
    Licenses["gpl2"] = License{
        Name: "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or
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func initGpl3() {
    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name:            "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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         func initLGPL() {
             Licenses["lGPL"] = License{
                 Name: "GNU Lesser General Public License",
                 PossibleMatches: []string{"lGPL", "lesser gpl", "gnu lgpl"},
                 Header: `This program is free software: you can redistribute it and/or modify
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package cmd

import (  
    "strings"
    "time"

    "github.com/spf13/viper"
)

// Licenses contains all possible licenses a user can choose from.  
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of  
// the license, its possible matches (on the command line as given to cobra),  
// the header to be used with each file on the file's creating, and the text  
// of the license  
type License struct {  
    Name            string   // The type of license in use  
    PossibleMatches []string // Similar names to guess  
    Text            string   // License text data  
    Header          string   // License header for source files  
}
func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()
    initBsdClause2()
    initGpl2()
    initGpl3()
    initLgpl()
    initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }
    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{Header: viper.GetString("license.header"),
                       Text: viper.GetString("license.text")}
    }
    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }
    // If user didn't set any license, use Apache 2.0 by default.
    return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")
    year := viper.GetString("year") // For tests.
    if year != "" {
        year = time.Now().Format("2006")
    }
}
// findLicense looks for License object of built-in licenses. 
// If it didn't find license, then the app will be terminated and 
// error will be printed. 
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {
        er("unknown license: " + name)
    }
    return Licenses[found]
}

// matchLicense compares the given a license name 
// to PossibleMatches of all built-in licenses. 
// It returns blank string, if name is blank string or it didn't find 
// then appropriate match to name. 
func matchLicense(name string) string {
    if name == "" {
        return ""
    }
    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }
    return ""
}

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package cmd

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   Licenses["agpl"] = License{
   Name: "GNU Affero General Public License",
   PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
   Header: `
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package cmd

func initApache2() {
    Licenses["apache"] = License{
        Name:            "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `Licensed under the Apache License, Version 2.0 (the "License");
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package cmd

func initMit() {
Licenses["mit"] = License{
Name: "MIT License",
PossibleMatches: []string{"mit"},
Header: `Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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```
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```

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```
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<signature of Ty Coon>, 1 April 1989
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1.1877 container-storage-setup 0.11.0-2.git5eaf76c.el7
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1.1885 python-ipaddress 1.0.16-2.el7

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1.1886 spring-expression 5.2.5.RELEASE

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1.1890 ncurses 5.9 14.20130511.el7_4
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1.1892 util-linux 2.32.1-22.el8
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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The following artifacts are CDDL + GPLv2 with classpath exception.  
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK
If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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
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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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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 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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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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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.

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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
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
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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 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
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directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

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

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.
Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

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

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

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

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

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

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

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

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays 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) 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.

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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

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!

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Version 3, 29 June 2007

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Preamble

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have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

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these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
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For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

TERMS AND CONDITIONS

0. Definitions.

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

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

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

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


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

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

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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

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

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

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

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

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1.1901 apt 1.0.9.8.4

1.1901.1 Available under license:

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

```
+++-==============================================-=============================
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+++-----------------------------------------------+-----------------------------
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ii acl 2.2.52-2 amd64 Access control list utilities
ii acpi 1.7-1 amd64 displays information on ACPI devices
ii acpi-support-base 0.142-6 all scripts for handling base ACPI events such as the power button
ii acpid 1:2.0.23-2 amd64 Advanced Configuration and Power Interface event daemon
ii adduser 3.113+nmu3 all add and remove users and groups
ii alien 8.92 all convert and install rpm and other packages
ii apt 1.0.9.8.4 amd64 commandline package manager
ii apt-listchanges 2.85.13+nmu1 all package change history notification tool
ii apt-transport-https 1.0.9.8.4 amd64 https download transport for APT
ii apt-utils 1.0.9.8.4 amd64 package management related utility programs
ii aptitude 0.6.11-1+b1 amd64 terminal-based package manager
ii aptitude-common 0.6.11-1 all architecture independent files for the aptitude package manager
ii aptitude-doc-en 0.6.11-1 all English manual for aptitude, a terminal-based package manager
ii aspell 0.60.7-20110707-1.3 amd64 GNU Aspell spell-checker
ii aspell-fr 0.50-3-7 all French dictionary for aspell
ii at 3.1.16-1 amd64 Delayed job execution and batch processing
ii audispid-plugins 1:2.4-1+b1 amd64 Plugins for the audit event dispatcher
ii auditd 1:2.4-1+b1 amd64 User space tools for security auditing
ii autopoint 0.19.3-2 all The autopoint program from GNU gettext
ii bareos-common 17.2.4-9.1 amd64 Backup Archiving Recovery
Open Sourced - common files
ii bareos-filedaemon 17.2.4-9.1 amd64 Backup Archiving Recovery
```
<table>
<thead>
<tr>
<th>Package Name</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bareos-filedaemon</td>
<td>17.2.4-9.1</td>
<td>amd64</td>
<td>Backup Archiving</td>
</tr>
<tr>
<td>base-files</td>
<td>8+deb8u10</td>
<td>amd64</td>
<td>Debian base system miscellaneous</td>
</tr>
<tr>
<td>base-passwd</td>
<td>3.5.37</td>
<td>amd64</td>
<td>Debian base system master</td>
</tr>
<tr>
<td>bash</td>
<td>4.3-11+deb8u1</td>
<td>amd64</td>
<td>GNU Bourne Again SHell</td>
</tr>
<tr>
<td>bash-completion</td>
<td>1:2.1-4</td>
<td>all</td>
<td>programmable completion for the bash shell</td>
</tr>
<tr>
<td>bc</td>
<td>1.06.95-9</td>
<td>amd64</td>
<td>GNU bc arbitrary precision calculator</td>
</tr>
<tr>
<td>bind9-host</td>
<td>1:9.9.5.dfsg-9+deb8u14</td>
<td>amd64</td>
<td>Version of 'host' bundled with BIND 9.X</td>
</tr>
<tr>
<td>binutils</td>
<td>2.25.5+deb8u1</td>
<td>amd64</td>
<td>GNU assembler, linker and binary</td>
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<tr>
<td>bsd-mailx</td>
<td>8.1.2-0.20141216cvs-2</td>
<td>amd64</td>
<td>simple mail user agent</td>
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<tr>
<td>bsdmainutils</td>
<td>9.0.6</td>
<td>amd64</td>
<td>collection of more utilities from FreeBSD</td>
</tr>
<tr>
<td>bsdutils</td>
<td>1:2.25.2-6</td>
<td>amd64</td>
<td>basic utilities from 4.4BSD-Lite</td>
</tr>
<tr>
<td>busybox</td>
<td>1:1.22.0-9+deb8u1</td>
<td>amd64</td>
<td>Tiny utilities for small and embedded systems</td>
</tr>
<tr>
<td>bzip2</td>
<td>1.0.6-7+b3</td>
<td>amd64</td>
<td>high-quality block-sorting file</td>
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<tr>
<td>ca-certificates</td>
<td>20141019+deb8u3</td>
<td>all</td>
<td>Common CA certificates</td>
</tr>
<tr>
<td>chrony</td>
<td>1.30-2+deb8u2</td>
<td>amd64</td>
<td>Set the computer clock from time</td>
</tr>
<tr>
<td>clamav</td>
<td>0.100.0+dfsg-0+deb8u1</td>
<td>amd64</td>
<td>anti-virus utility for Unix - command-line interface</td>
</tr>
<tr>
<td>clamav-base</td>
<td>0.100.0+dfsg-0+deb8u1</td>
<td>all</td>
<td>anti-virus utility for Unix - base package</td>
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<tr>
<td>clamav-daemon</td>
<td>0.100.0+dfsg-0+deb8u1</td>
<td>amd64</td>
<td>anti-virus utility for Unix - scanner daemon</td>
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<tr>
<td>clamav-freshclam</td>
<td>0.100.0+dfsg-0+deb8u1</td>
<td>amd64</td>
<td>anti-virus utility for Unix - virus database update utility</td>
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<tr>
<td>cluster-glue</td>
<td>1.0.12~rc1+hg2777-1.2</td>
<td>amd64</td>
<td>Reusable cluster components for Linux HA</td>
</tr>
<tr>
<td>console-setup</td>
<td>1.123</td>
<td>all</td>
<td>console font and keymap setup</td>
</tr>
<tr>
<td>console-setup-linux</td>
<td>1.123</td>
<td>all</td>
<td>Linux specific part of console-setup program</td>
</tr>
<tr>
<td>coreutils</td>
<td>8.23-4</td>
<td>amd64</td>
<td>GNU core utilities</td>
</tr>
<tr>
<td>cpio</td>
<td>2.11+dfsg-4.1+deb8u1</td>
<td>amd64</td>
<td>GNU cpio -- a program to manage archives of files</td>
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<tr>
<td>cpp</td>
<td>4.4.9.2-2</td>
<td>amd64</td>
<td>GNU C preprocessor (cpp)</td>
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<td>Package</td>
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<tr>
<td>cpp-4.9</td>
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<td>amd64</td>
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<tr>
<td>crmsh</td>
<td>2.3.2-4+bpo8+1</td>
<td>all</td>
<td>CRM shell for the pacemaker cluster</td>
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<td>cron</td>
<td>3.0pl1-127+deb8u1</td>
<td>amd64</td>
<td>process scheduling daemon</td>
</tr>
<tr>
<td>cron-apt</td>
<td>0.9.2</td>
<td>all</td>
<td>automatic update of packages using apt-get</td>
</tr>
<tr>
<td>cups-bsd</td>
<td>1.7.5-11+deb8u2</td>
<td>amd64</td>
<td>Common UNIX Printing</td>
</tr>
<tr>
<td>cups-client</td>
<td>1.7.5-11+deb8u2</td>
<td>all</td>
<td>Common UNIX Printing</td>
</tr>
<tr>
<td>cups-common</td>
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<td>all</td>
<td>Common UNIX Printing</td>
</tr>
<tr>
<td>curl</td>
<td>7.38.0-4+deb8u8</td>
<td>amd64</td>
<td>command line tool for transferring data with URL syntax</td>
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<tr>
<td>dash</td>
<td>0.5.7-4+b1</td>
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<td>amd64</td>
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<td>GNU dc arbitrary precision reverse-polish calculator</td>
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<td>debconf</td>
<td>1.5.56+deb8u1</td>
<td>all</td>
<td>Debian configuration management</td>
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<td>debconf-i18n</td>
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<td>debhelper</td>
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<td>helper programs for debian/rules</td>
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<td>debian-archive-keyring</td>
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<td>all</td>
<td>GnuPG archive keys of the Debian archive</td>
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<td>debian-faq</td>
<td>5.0.3</td>
<td>all</td>
<td>Debian Frequently Asked Questions</td>
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<td>debian-policy</td>
<td>3.9.6.1</td>
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<td>Debian Policy Manual and related documents</td>
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<tr>
<td>debianutils</td>
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<td>amd64</td>
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<tr>
<td>debugedit</td>
<td>4.11.3-1.1</td>
<td>amd64</td>
<td>tool to mangle source locations in .debug files</td>
</tr>
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<td>developers-reference-fr</td>
<td>3.4.14</td>
<td>all</td>
<td>guidelines and information for developers</td>
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<td>dh-python</td>
<td>1.20141111-2</td>
<td>all</td>
<td>Debian helper tools for packaging</td>
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<tr>
<td>dialog</td>
<td>1.2-20140911-1</td>
<td>amd64</td>
<td>Displays user-friendly dialog</td>
</tr>
<tr>
<td>discover</td>
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<td>amd64</td>
<td>hardware identification system</td>
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<td>discover-data</td>
<td>2.2013.01.11</td>
<td>all</td>
<td>Data lists for Discover hardware</td>
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<td>dmidecode</td>
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<td>SMBIOS/DMI table decoder</td>
</tr>
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ii dnsutils 1:9.9.5.dfsg-9+deb8u14 amd64 Clients provided with BIND
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ii doc-debian 6.2 all Debian Project documentation and other
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ii doc-linux-fr-text 2013.01-2 all Linux docs in French: HOWTOs,
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ii docutils-doc 0.12+dfsg-1 all text processing system for
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ii docutils-doc 0.12+dfsg-1 all text processing system for
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ii dpkg 1.17.27 amd64 Debian package management system
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ii etckeeper 1.15 all store /etc in git, mercurial, bsz or darcs
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ii file 1:5.22+15-2+deb8u3 amd64 Determines file type using
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ii findutils 4.4.2-9+b1 amd64 utilities for finding files--find, xargs
ii firmware-linux-free 3.3 all Binary firmware for various drivers in
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ii fontconfig-config 2.11.0-6.3+deb8u1 all generic font configuration
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libdevmapper1.02.1:amd64 2:1.02.90-2.2+deb8u1 amd64 Linux Kernel Device Mapper userspace library
libdiscover2 2.1.2-7 amd64 hardware identification library
libdns-export100 1:9.9.5.dfsg-9+deb8u14 amd64 Exported DNS Shared Library
libdns100 1:9.9.5.dfsg-9+deb8u14 amd64 DNS Shared Library used by BIND
libdpkg-perl 1.17.27 all Dpkg perl modules
libedit2:amd64 3.1-20140620-2 amd64 BSD editline and history libraries
libelf1:amd64 0.159-4.2 amd64 library to read and write ELF files
libencode-locale-perl 1.03-1 all utility to determine the locale encoding
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libesmtp6 1.0.6-4 amd64 LibESMTP SMTP client library
libest0 0.1.9-1.1 amd64 Helper functions for handling strings (lib)
libevent-2.0-5:amd64 2.0.21-stable-2+deb8u1 amd64 Asynchronous event notification library
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libfile-fcntllock-perl 0.22-1+b1 amd64 Perl module for file locking with fcntl(2)
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libgc1c2:amd64 1:7.2d-6.4 amd64 conservative garbage collector
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<td>2.42.1-1+b1</td>
<td>amd64</td>
<td>GLib library of C routines</td>
</tr>
<tr>
<td>libglib2.0-data</td>
<td>2.42.1-1</td>
<td>all</td>
<td>Common files for GLib library</td>
</tr>
<tr>
<td>libgmp10:amd64</td>
<td>2:6.0.0+dfsg-6</td>
<td>amd64</td>
<td>Multiprecision arithmetic library</td>
</tr>
<tr>
<td>libgnutls-deb0-28:amd64</td>
<td>3.3.8-6+deb8u7</td>
<td>amd64</td>
<td>GNU TLS library - main runtime library</td>
</tr>
<tr>
<td>libgnutls-openssl27:amd64</td>
<td>3.3.8-6+deb8u7</td>
<td>amd64</td>
<td>GNU TLS library - OpenSSL wrapper</td>
</tr>
<tr>
<td>libgmp1:amd64</td>
<td>4.9.2-10</td>
<td>amd64</td>
<td>GCC OpenMP (GOMP) support library</td>
</tr>
<tr>
<td>libgpg-error0:amd64</td>
<td>1.17-3</td>
<td>amd64</td>
<td>library for common error values and messages in GnuPG components</td>
</tr>
<tr>
<td>libgpgme11:amd64</td>
<td>1.5.1-6</td>
<td>amd64</td>
<td>GPGME - GnuPG Made Easy (library)</td>
</tr>
<tr>
<td>libgpm2:amd64</td>
<td>1.20.4-6.1+b2</td>
<td>amd64</td>
<td>General Purpose Mouse - shared library</td>
</tr>
<tr>
<td>libgraphite2-3:amd64</td>
<td>1.3.10-1+deb8u1</td>
<td>amd64</td>
<td>Font rendering engine for Complex Scripts -- library</td>
</tr>
<tr>
<td>libgssapi-krb5-5:amd64</td>
<td>1.12.1+dfsg-19+deb8u4</td>
<td>amd64</td>
<td>MIT Kerberos runtime libraries - krb5 GSS-API Mechanism</td>
</tr>
<tr>
<td>libgtk2.0-0:amd64</td>
<td>2.24.25-3+deb8u2</td>
<td>amd64</td>
<td>GTK+ graphical user interface library</td>
</tr>
<tr>
<td>libgtk2.0-bin</td>
<td>2.24.25-3+deb8u2</td>
<td>amd64</td>
<td>graphical user interface library programs for the GTK+</td>
</tr>
<tr>
<td>libgtk2.0-common</td>
<td>2.24.25-3+deb8u2</td>
<td>all</td>
<td>common files for the GTK+ graphical user interface library</td>
</tr>
<tr>
<td>libharfBuzz0b:amd64</td>
<td>0.9.35-2</td>
<td>amd64</td>
<td>OpenType text shaping engine (shared library)</td>
</tr>
<tr>
<td>libhogweed2:amd64</td>
<td>2.7.1-5+deb8u2</td>
<td>amd64</td>
<td>low level cryptographic library (public-key cryptos)</td>
</tr>
</tbody>
</table>
| libhtml-form-perl | 6.03-1 | all | module that represents an HTML
form element

- libhtml-format-perl 2.11-1 all module for transforming HTML into various formats
- libhtml-parser-perl 3.71-1+b3 amd64 collection of modules that parse HTML text documents
- libhtml-tagset-perl 3.20-2 all Data tables pertaining to HTML syntax trees
- libhtml-tree-perl 5.03-1 all Perl module to represent and create

messages
- libhttp-cookies-perl 6.01-1 all HTTP cookie jars
- libhttp-daemon-perl 6.01-1 all simple http server class
- libhttp-date-perl 6.02-1 all module of date conversion routines
- libhttp-message-perl 6.06-1 all perl interface to HTTP style negotiation
- libhttp-negotiate-perl 6.00-2 all implementation of content

RDMA (InfiniBand/iWARP)
- libibverbs1 1.1.8-1.1 amd64 Library for direct userspace use of RDMA

Unicode
- libicu52:amd64 52.1-8+deb8u6 amd64 International Components for Unicode
- lidn11:amd64 1.29-1+deb8u2 amd64 GNU Libidn library, implementation of IETF IDN specifications

- libint1-perl 1.23-1+deb8u1 all Uniforum message translations

- libio-html-perl 1.001-1 all open an HTML file with automatic charset detection

- libio-socket-ip-perl 0.32-1 all module for using IPv4 and IPv6 sockets in a protocol-independent way
- libio-socket-ssl-perl 2.002-2+deb8u3 all Perl module implementing object oriented interface to SSL sockets

- libio-string-perl 1.08-3 all Emulate IO::File interface for in-core strings

- libirs-export91 1:9.9.5.dfsg-9+deb8u14 amd64 Exported IRS Shared Library
- libisc-export95 1:9.9.5.dfsg-9+deb8u14 amd64 Exported ISC Shared Library
- libisc95 1:9.9.5.dfsg-9+deb8u14 amd64 ISC Shared Library used by BIND

- libiscce90 1:9.9.5.dfsg-9+deb8u14 amd64 Command Channel Library used by BIND
- libisccfg-export90 1:9.9.5.dfsg-9+deb8u14 amd64 Exported ISC CFG Shared Library
- libisccfg90 1:9.9.5.dfsg-9+deb8u14 amd64 Config File Handling Library used by BIND

- libisl10:amd64 0.12.2-2 amd64 manipulating sets and relations of integer points bounded by linear constraints
- libitm1:amd64 4.9.2-10 amd64 GNU Transactional Memory Library
- libjson4:amd64 2.7-1+deb8u1 amd64 C library for encoding,
decoding and manipulating JSON data

<table>
<thead>
<tr>
<th>Package Name</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
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<tbody>
<tr>
<td>libjasper1:amd64</td>
<td>1.900.1-debian1-2.4+deb8u3</td>
<td>amd64</td>
<td>JasPer JPEG-2000</td>
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<tr>
<td>libjbig0:amd64</td>
<td>2.1-3.1</td>
<td>amd64</td>
<td>JBIGkit libraries</td>
</tr>
<tr>
<td>libjpeg62-turbo:amd64</td>
<td>1:1.3.1-12</td>
<td>amd64</td>
<td>libjpeg-turbo JPEG runtime</td>
</tr>
<tr>
<td>libjson-c2:amd64</td>
<td>0.11-4</td>
<td>amd64</td>
<td>JSON manipulation library - shared library</td>
</tr>
<tr>
<td>libk5crypto3:amd64</td>
<td>1.12.1+dfg-19+deb8u4</td>
<td>amd64</td>
<td>MIT Kerberos runtime libraries</td>
</tr>
<tr>
<td>libjbig0:amd64</td>
<td>2.1-3.1</td>
<td>amd64</td>
<td>JBIGkit libraries</td>
</tr>
<tr>
<td>libjpeg62-turbo:amd64</td>
<td>1:1.3.1-12</td>
<td>amd64</td>
<td>libjpeg-turbo JPEG runtime</td>
</tr>
<tr>
<td>libjson-c2:amd64</td>
<td>0.11-4</td>
<td>amd64</td>
<td>JSON manipulation library - shared library</td>
</tr>
<tr>
<td>libk5crypto3:amd64</td>
<td>1.12.1+dfg-19+deb8u4</td>
<td>amd64</td>
<td>MIT Kerberos runtime libraries</td>
</tr>
<tr>
<td>libkeyutils1:amd64</td>
<td>1.5.9-5+b1</td>
<td>amd64</td>
<td>Linux Key Management Utilities (library)</td>
</tr>
<tr>
<td>libkklbic</td>
<td>2.0.4-2</td>
<td>amd64</td>
<td>minimal libc subset for use with initramfs</td>
</tr>
<tr>
<td>libkmod2:amd64</td>
<td>18-3</td>
<td>amd64</td>
<td>libkmod shared library</td>
</tr>
<tr>
<td>libkrb5-3:amd64</td>
<td>1.12.1+dfg-19+deb8u4</td>
<td>amd64</td>
<td>MIT Kerberos runtime libraries</td>
</tr>
<tr>
<td>libkb5support0:amd64</td>
<td>1.12.1+dfg-19+deb8u4</td>
<td>amd64</td>
<td>MIT Kerberos runtime libraries</td>
</tr>
<tr>
<td>libksba8:amd64</td>
<td>1.3.2-1+deb8u1</td>
<td>amd64</td>
<td>X.509 and CMS support</td>
</tr>
<tr>
<td>liblcms2-2:amd64</td>
<td>2.6-3+deb8u1</td>
<td>amd64</td>
<td>Little CMS 2 color</td>
</tr>
<tr>
<td>libldap-2.4-2:amd64</td>
<td>2.4.40+dfg-1+deb8u3</td>
<td>amd64</td>
<td>OpenLDAP libraries</td>
</tr>
<tr>
<td>libldbl1:amd64</td>
<td>2:1.1.20-0+deb8u1</td>
<td>amd64</td>
<td>LDAP-like embedded</td>
</tr>
<tr>
<td>liblist-allutils-perl</td>
<td>0.09-1</td>
<td>all</td>
<td>Perl wrapper for modules List::Util and List::MoreUtils</td>
</tr>
<tr>
<td>liblist-moreutils-perl</td>
<td>0.33-2+b1</td>
<td>amd64</td>
<td>Perl module with additional list</td>
</tr>
<tr>
<td>librvm3.5:amd64</td>
<td>1:3.5-10</td>
<td>amd64</td>
<td>Modular compiler and toolchain</td>
</tr>
<tr>
<td>liblocale-gettext-perl</td>
<td>1.05-8+b1</td>
<td>amd64</td>
<td>module using libc functions for internatinalization in Perl</td>
</tr>
<tr>
<td>libblockfile-bin</td>
<td>1.09-6</td>
<td>amd64</td>
<td>support binaries for and cli utilities based on libblockfile locking</td>
</tr>
<tr>
<td>libblockfile-simple-perl</td>
<td>0.208-1</td>
<td>all</td>
<td>Perl module for simple advisory file</td>
</tr>
<tr>
<td>libblockfile1:amd64</td>
<td>1.09-6</td>
<td>amd64</td>
<td>NFS-safe locking library</td>
</tr>
<tr>
<td>liblog-agent-perl</td>
<td>1.000-1</td>
<td>all</td>
<td>Perl module providing helper logging routines</td>
</tr>
<tr>
<td>liblog-handler-perl</td>
<td>0.84-1</td>
<td>all</td>
<td>module to handle output destined for log files</td>
</tr>
<tr>
<td>liblog-message-perl</td>
<td>0.8-1</td>
<td>all</td>
<td>powerful and flexible message</td>
</tr>
<tr>
<td>liblogging-stdlog0:amd64</td>
<td>1.0.4-1</td>
<td>amd64</td>
<td>easy to use and lightweight</td>
</tr>
</tbody>
</table>

**Open Source Used In APIC-SE-BATMAN v2.0.1 21632**
logging library
  ii  liblognorm1:amd64  1.0.1-3    amd64  Log normalizing library
ii  liblrm2             1.0.12~rc1+hg2777-1.2  amd64  Reusable cluster libraries --
liblrm2
ii  liblrmd1:amd64      1.1.16-1~bpo8+1  amd64  cluster resource manager
LRMD library
ii  liblsan0:amd64     4.9.2-10    amd64  LeakSanitizer -- a memory leak
detector (runtime)
ii  libltld7:amd64     2.4.2-1.11+b1  amd64  System independent dlopen
wrapper for GNU libtool
ii  liblua5.2-0:amd64  5.2.3-1.1    amd64  Shared library for the Lua
interpreter version 5.2
ii  liblwp-mediatypes-perl  6.02-1    all  module to guess media type for a
file or a URL
ii  liblwp-protocol-https-perl  6.06-2    all  HTTPS driver for
LWP::UserAgent
ii  liblwres90           1:9.9.5.debian-9+deb8u14  amd64  Lightweight Resolver Library
used by BIND
ii  liblzma5:amd64      5.1.1alpha+20120614-2+b3  amd64  XZ-format compression
library
ii  liblzio2-2:amd64    2.08-1.2    amd64  data compression library
library using "magic" numbers
ii  libmagic1:amd64     1:5.22+15-2+deb8u3  amd64  File type determination
ii  libmail-sendmail-perl  0.79.16-1    all  Send email from a perl script
ii  libmailtools-perl   2.13-1      all  Manipulate email in perl programs
ii  libmath-calc-units-perl  1.07-1      all  Human-readable unit-aware
calculator
ii  libmnl0:amd64       1.0.3-5     amd64  minimalistic Netlink
communication library
ii  libmodule-build-perl 0.421000-2+deb8u1  all  framework for building and
installing Perl modules
ii  libmodule-implementation-perl  0.09-1  all  module for loading one of
several alternate implementations of a module
ii  libmodule-pluggable-perl  5.1-1     all  module for giving modules the
ability to have plugins
ii  libmodule-runtime-perl  0.014-1   all  Perl module for runtime module
handling
ii  libmodule-signature-perl  0.73-1+deb8u2  all  module to manipulate CPAN
SIGNATURE files
ii  libmount1:amd64    2.25.2-6     amd64  device mounting library
ii  libmpc3:amd64      1.0.2-1      amd64  multiple precision complex
floating-point library
ii  libmpdec2:amd64    2.4.1-1      amd64  library for decimal floating point
arithmetic (runtime library)
ii  libmpfr4:amd64     3.1.2-2      amd64  multiple precision floating-point
computation
ii  libmro-compat-perl 0.12-1     all  mro::* interface compatibility for
Perls < 5.9.5
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
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<tbody>
<tr>
<td>libmspack0:amd64</td>
<td>0.5-1+deb8u1</td>
<td>amd64</td>
<td>Library for Microsoft compression formats (shared library)</td>
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<tr>
<td>libmysqlclient18:amd64</td>
<td>5.5.58-0+deb8u1</td>
<td>amd64</td>
<td>MySQL database client library</td>
</tr>
<tr>
<td>libnagios-plugin-perl</td>
<td>0.36-1</td>
<td>all</td>
<td>Family of perl modules to streamline writing Nagios</td>
</tr>
<tr>
<td>libnamespace-clean-perl</td>
<td>0.25-1</td>
<td>all</td>
<td>Module for keeping imports and functions out of the current namespace</td>
</tr>
<tr>
<td>libncurses5:amd64</td>
<td>5.9+20140913-1+deb8u2</td>
<td>amd64</td>
<td>Shared libraries for terminal handling</td>
</tr>
<tr>
<td>libncursesw5:amd64</td>
<td>5.9+20140913-1+deb8u2</td>
<td>amd64</td>
<td>Shared libraries for terminal handling (wide character support)</td>
</tr>
<tr>
<td>libnet-http-perl</td>
<td>6.07-1</td>
<td>all</td>
<td>Module providing low-level HTTP connection client</td>
</tr>
<tr>
<td>libnet-smtp-ssl-perl</td>
<td>1.01-3</td>
<td>all</td>
<td>Perl module providing SSL support to Net::SMTP</td>
</tr>
<tr>
<td>libnet1:amd64</td>
<td>1.1.6+dfsg-3</td>
<td>amd64</td>
<td>Library for the construction and handling of network packets</td>
</tr>
<tr>
<td>libnetfilter-acct1:amd64</td>
<td>1.0.2-1.1</td>
<td>amd64</td>
<td>Netfilter acct library</td>
</tr>
<tr>
<td>libnettle4:amd64</td>
<td>2.7.1-5+deb8u2</td>
<td>amd64</td>
<td>Low level cryptographic library (symmetric and one-way ciphers)</td>
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<tr>
<td>libnewt0.52:amd64</td>
<td>0.52.17-1+b1</td>
<td>amd64</td>
<td>Not Erik's Windowing Toolkit - text mode windowing with slang</td>
</tr>
<tr>
<td>libnfnetlink0:amd64</td>
<td>1.0.1-3</td>
<td>amd64</td>
<td>Netfilter netlink library</td>
</tr>
<tr>
<td>libnfsidmap2:amd64</td>
<td>2.4.12-1+deb8u1</td>
<td>amd64</td>
<td>NFS idmapping library</td>
</tr>
<tr>
<td>libnss3:amd64</td>
<td>2.3.26-1+deb8u3</td>
<td>amd64</td>
<td>Network Security Service libraries</td>
</tr>
<tr>
<td>libnvidia:amd64</td>
<td>1.0-5</td>
<td>amd64</td>
<td>New Trivial Database - shared</td>
</tr>
<tr>
<td>libnuma1:amd64</td>
<td>2.0.10-1</td>
<td>amd64</td>
<td>Libraries for controlling NUMA policy</td>
</tr>
<tr>
<td>libopenhpi2</td>
<td>2.14.1-1.4</td>
<td>amd64</td>
<td>OpenHPI libraries (runtime and support files)</td>
</tr>
<tr>
<td>libopenpml0</td>
<td>2.0.16-1.4</td>
<td>amd64</td>
<td>Intelligent Platform Management Interface - runtime</td>
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<tr>
<td>libp11-kit0:amd64</td>
<td>0.20.7-1</td>
<td>amd64</td>
<td>Library for loading and coordinating access to PKCS#11 modules - runtime</td>
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<tr>
<td>libpackage-constants-perl</td>
<td>0.04-1</td>
<td>all</td>
<td>List constants defined in a package module providing routines for manipulating stashes</td>
</tr>
<tr>
<td>libpackage-stash-perl</td>
<td>0.37-1</td>
<td>all</td>
<td>Module providing routines for manipulating stashes (XS version)</td>
</tr>
<tr>
<td>libpackage-stash-xs-perl</td>
<td>0.28-2+b1</td>
<td>amd64</td>
<td>Perl module providing routines for manipulating stashes (XS version)</td>
</tr>
<tr>
<td>libpam-modules:amd64</td>
<td>1.1.8-3.1+deb8u2+b1</td>
<td>amd64</td>
<td>Pluggable</td>
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</table>
Authentication Modules for PAM
ii  libpam-modules-bin  1.1.8-3.1+deb8u2+b1  amd64  Pluggable Authentication Modules for PAM - helper binaries
ii  libpam-runtime  1.1.8-3.1+deb8u2  all  Runtime support for the PAM library
ii  libpam0g:amd64  1.1.8-3.1+deb8u2+b1  amd64  Pluggable Authentication Modules library
ii  libpango-1.0-0:amd64  1.36.8-3  amd64  Layout and rendering of internationalized text
ii  libpangocairo-1.0-0:amd64  1.36.8-3  amd64  Layout and rendering of internationalized text
ii  libpangoft2-1.0-0:amd64  1.36.8-3  amd64  Layout and rendering of internationalized text
ii  libpaper-utils  1.1.24+nmu4  amd64  library for handling paper characteristics (utilities)
ii  libpaper1:amd64  1.1.24+nmu4  amd64  library for handling paper characteristics
ii  libparams-classify-perl  0.013-4+b2  amd64  Perl module for argument type classification
ii  libparams-util-perl  1.07-2+b1  amd64  Perl extension for simple stand-alone param checking functions
ii  libparams-validate-perl  1.13-1+b1  amd64  Perl module to validate parameters to Perl method/function calls
ii  libparse-debianchangelog-perl  1.2.0-1.1  all  parse Debian changelogs and output them in other formats
ii  libpcap0.8:amd64  1.6.2-2  amd64  system interface for user-level packet capture
ii  libpci3:amd64  1:3.2.1-3  amd64  Linux PCI Utilities (shared library)
ii  libplumb2  1.0.12~rc1+hg2777-1.2  amd64  Reusable cluster libraries --
ii  libplumb2  1.0.12~rc1+hg2777-1.2  amd64  Reusable cluster libraries --
i ii libplumb2:amd64  1.0.12~rc1+hg2777-1.2  amd64  Reusable cluster libraries --
ii  libplumbgpl2  1.0.12~rc1+hg2777-1.2  amd64  Reusable cluster libraries --
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
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<tbody>
<tr>
<td>libpng12-0:amd64</td>
<td>1.2.50-2+deb8u3</td>
<td>amd64</td>
<td>PNG library - runtime</td>
</tr>
<tr>
<td>libpod-latex-perl</td>
<td>0.61-1</td>
<td>all</td>
<td>module to convert Pod data to formatted LaTeX</td>
</tr>
<tr>
<td>libpod-readme-perl</td>
<td>0.11-1</td>
<td>all</td>
<td>Perl module to convert POD to README file</td>
</tr>
<tr>
<td>libpopt0:amd64</td>
<td>1.16-10</td>
<td>amd64</td>
<td>lib for parsing cmdline parameters</td>
</tr>
<tr>
<td>libpq5:amd64</td>
<td>9.4.15-0+deb8u1</td>
<td>amd64</td>
<td>PostgreSQL C client library</td>
</tr>
<tr>
<td>libprelude2</td>
<td>1.0.0-11.4</td>
<td>amd64</td>
<td>Security Information Management System [ Base library ]</td>
</tr>
<tr>
<td>libprocps3:amd64</td>
<td>2:3.3.9-9</td>
<td>amd64</td>
<td>library for accessing process from /proc</td>
</tr>
<tr>
<td>libpsl0:amd64</td>
<td>0.5.1-1</td>
<td>amd64</td>
<td>Library for Public Suffix List (shared libraries)</td>
</tr>
<tr>
<td>libpth20:amd64</td>
<td>2.0.7-20</td>
<td>amd64</td>
<td>GNU Portable Threads</td>
</tr>
<tr>
<td>libpython-stdlib:amd64</td>
<td>2.7.9-1</td>
<td>amd64</td>
<td>interactive high-level object-oriented language (default python version)</td>
</tr>
<tr>
<td>libpython2.7:amd64</td>
<td>2.7.9-2+deb8u1</td>
<td>amd64</td>
<td>Shared Python runtime (version 2.7)</td>
</tr>
<tr>
<td>libpython2.7-minimal:amd64</td>
<td>2.7.9-2+deb8u1</td>
<td>amd64</td>
<td>Minimal subset of the Python language (version 2.7)</td>
</tr>
<tr>
<td>libpython2.7-stdlib:amd64</td>
<td>2.7.9-2+deb8u1</td>
<td>amd64</td>
<td>Interactive high-level object-oriented language (standard library, version 2.7)</td>
</tr>
<tr>
<td>librpm3</td>
<td>4.11.3-1.1</td>
<td>amd64</td>
<td>RPM shared library</td>
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<td>librpmbuild3</td>
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<td>RPM build shared library</td>
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<td>4.11.3-1.1</td>
<td>amd64</td>
<td>RPM IO shared library</td>
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<tr>
<td>librpmssign1</td>
<td>4.11.3-1.1</td>
<td>amd64</td>
<td>RPM signing shared library</td>
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</table>
| libtmp1:amd64          | 2.4+20150115.gita107cef-1+de amd64 | toolkit for RTMP streams (shared library)
Libraries necessary to run Ruby 2.1

- **libruby2.1:amd64** 2.1.5-2+deb8u3 amd64
- **libsasl2-2:amd64** 2.1.26.dfsg1-13+deb8u1 amd64
- **libsasl2-modules:amd64** 2.1.26.dfsg1-13+deb8u1 amd64
- **libsasl2-modules-db:amd64** 2.1.26.dfsg1-13+deb8u1 amd64
- **libselinux1:amd64** 2.3-2 amd64
- **libsemanage-common** 2.3-1 all
- **libsemanage1:amd64** 2.3-1+b1 amd64
- **libsensors4:amd64** 1:3.3.5-2 amd64
- **libsepol1:amd64** 2.3-2 amd64
- **libsigc++-2.0-0c2a:amd64** 2.4.0-1 amd64
- **libsigsegv2:amd64** 2.10-4+b1 amd64
- **libslang2:amd64** 2.3.0-2 amd64
- **libsmartcols1:amd64** 2.25.2-6 amd64
- **libsmbclient:amd64** 2:4.2.14+dfsg-0+deb8u9 amd64
- **libsnmp-base** 5.7.2.1+dfsg-1 all
- **libsnmp30:amd64** 5.7.2.1+dfsg-1 amd64
- **libsoftware-license-perl** 0.103010-3 all
- **libsqlite3-0:amd64** 3.8.7.1-1+deb8u2 amd64
- **libss2:amd64** 1.42.12-2+b1 amd64
- **libssh2-1:amd64** 1.4.3-4.1+deb8u1 amd64
- **libssl1.0.0:amd64** 1.0.2l-1~bpo8+1 amd64
- **libstatgrab9** 0.90-1.2 amd64
- **libstdc++-4.9-dev:amd64** 4.9.2-10 amd64
- **libstdc++6:amd64** 4.9.2-10 amd64
- **libstonith1** 1.0.12~rc1+hg2777-1.2 amd64
- **libstonithd2:amd64** 1.1.16-1~bpo8+1 amd64

SELinux runtime shared libraries

- **libselinux1:amd64** 2.3-2 amd64
- **libsemanage-common** 2.3-1 all
- **libsemanage1:amd64** 2.3-1+b1 amd64

SELinux policy management library

- **libselinux1:amd64** 2.3-2 amd64
- **libsemanage-common** 2.3-1 all
- **libsemanage1:amd64** 2.3-1+b1 amd64

Library to read temperature/voltage/fan sensors

- **libsensors4:amd64** 1:3.3.5-2 amd64

SELinux library for manipulating binary security policies

- **libsepol1:amd64** 2.3-2 amd64

Type-safe Signal Framework for C++ - runtime

- **libsigc++-2.0-0c2a:amd64** 2.4.0-1 amd64

Library for handling page faults in a portable way

- **libsigsegv2:amd64** 2.10-4+b1 amd64

S-Lang programming library - runtime version

- **libslang2:amd64** 2.3.0-2 amd64

Smart column output alignment library

- **libsmartcols1:amd64** 2.25.2-6 amd64

Shared library for communication with SMB/CIFS servers

- **libsmbclient:amd64** 2:4.2.14+dfsg-0+deb8u9 amd64

SNMP configuration script, MIBs and documentation

- **libsnmp-base** 5.7.2.1+dfsg-1 all
- **libsnmp30:amd64** 5.7.2.1+dfsg-1 amd64

Module providing templated software licenses

- **libsoftware-license-perl** 0.103010-3 all

SQLite 3 shared library command-line interface parsing

- **libsqlite3-0:amd64** 3.8.7.1-1+deb8u2 amd64
- **libss2:amd64** 1.42.12-2+b1 amd64

SSH2 client-side library Secure Sockets Layer toolkit - shared libraries

- **libssh2-1:amd64** 1.4.3-4.1+deb8u1 amd64
- **libssl1.0.0:amd64** 1.0.2l-1~bpo8+1 amd64

Library being useful interface to system statistics

- **libstatgrab9** 0.90-1.2 amd64

GNU Standard C++ Library

- **libstdc++-4.9-dev:amd64** 4.9.2-10 amd64
- **libstdc++6:amd64** 4.9.2-10 amd64

Reusable cluster libraries --

- **libstonith1** 1.0.12~rc1+hg2777-1.2 amd64
- **libstonithd2:amd64** 1.1.16-1~bpo8+1 amd64

STONITH daemon library

- **libstonith1** 1.0.12~rc1+hg2777-1.2 amd64
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
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<tbody>
<tr>
<td>libsub-exporter-perl</td>
<td>0.986-1</td>
<td>all</td>
<td>sophisticated exporter for custom-built routines</td>
</tr>
<tr>
<td>libswitch-perl</td>
<td>2.17-2</td>
<td>all</td>
<td>switch statement for Perl</td>
</tr>
<tr>
<td>libsub-identify-perl</td>
<td>0.08-1</td>
<td>amd64</td>
<td>module to retrieve names of code</td>
</tr>
<tr>
<td>libsub-install-perl</td>
<td>0.928-1</td>
<td>all</td>
<td>module for installing subroutines into packages easily</td>
</tr>
<tr>
<td>libsys-hostname-long-perl</td>
<td>1.4-3</td>
<td>all</td>
<td>Figure out the long (fully-qualified) hostname</td>
</tr>
<tr>
<td>libterm-ui-perl</td>
<td>0.42-1</td>
<td>all</td>
<td>Term::ReadLine UI made easy</td>
</tr>
<tr>
<td>libtinfo5:amd64</td>
<td>5.9+20140913-1+deb8u2</td>
<td>amd64</td>
<td>shared low-level terminfo</td>
</tr>
<tr>
<td>libtirpc1:amd64</td>
<td>0.2.5-1+deb8u1</td>
<td>amd64</td>
<td>transport-independent RPC</td>
</tr>
<tr>
<td>libtokyocabinet9:amd64</td>
<td>1.4.48-3</td>
<td>amd64</td>
<td>Tokyo Cabinet Database</td>
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<tr>
<td>Package</td>
<td>Version</td>
<td>Architecture</td>
<td>Description</td>
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<td>libtomcrypt0:amd64</td>
<td>1.17-6</td>
<td>amd64</td>
<td>public domain open source</td>
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<td>libtommath0</td>
<td>0.42.0-1.1</td>
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<td>multiple-precision integer library</td>
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<tr>
<td>libtotem-pg5:amd64</td>
<td>2.4.2-3-bpo8+1</td>
<td>amd64</td>
<td>cluster engine Totem library</td>
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<tr>
<td>libtransitioner2:amd64</td>
<td>1.1.16-1-bpo8+1</td>
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<td>cluster resource manager</td>
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<td>library-tiny-perl</td>
<td>0.22-1</td>
<td>all</td>
<td>module providing minimalistic try/catch</td>
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<tr>
<td>libbsan0:amd64</td>
<td>4.9.2-10</td>
<td>amd64</td>
<td>ThreadSanitizer -- a Valgrind-based detector of data races (runtime)</td>
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<td>libdev1:amd64</td>
<td>215-17+deb8u7</td>
<td>amd64</td>
<td>libudev shared library</td>
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<tr>
<td>libunbound2:amd64</td>
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<td>library implementing DNS resolution and validation</td>
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<td>libunistring0:amd64</td>
<td>0.9.3-5.2+b1</td>
<td>amd64</td>
<td>Unicode string library for C</td>
</tr>
<tr>
<td>liburi-perl</td>
<td>1.64-1</td>
<td>all</td>
<td>module to manipulate and access URI strings</td>
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<tr>
<td>libusb-0.1-4:amd64</td>
<td>2:0.1.12-25</td>
<td>amd64</td>
<td>userspace USB programming</td>
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<tr>
<td>libusb-1.0-0:amd64</td>
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<td>amd64</td>
<td>userspace USB programming</td>
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<td>libuuid1:amd64</td>
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<td>amd64</td>
<td>Universally Unique ID library</td>
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<td>libvariable-magic-perl</td>
<td>0.55-1</td>
<td>amd64</td>
<td>module to associate user-defined magic to variables from Perl Votequorum library</td>
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<tr>
<td>libvotequorum8:amd64</td>
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<td>cluster engine</td>
</tr>
<tr>
<td>libwbclient0:amd64</td>
<td>2:4.2.14+dfsg-0+deb8u9</td>
<td>amd64</td>
<td>Samba winbind client</td>
</tr>
<tr>
<td>libwebpdemux1:amd64</td>
<td>0.4.1-1.2+b2</td>
<td>amd64</td>
<td>Lossy compression of digital photographic images.</td>
</tr>
<tr>
<td>libwebpmux1:amd64</td>
<td>0.4.1-1.2+b2</td>
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<td>Lossy compression of digital photographic images.</td>
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<td>7.6.q-25</td>
<td>amd64</td>
<td>Wietse Venema's TCP wrappers</td>
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<tr>
<td>libwww-perl</td>
<td>6.08-1</td>
<td>all</td>
<td>simple and consistent interface to the world-wide web</td>
</tr>
<tr>
<td>libwww-robotrules-perl</td>
<td>6.01-1</td>
<td>all</td>
<td>database of robots.txt-derived permissions</td>
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<td>libx11-6:amd64</td>
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<td>amd64</td>
<td>X11 client-side library</td>
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<tr>
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<td>X11 client-side library</td>
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<td>Search engine library</td>
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<td>libxau6:amd64</td>
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<td>amd64</td>
<td>X11 authorisation library</td>
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<tr>
<td>libxcb-render0:amd64</td>
<td>1.10-3+b1</td>
<td>amd64</td>
<td>X C Binding, render</td>
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extension
ii libxcb-shm0:amd64 1.10-3+b1 amd64 X C Binding, shm extension
ii libxcb1:amd64 1.10-3+b1 amd64 X C Binding
ii libxcomposite1:amd64 1:0.4.4-1 amd64 X11 Composite extension library
ii libxcursor1:amd64 1:1.1.14-1+deb8u1 amd64 X cursor management library
ii libxdamage1:amd64 1:1.1.4-2+b1 amd64 X11 damaged region extension library
ii libxdmcp6:amd64 1:1.1.1-1+b1 amd64 X11 Display Manager Control Protocol library
ii libxext6:amd64 2:1.3.3-1 amd64 X11 miscellaneous extension library
ii libxfixed3:amd64 1:5.0.1-2+deb8u1 amd64 X11 miscellaneous 'fixes' extension library
ii libxinput6:amd64 2:1.7.4-1+deb8u1 amd64 X11 Input extension library
ii libxinerama1:amd64 2:1.1.3-1+b1 amd64 X11 Xinerama extension library
ii libxml-libxml-perl 2.0116+dfsg-1+deb8u2 amd64 Perl interface to the libxml2 library
ii libxml-namespacesupport-perl 1.11-1 all Perl module for supporting simple generic namespaces
ii libxml-parser-perl 2.41-3 amd64 Perl module for parsing XML files
ii libxml-sax-base-perl 1.07-1 all base class for SAX drivers and filters
ii libxml-sax-expat-perl 0.40-2 all Perl module for a SAX2 driver for Expat (XML::Parser)
ii libxml-sax-perl 0.99+dfsg-2 all Perl module for using and building Perl SAX2 XML processors
ii libxml2:amd64 2.9.1+dfsg1-5+deb8u6 amd64 GNOME XML library
ii libxmuu1:amd64 2:1.1.2-1 amd64 X11 miscellaneous micro-utility library
ii libxrandr2:amd64 2:1.4.2-1+deb8u1 amd64 X11 RandR extension library
ii libxrender1:amd64 1:0.9.8-1+b1 amd64 X Rendering Extension client library
ii libxslt1.1:amd64 1.1.28-2+deb8u3 amd64 XSLT 1.0 processing library - runtime library
ii libxtables10 1.4.21-2+b1 amd64 netfilter xtables library
ii libyaml-0-2:amd64 0.1.6-3 amd64 Fast YAML 1.1 parser and emitter library
ii linux-base 4.3~bpo8+1 all Linux image base package
ii linux-compiler-gcc-4.9-x86 on x86 (meta-package) 4.9.30-2+deb9u5~bpo8+1 amd64 Compiler for Linux
ii linux-headers-4.9.0-0.bpo.4-amd64 for Linux 4.9.0-0.bpo.4 4.9.51-1~bpo8+1 amd64 Header files for Linux 4.9.0-0.bpo.4
ii linux-headers-4.9.0-0.bpo.4-common 4.9.51-1~bpo8+1 all Common header files
based on their name
ii  monitoring-plugins  2.1.1-1  all  Plugins for nagios compatible
monitoring systems (metapackage)
ii  monitoring-plugins-basic  2.1.1-1  amd64  Plugins for nagios compatible
monitoring systems (basic)
ii  monitoring-plugins-common  2.1.1-1  amd64  Common files for plugins
for nagios compatible monitoring
ii  monitoring-plugins-standard  2.1.1-1  amd64  Plugins for nagios compatible
monitoring systems (standard)
ii  mount  2.25.2-6  amd64  Tools for mounting and manipulating
filesystems
ii  mtr-tiny  0.85-3  amd64  Full screen ncurses traceroute tool
eii  multiarch-support  2.19-18+deb8u10  amd64  Transitional package to
ensure multiarch compatibility
ii  mutt  1.5.23-3  amd64  text-based mailreader supporting
MIME, GPG, PGP and threading
ii  mysql-common  5.5.58-0+deb8u1  all  MySQL database common
files, e.g. /etc/mysql/my.cnf
ii  nagios-nrpe-server  2.15-1  amd64  Nagios Remote Plugin Executor
Server
ii  nagios-plugins  2.1.1-1  all  transitional dummy package (nagios-
plugins to monitoring-plugins)
ii  nano  2.2.6-3  amd64  small, friendly text editor inspired by
Pico
ii  ncurses-base  5.9+20140913-1+deb8u2  all  basic terminal type definitions
ii  ncurses-bin  5.9+20140913-1+deb8u2  amd64  terminal-related programs
and man pages
ii  ncurses-term  5.9+20140913-1+deb8u2  all  additional terminal type
definitions
ii  net-tools  1.60-26+b1  amd64  NET-3 networking toolkit
ii  netbase  5.3  all  Basic TCP/IP networking system
ii  netcat-traditional  1.10-41  amd64  TCP/IP swiss army knife
ii  nfsacct  1.0.1-1.1  amd64  netfilter accounting object tool
client and server
ii  nfs-common  1:1.2.8-9  amd64  NFS support files common to
client and server
ii  odiso-archive-keyring  1.0-1  all  GnuPG archive key of the unofficial
Odioso repository
rc  openntpd  20080406p-10  amd64  OpenBSD NTP daemon
ii  openssh-client  1:6.7p1-5+deb8u4  amd64  secure shell (SSH) client, for
secure access to remote machines
ii  openssh-server  1:6.7p1-5+deb8u4  amd64  secure shell (SSH) server, for
secure access from remote machines
ii  openssl  1:6.7p1-5+deb8u4  amd64  secure shell (SSH) sftp
cryptographic utility
ii  os-prober  1.65+deb8u1  amd64  utility to detect other OSes on a
set of drives

---

Open Source Used In APIC-SE-BATMAN v2.0.1  21642
<table>
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<th>Package Name</th>
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<th>Architecture</th>
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<td>pacemaker-cli-utils</td>
<td>1.1.16-1-bpo8+1</td>
<td>amd64</td>
<td>cluster resource manager command line utilities</td>
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<tr>
<td>pacemaker-common</td>
<td>1.1.16-1-bpo8+1</td>
<td>all</td>
<td>cluster resource manager common files</td>
</tr>
<tr>
<td>pacemaker-resource-agents</td>
<td>1.1.16-1-bpo8+1</td>
<td>all</td>
<td>cluster resource manager general resource agents</td>
</tr>
<tr>
<td>passwd</td>
<td>1:4.2-3+deb8u4</td>
<td>amd64</td>
<td>change and administer password and group data</td>
</tr>
<tr>
<td>patch</td>
<td>2.7.5-1</td>
<td>amd64</td>
<td>Apply a diff file to an original</td>
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<tr>
<td>pax</td>
<td>1:20140703-2</td>
<td>amd64</td>
<td>Portable Archive Interchange (cpio, pax, tar)</td>
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<td>pacemaker</td>
<td>1.1.16-1-bpo8+1</td>
<td>all</td>
<td>cluster resource manager</td>
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<td>perl</td>
<td>5.20.2-3+deb8u9</td>
<td>amd64</td>
<td>Larry Wall's Practical Extraction and Report Language</td>
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<td>perl-base</td>
<td>5.20.2-3+deb8u9</td>
<td>all</td>
<td>minimal Perl system</td>
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<td>perl-modules</td>
<td>5.20.2-3+deb8u9</td>
<td>all</td>
<td>Core Perl modules</td>
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<td>pinentry-gtk2</td>
<td>0.8.3-2</td>
<td>amd64</td>
<td>GTK+-2-based PIN or pass-phrase</td>
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<tr>
<td>po-debconf</td>
<td>1.0.16+nmu3</td>
<td>all</td>
<td>tool for managing templates file translations with gettext</td>
</tr>
<tr>
<td>postfix</td>
<td>2.11.3-1+deb8u2</td>
<td>amd64</td>
<td>High-performance mail transport agent</td>
</tr>
<tr>
<td>procmail</td>
<td>3.22-24+deb8u1</td>
<td>amd64</td>
<td>Versatile e-mail processor</td>
</tr>
<tr>
<td>procs</td>
<td>2:3.3.9-9</td>
<td>amd64</td>
<td>/proc file system utilities</td>
</tr>
<tr>
<td>psmisc</td>
<td>22.21-2</td>
<td>amd64</td>
<td>utilities that use the proc file system</td>
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<td>puppet</td>
<td>3.7.2-4+deb8u1</td>
<td>all</td>
<td>configuration management system, agent</td>
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<td>1.10.9-1jessie</td>
<td>amd64</td>
<td>The Puppet Agent package</td>
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<tr>
<td>puppet-common</td>
<td>4.8.2-5-bpo8+1</td>
<td>all</td>
<td>transitional dummy package</td>
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<td>interactive high-level object-oriented language</td>
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<tr>
<td>python-apt</td>
<td>0.9.3.12</td>
<td>amd64</td>
<td>Python interface to libapt-pkg</td>
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<td>python-apt-common</td>
<td>0.9.3.12</td>
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<td>python-chardet</td>
<td>2.3.0-1</td>
<td>all</td>
<td>universal character encoding detector</td>
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<td>python-crypto</td>
<td>2.6.1-5+deb8u1</td>
<td>amd64</td>
<td>cryptographic algorithms and protocols for Python</td>
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<td>python-dateutil</td>
<td>2.2-2</td>
<td>all</td>
<td>powerful extensions to the standard</td>
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<td>python-debian</td>
<td>0.1.27</td>
<td>all</td>
<td>Python modules to work with Debian-related data formats</td>
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<tr>
<td>python-debian-bts</td>
<td>1.12</td>
<td>all</td>
<td>Python interface to Debian’s Bug Tracking System</td>
</tr>
<tr>
<td>python-defusedxml</td>
<td>0.4.1-2</td>
<td>all</td>
<td>XML bomb protection for Python stdlib modules (for Python 2)</td>
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python-docutils 0.12+dfsg-1 all text processing system for reStructuredText (implemented in Python 2)
python-ldb 2:1.1.20-0+deb8u1 amd64 Python bindings for LDB
python-lxml 3.4.0-1 amd64 pythonic binding for the libxml2 and libxslt libraries
python-minimal 2.7.9-1 amd64 minimal subset of the Python language (default version)
python-ntdb 1.0-5 amd64 Python bindings for NTDB
python-parallax 1.0.1-3~bpo8+1 all Execute commands and copy files over SSH (Python 2)
python-pil:amd64 2.6.1-2+deb8u3 amd64 Python Imaging Library (Pillow fork)
python-pkg-resources 5.5.1-1 all Package Discovery and Resource Access using pkg_resources
python-pygments 2.0.1+dfsg-1.1+deb8u1 all syntax highlighting package written in Python
python-reportbug 6.6.3 all Python modules for interacting with bug tracking systems
python-roman 2.0.0-1 all module for generating/analyzing Roman numerals for Python 2
python-samba 2:4.2.14+dfsg-0+deb8u9 amd64 Python bindings for Samba
python-six 1.8.0-1 all Python 2 and 3 compatibility library (Python 2 interface)
python-soappy 0.12.22-1 all SOAP Support for Python
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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.

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.

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this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate 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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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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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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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Ty Coon, President of Vice

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

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* DNS resolver (dirmngr/dns.c)

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-------------------------------------------------------------
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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
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```
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
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1.1938 libproxy 0.4.11-8.el7

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1.1939 sqlite 3.26.0-7.el7.0atomix1

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1.1943 perl-encode 2.51-7.el7

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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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# application/emergencycalldata.subscriberinfo+xml
application/emma+xml		emma
# application/emotionml+xml
# application/encaprtp
# application/epp+xml
application/epub+zip	epub
# application/eshop
# application/example
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# application/fastinfoset
# application/fastsoap
# application/fdt+xml
# application/fits
# application/font-sfnt
application/font-tdf
application/font-woff
application/font-woff
# application/framework-attributes+xml
# application/geo+json
application/gml+xml
application/gpx+xml
application/gxf
# application/gzip
# application/h224
# application/held+xml
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application/hyperstudio		stk
# application/ibe-key-request+xml
# application/ibe-pkg-reply+xml
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# application/rfc+xml
# application/riscos
# application/rmi+xml
application/rls-services+xml
application/rlmi+xml
# application/rfc+xml
# application/rmp+xml
application/sbml+xml
# application/scaip+xml
# application/scim+xml
application/scvp-cv-request
application/scvp-cv-response
application/scvp-vp-request
application/scvp-vp-response
application/sdp
# application/sep+xml
# application/sep-exi
# application/session-info
# application/set-payment
application/set-payment-initiation
# application/set-registration
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# application/sgml
# application/sgml-open-catalog
application/shf+xml
# application/sieve
# application/simple-filter+xml
# application/simple-message-summary
# application/simplesymbolcontainer
# application/slate
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application/smil+xml
application/smi
# application/smpte336m
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# application/soap+xml
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/atom/AtomFeedHttpMessageConverter.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/annotation/ApplicationScope.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/cors/CorsConfigurationSource.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/bind/annotation/PostMapping.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/WebApplicationContext.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java

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 */

/**
 * Return the web session for the current request. Always guaranteed to
 * return an instance either matching to the session id requested by the
 * client, or with a new session id either because the client did not
 * specify one or because the underlying session had expired. Use of this
 * method does not automatically create a session. See {@link WebSession}
 * for more details.
 */

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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/server/WebSession.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/util/JavaScriptUtils.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/multipart/support/DefaultMultipartHttpServletRequest.java  
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/context/request/async/WebAsyncTask.java  
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/http/server/reactive/SslInfo.java  
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/context/request/async/CallableInterceptorChain.java  
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/context/ServletContextAware.java  
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/context/support/XmlWebApplicationContext.java

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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/bind/MissingRequestCookieException.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/context/request/AbstractRequestAttributes.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/client/OkHttp3ClientHttpRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/accept/PathExtensionContentNegotiationStrategy.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/bind/support/SessionStatus.java

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1.1949 nss 3.44.0-4.el7_7

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1.1950 scala 2.12.11
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
    Either create a single parameter accepting the Tuple2,
    or consider a pattern matching anonymous function: `\{ case (a, b) => ... }`
val x: ([Int, Int] => Int) = (((a, b)) => a)
^

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
    Either create a single parameter accepting the Tuple2,
    or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... }`
val y: ([Int, Int, Int] => Int) = (((a, !!)) => a)
^

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
    Either create a single parameter accepting the Tuple3,
    or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... }`
val z: ([Int, Int, Int] => Int) = (((a, NotAPatternVariableName, c)) => a)
^

three errors found
Scala includes the ASM library.

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same 
year, the PythonLabs team moved to Digital Creations, which became 
Zope Corporation. In 2001, the Python Software Foundation (PSF, see 
https://www.python.org/psf/) was formed, a non-profit organization 
created specifically to own Python-related Intellectual Property. 
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for 
the Open Source Definition). Historically, most, but not all, Python 
releases have also been GPL-compatible; the table below summarizes 
the various releases.

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*uganda.txt*    For Vim version 8.1. Last change: 2018 May 17

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
couraged 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
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 will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes.
   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 mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
      - 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.

III) If you distribute a modified version of Vim, you are encouraged to use
the Vim license for your changes and make them available to the
maintainer, including the source code. The preferred way to do this is
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).

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.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:et:ft=help:norl:

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

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

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

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

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

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.

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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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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.

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

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

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

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

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

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

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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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.

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Theodore Ts'o
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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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General Public License.


On Debian GNU systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'. This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "$MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BASHLIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BASHLIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BASHLIB)
$(RM) -f $(BASHLIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BASHLIB) $(BASHLIB))

install-shlibs install:: $(BASHLIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BASHLIB)"
@$(INSTALL_PROGRAM) $(BASHLIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BASHLIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BASHLIB)

clean::
$(RM) -rf pic
$(RM) -f $(BASHLIB)
$(RM) -f ../*.so

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

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

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  jar/org/springframework/aop/AopInvocationException.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
  jar/org/springframework/aop/target/PoolingConfig.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
  jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
  jar/org/springframework/aop/IntroductionAdvisor.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
  jar/org/springframework/aop/AfterReturningAdvice.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
  jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
  jar/org/springframework/aop/framework/adapter/AdvisorAdapter.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.670/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.670/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/AfterAdvice.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/framework/AdvisedSupportListener.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources.jar/org/springframework/aop/aspectj/AspectJExpressionPointcut.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/config/ConfigBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/target/AbstractBeanFactoryBasedTargetSource.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistry.java
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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/config/ConfigBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistry.java

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* /opt/ws_local/PERMITS_SQL/1069262507_1594595098.67/0/spring-aop-5-1-9-release-sources-jar/org/springframework/aop/framework/autoproxy/InfrastructureAdvisorAutoProxyCreator.java

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set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
```

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 * @param methodVisitor the method visitor to which this adapter delegates calls.
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1975 systemd 219-62.el7_6.5
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1.1976 llvm 3.6.2-2.el7
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; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]*]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]*]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]*]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]*]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %2 = inttoptr i32 %[[M1:const_mat[0-9]*]] to i8*
define void @foo_i8() {
entry:
%0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
%1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
%2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
%3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
%4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
store i8 %4, i8* inttoptr(i32 805873688 to i8*)
store i8 %3, i8* inttoptr(i32 805873719 to i8*)
store i8 %2, i8* inttoptr(i32 805873720 to i8*)
store i8 %1, i8* inttoptr(i32 805873727 to i8*)
store i8* inttoptr(i32 805874800 to i8*), i8** @goo
ret void
}

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
define void @foo_i16() {
  entry:
  %0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
  %1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
  %2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
  %3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
  %4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
  %5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
  ret void
}

define void @foo_i32() {
  entry:
  %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
  %1 = load volatile i32, i32* %0, align 4
  %2 = load volatile i32, i32* %0, align 4
  %3 = load volatile i32, i32* %0, align 4
  %4 = load volatile i32, i32* %0, align 4
  %5 = load volatile i32, i32* %0, align 4
  ret void
}
%1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
%2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
ret void
}

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; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
  ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
  ret void
}

define internal void @innerNoAttribute() {
  ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
    call void @innerSmall()
    ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
    call void @innerNoAttribute()
    ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }

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define void @zext256() "min-legal-vector-width"="256" {
    \VEC256-LABEL: 'zext256'
    \VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    \VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    \VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    \VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    \VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    \VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
define void @zext512() "min-legal-vector-width"="512" {
  ; AVX-LABEL: 'zext512'
  ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  %A = zext <8 x i16> undef to <8 x i64>
  %B = zext <8 x i32> undef to <8 x i64>
  %C = zext <16 x i8> undef to <16 x i32>
  %D = zext <16 x i16> undef to <16 x i32>
  %E = zext <32 x i8> undef to <32 x i16>
  ret void
}
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}
define void @sext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'sext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'sext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX256-LABEL: 'sext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
; %A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}
; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
;
; D31946
; Check that we dont end up with the "LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)
define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
} ; CHECK-LABEL: TestSelect:
; CHECK movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}
define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
} ; CHECK-LABEL: TestFabs:
; CHECK andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}
define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
} ; CHECK-LABEL: TestCopysign:
define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define void @autogen_SD4739(i8*) {

define void @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}; CHECK-LABEL: TestFneg:
  ; CHECK movaps %xmm0, %xmm1
  ; CHECK-NEXT callq __multf3
  ; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
  ; CHECK-NEXT popq %rax
  ; CHECK-NEXT retq
}

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SOFTWARE.

; RUN: llc -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*) {

  %L34 = load i8*, i8* %0
  %Cmp56 = icmp sgt i8 undef, %L34
  br label %CF246

  CF246:
      ; preds = %CF246, %BB
%SI163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

CF248:         ; preds = %CF248, %CF246
store i8 %SI163, i8* %0
br label %CF248
}

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PARTICULAR PURPOSE.

; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
  entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph: ; preds = %entry
  br %while.body

while.body: ; preds = %exit.2, %while.body.lr.ph
  %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
  switch i32 undef, label %exit [ i32 1, label %sw.bb.i i32 2, label %sw.bb3.i ]

sw.bb.i: ; preds = %while.body
  unreachable

sw.bb3.i: ; preds = %while.body
  unreachable

exit: ; preds = %while.body
  switch i32 undef, label %exit.2 [ i32 1, label %sw.bb.i17 i32 2, label %sw.bb3.i20 ]
attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }

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Program        Directory
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; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
  ; CHECK-LABEL: test_sitofp_fixed:

  ; First, extend each i32 to i64.
  ; CHECK-DAG: sshll2.2d [[[BLOCK0_HI:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll2.2d [[[BLOCK1_HI:v[0-9]+]], v1, #0
  ; CHECK-DAG: sshll2.2d [[[BLOCK2_HI:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll2.2d [[[BLOCK3_HI:v[0-9]+]], v3, #0

  ; Next, convert each to double.
  ; CHECK-DAG: scvtf.2d v0, [[[BLOCK0_LO:v[0-9]+]]
  ; CHECK-DAG: scvtf.2d v1, [[[BLOCK0_HI]]
  ; CHECK-DAG: scvtf.2d v2, [[[BLOCK1_LO]]
  ; CHECK-DAG: scvtf.2d v3, [[[BLOCK1_HI]]
  ; CHECK-DAG: scvtf.2d v4, [[[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit | FileCheck %s

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed to be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: add256:
; CHECK:       # %bb.0:
; CHECK-NEXT:   vmovdqa (%rdi), %ymm0
; CHECK-NEXT:   vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:   vpadd (%rsi), %ymm0, %ymm0
; CHECK-NEXT:   vpadd 32(%rsi), %ymm1, %ymm1

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
    %d = load <16 x i32>, <16 x i32>* %a
    %e = load <16 x i32>, <16 x i32>* %b
    %f = add <16 x i32> %d, %e
    store <16 x i32> %f, <16 x i32>* %c
    ret void
}

define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, %4
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, %7
    ret void
}
define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {  
  ; CHECK-LABEL: avg_v64i8_512:  
  ; CHECK:    # %bb.0:  
  ; CHECK-NEXT: vmovdqa64 (%rsi), %zmm0  
  ; CHECK-NEXT: vpavgb (%rdi), %zmm0, %zmm0  
  ; CHECK-NEXT: vmovdqu64 %zmm0, (%rax)  
  ; CHECK-NEXT: vzeroupper  
  ; CHECK-NEXT: retq  
  %1 = load <64 x i8>, <64 x i8>* %a  
  %2 = load <64 x i8>, <64 x i8>* %b  
  %3 = zext <64 x i8> %1 to <64 x i32>  
  %4 = zext <64 x i8> %2 to <64 x i32>  
  %5 = add nuw nsw <64 x i32> %3, %4  
  %6 = add nuw nsw <64 x i32> %5, %4  
  %7 = lshr <64 x i32> %6, %4  
  store <64 x i8> %7, <64 x i8>* undef, align 4  
  ret void  
}  

define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {  
  ; CHECK-LABEL: pmaddwd_32_256:  
  ; CHECK:    # %bb.0:  
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0  
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1  
  ; CHECK-NEXT: vpmaddwd (%rsi), %ymm0, %ymm0  
  ; CHECK-NEXT: vpmaddwd 32(%rsi), %ymm1, %ymm1  
  ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)  
  ; CHECK-NEXT: vmovdqa %ymm0, (%rdx)  
  ; CHECK-NEXT: vzeroupper  
  ; CHECK-NEXT: retq  
  %A = load <32 x i16>, <32 x i16>* %APtr  
  %B = load <32 x i16>, <32 x i16>* %BPtr  
  ret void  
}
define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
; CHECK-LABEL: pmaddwd_32_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%A = load <32 x i16>, <32 x i16>* %APtr
%B = load <32 x i16>, <32 x i16>* %BPtr
%A = sext <32 x i16> %A to <32 x i32>
%B = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 0, %i32 2, %i32 4, %i32 6, %i32 8, %i32 10, %i32 12, %i32 14, %i32 16, %i32 18, %i32 20, %i32 22, %i32 24, %i32 26, %i32 28, %i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 1, %i32 3, %i32 5, %i32 7, %i32 9, %i32 11, %i32 13, %i32 15, %i32 17, %i32 19, %i32 21, %i32 23, %i32 25, %i32 27, %i32 29, %i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void
}

define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: psubus_64i8_max_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpsubusb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%x = load <64 x i8>, <64 x i8>* %xptr

%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: psubus_64i8_max_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0
    ; CHECK-NEXT:    vpsubusb (%rsi), %zmm0, %zmm0
    ; CHECK-NEXT:    vmovdqa64 %zmm0, (%rdx)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %x = load <64 x i8>, <64 x i8>* %xptr
    %y = load <64 x i8>, <64 x i8>* %yptr
    %cmp = icmp ult <64 x i8> %x, %y
    %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
    %res = sub <64 x i8> %max, %y
    store <64 x i8> %res, <64 x i8>* %zptr
    ret void
}

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: _Z9test_charPcS_i_256:
    ; CHECK:       # %bb.0: # %entry
    ; CHECK-NEXT:    movl %edx, %eax
    ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:    xorl %ecx, %ecx
    ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:    vpxor %xmm2, %xmm2, %xmm2
    ; CHECK-NEXT:    .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB8_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %ymm3
    ; CHECK-NEXT:    vpmovsxbw 16(%rdi,%rcx), %ymm4
    ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %ymm5
    ; CHECK-NEXT:    vpmaddwd %ymm3, %ymm5, %ymm3
    ; CHECK-NEXT:    vpadd %ymm1, %ymm3, %ymm1
    ; CHECK-NEXT:    vpmovsxbw 16(%rsi,%rcx), %ymm5
    ; CHECK-NEXT:    vpmaddwd %ymm4, %ymm3, %ymm3
    ; CHECK-NEXT:    vpadd %ymm2, %ymm3, %ymm2
    ; CHECK-NEXT:    addq $32, %rcx
    ; CHECK-NEXT:    cmpq %rcx, %rax
; CHECK-NEXT:  jne .LBB8_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:  vpadd %ymm0, %ymm1, %ymm1
; CHECK-NEXT:  vpadd %ymm0, %ymm2, %ymm0
; CHECK-NEXT:  vpadd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd [{.*#+}] xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd [{.*#+}] xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpaddd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%index.body = add i64 %index, 32
br i1 %index.body, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %%11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %%11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>

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define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: _Z9test_charPcS_i_512:
  ; CHECK:       # %bb.0: # %entry
  ; CHECK-NEXT:    movl %edx, %eax
  ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT:    xorl %ecx, %ecx
  ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1
  ; CHECK-NEXT:    .p2align 4, 0x90
  ; CHECK-NEXT:  .LBB9_1: # %vector.body
  ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
  ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %zmm2
  ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %zmm3
  ; CHECK-NEXT:    vpmaddwd %zmm2, %zmm3, %zmm2
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm2, %zmm1
  ; CHECK-NEXT:    addq $32, %rcx
  ; CHECK-NEXT:    cmpq %rcx, %rax
  ; CHECK-NEXT:    jne .LBB9_1
  ; CHECK-NEXT:  # %bb.2: # %middle.block
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm2, %zmm1
  ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpmaddwd %zmm2, %zmm3, %zmm2
  ; CHECK-NEXT:    vpshufb \{[^*+]\} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vpmaddwd %zmm2, %zmm3, %zmm2
  ; CHECK-NEXT:    vpshufb \{[^*+]\} xmm1 = xmm0[1,1,2,3]
  ; CHECK-NEXT:    vmovd %xmm0, %eax
  ; CHECK-NEXT:    vzeroupper
  ; CHECK-NEXT:    retq
}
entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %0, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> undef, <32 x i32> unde
ret i32 %13
}

@a = global [1024 x i8] zeroinitializer, align 16
@b = global [1024 x i8] zeroinitializer, align 16

define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
    ; CHECK-LABEL: sad_16i8_256:
    ; CHECK:       # %bb.0: # %entry
    ; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:  movq $-1024, %rax # imm = 0xFC00
    ; CHECK-NEXT:  vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:  .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB10_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vmovdqu a+1024(%rax), %xmm2
    ; CHECK-NEXT:    vpsadbw b+1024(%rax), %xmm2, %ymm1
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm2, %ymm1
    ; CHECK-NEXT:  # %bb.2: # %middle.block
    ; CHECK-NEXT:    vpaddd %ymm0, %ymm1, %ymm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
    ; CHECK-NEXT:    vmovd %xmm0, %eax
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
entry:
    br label %vector.body

vector.body:
    %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
    %vec.x = phi i8 <16 x i32> [ zeroinitialize, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%2 = add nsw <16 x i8> %0, %0
%3 = zext <16 x i8> %2
%4 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%5 = bitcast i8* %4 to <16 x i8>*
%6 = add nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, %7
%.8 = sub nsw <16 x i32> zeroinitializer, %.6
%.9 = select <16 x i1> %.7, <16 x i32> %.6, <16 x i32> %.8
%.10 = add nsw <16 x i32> %.9, %vec.phi
%.index.next = add i64 %.index, 4
%.11 = icmp eq i64 %.index.next, 1024
br i1 %.11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [ %.10, %vector.body ]
%.rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%.bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%.rdx.shuf2 = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%.bin.rdx2 = add <16 x i32> %.bin.rdx, %rdx.shuf2
%.rdx.shuf3 = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%.bin.rdx3 = add <16 x i32> %.bin.rdx2, %rdx.shuf3
%.rdx.shuf4 = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%.bin.rdx4 = add <16 x i32> %.bin.rdx3, %rdx.shuf4
%.12 = extractelement <16 x i32> %.bin.rdx4, i32 0
ret i32 %.12

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB11_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm1
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %xmm1
; CHECK-NEXT: vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: .LBB11_1: jne .LBB11_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vextracti64x4 %s1, %zmm0, %ymm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 %s1, %ymm0, %xmm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpsadbw {{.*#+}} %xmm1 = %xmm0[2,3,0,1]
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>*, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
  %8 = sub nsw <16 x i32> zeroinitializer, %6
  %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
  %10 = add nsw <16 x i32> %9, %vec.phi
  %index.next = add i64 %index, 4
  %11 = icmp eq i64 %index.next, 1024
  br i1 %11, label %middle.block, label %vector.body

middle.block:
  %.lcssa = phi <16 x i32> [ %10, %vector.body ]
  %rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
  %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
  %rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
  %rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
  %12 = extractelement <16 x i32> %.bin.rdx4, i32 0
  ret i32 %12
define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" { 
; CHECK-LABEL: sbto16f32_256: 
; CHECK: # %bb.0: 
; CHECK-NEXT: vpmovw2m %ymm0, %k0 
; CHECK-NEXT: kshiftrw $8, %k0, %k1 
; CHECK-NEXT: vpmovm2d %k1, %ymm0 
; CHECK-NEXT: vcvtdq2ps %ymm0, %ymm0 
; CHECK-NEXT: vpmovm2d %k0, %ymm1 
; CHECK-NEXT: vcvtdq2ps %ymm1, %ymm1 
; CHECK-NEXT: vmovaps %ymm1, (%rdi) 
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi) 
; CHECK-NEXT: vzeroupper 
; CHECK-NEXT: retq 

%mask = icmp slt <16 x i16> %a, zeroinitializer 
%1 = sitofp <16 x i1> %mask to <16 x float> 
store <16 x float> %1, <16 x float>* %res 
ret void 
}

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" { 
; CHECK-LABEL: sbto16f32_512: 
; CHECK: # %bb.0: 
; CHECK-NEXT: vpmovw2m %ymm0, %k0 
; CHECK-NEXT: vpmovm2d %k0, %zmm0 
; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0 
; CHECK-NEXT: vmovaps %zmm0, (%rdi) 
; CHECK-NEXT: vzeroupper 
; CHECK-NEXT: retq 

%mask = icmp slt <16 x i16> %a, zeroinitializer 
%1 = sitofp <16 x i1> %mask to <16 x float> 
store <16 x float> %1, <16 x float>* %res 
ret void 
}

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" { 
; CHECK-LABEL: sbto16f64_256: 
; CHECK: # %bb.0: 
; CHECK-NEXT: vpmovw2m %ymm0, %k0 
; CHECK-NEXT: kshiftrw $8, %k0, %k1 
; CHECK-NEXT: vpmovm2d %k1, %ymm0 
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0 
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0 
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0 
; CHECK-NEXT: vpmovm2d %k0, %ymm1 
; CHECK-NEXT: vextracti128 $1, %ymmm0, %xmm1 
; CHECK-NEXT: vcvtdq2pd %xmm1, %ymm1 
; CHECK-NEXT: vpmovm2d %k1, %ymmm0 
; CHECK-NEXT: vextracti128 $1, %ymmm0, %xmm2 
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymmm3 
; CHECK-NEXT: vextracti128 $1, %ymmm2, %xmm2 

}
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="512" {  
; CHECK-LABEL: sbto16f64_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:    vpmovw2m %ymm0, %k0
; CHECK-NEXT:    vpmovm2d %k0, %zmm0
; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm1
; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm0
; CHECK-NEXT:    vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res)  "min-legal-vector-width"="256" {  
; CHECK-LABEL: ubto16f32_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:    vpmovw2m %ymm0, %k0
; CHECK-NEXT:    kshiftrw $8, %k0, %k1
; CHECK-NEXT:    vpmovm2d %k1, %ymm0
; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
; CHECK-NEXT:    vpmovm2d %k0, %ymm1
; CHECK-NEXT:    vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
; CHECK-NEXT:    vpmovm2d %k0, %ymm1
; CHECK-NEXT:    vpsrld $31, %ymm1, %ymm1
; CHECK-NEXT:    vcvtdq2ps %ymm1, %ymm1
; CHECK-NEXT:    vmovaps %ymm1, (%rdi)
; CHECK-NEXT:    vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}
define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f32_512:
; CHECK:
# %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}
define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f64_256:
; CHECK:
# %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vpsrld $31, %ymm2, %ymm2
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}
define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {

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define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {  
; CHECK-LABEL: test_16f32toub_256:  
; CHECK: # %bb.0:  
; CHECK-NEXT: vcvtpps2dq (%rdi), %ymm1  
; CHECK-NEXT: vpslld S31, %ymm1, %ymm1  
; CHECK-NEXT: vpmovd2m %ymm1, %k0  
; CHECK-NEXT: vcvtpps2dq 32(%rdi), %ymm1  
; CHECK-NEXT: vpslld S31, %ymm1, %ymm1  
; CHECK-NEXT: vpmovd2m %ymm1, %k1  
; CHECK-NEXT: kunpckbw %k0, %k1, %k1  
; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] [z]  
; CHECK-NEXT: retq  
%a = load <16 x float>, <16 x float>* %ptr  
%mask = fptoui <16 x float> %a to <16 x i1>  
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer  
ret <16 x i16> %select  
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {  
; CHECK-LABEL: test_16f32toub_512:  
; CHECK: # %bb.0:  
; CHECK-NEXT: vcvtpps2dq (%rdi), %zmm1  
; CHECK-NEXT: vpslld S31, %zmm1, %zmm1  
; CHECK-NEXT: vpmovd2m %zmm1, %k1  
; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] [z]  
; CHECK-NEXT: retq  
%a = load <16 x float>, <16 x float>* %ptr  
%mask = fptoui <16 x float> %a to <16 x i1>
define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32tosb_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k0
    ; CHECK-NEXT:    vcvttps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32tosb_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT:    vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: mul256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpmovdqa (%rsi), %zmm2
    ; CHECK-NEXT:    vpmovdqa 32(%rsi), %zmm3
    ; CHECK-NEXT:    vpunpckhbw {[*#*]} %ymm4 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
    ; CHECK-NEXT:    vpunpckhbw {[*#*]} %ymm5 =
%d = load <64 x i8>, <64 x i8>*, %a
%e = load <64 x i8>, <64 x i8>*, %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>*, %c
ret void
}
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: mul512:
  ; CHECK:      # %bb.0:
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  ; CHECK-NEXT: vmovdqa64 (%rsi), %zmm1
  ; CHECK-NEXT: vpunpckhbw [{.*#+}] zmm2 =
      zmm0[8],zmm0[8],zmm1[9],zmm0[9],zmm1[10],zmm0[10],zmm1[11],zmm0[11],zmm1[12],zmm0[12],zmm1[13],
      zmm0[13],zmm1[14],zmm0[14],zmm1[15],zmm0[15],zmm1[24],zmm0[24],zmm1[25],zmm0[25],zmm1[26],zmm0[26],
      zmm1[27],zmm0[27],zmm1[28],zmm0[28],zmm1[29],zmm0[29],zmm1[30],zmm0[30],zmm1[31],zmm0[31],zmm1[40],
      zmm0[40],zmm1[41],zmm0[41],zmm1[42],zmm0[42],zmm1[43],zmm0[43],zmm1[44],zmm0[44],zmm1[45],
      zmm0[45],zmm1[46],zmm0[46],zmm1[47],zmm0[47],zmm1[56],zmm0[56],zmm1[57],zmm0[57],zmm1[58],zmm0[58],
      zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0[63]
  ; CHECK-NEXT: vpunpckhbw [{.*#+}] zmm3 =
      zmm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
      2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,62,63,63]
  ; CHECK-NEXT: vpmullw %zmm2, %zmm3, %zmm2
  ; CHECK-NEXT: vmovdqa64 [{.*#+}] zmm3 =
  ; CHECK-NEXT: vpand %zmm3, %zmm2, %zmm2
  ; CHECK-NEXT: vpunpcklwb [{.*#+}] zmm1 =
      zmm1[0],zmm0[0],zmm1[1],zmm0[1],zmm1[2],zmm0[2],zmm1[3],zmm0[3],zmm1[4],zmm0[4],zmm1[5],zmm0[5],
      zmm1[6],zmm0[6],zmm1[7],zmm0[7],zmm1[16],zmm0[16],zmm1[17],zmm0[17],zmm1[18],zmm0[18],zmm1[19],
      zmm0[19],zmm1[20],zmm0[20],zmm1[21],zmm0[21],zmm1[22],zmm0[22],zmm1[23],zmm0[23],zmm1[32],zmm0[32],
      zmm1[33],zmm0[33],zmm1[34],zmm0[34],zmm1[35],zmm0[35],zmm1[36],zmm0[36],zmm1[37],zmm0[37],
      zmm1[38],zmm0[38],zmm1[39],zmm0[39],zmm1[48],zmm0[48],zmm1[49],zmm0[49],zmm1[50],zmm0[50],zmm1[51],
      zmm0[51],zmm1[52],zmm0[52],zmm1[53],zmm0[53],zmm1[54],zmm0[54],zmm1[55],zmm0[55]
  ; CHECK-NEXT: vpunpcklwb [{.*#+}] zmm0 =
      zmm0[0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
      6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
  ; CHECK-NEXT: vpmullw %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT: vpand %zmm3, %zmm0, %zmm0
  ; CHECK-NEXT: vpunpckuswb %zmm2, %zmm0, %zmm0
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %d = load <64 x i8>, <64 x i8>* %a
  %e = load <64 x i8>, <64 x i8>* %b
  %f = mul <64 x i8> %d, %e
  store <64 x i8> %f, <64 x i8>* %c
  ret void
}

1.1977 libxv 1.0.10-2.el7
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1.1980 kerberos 1.17-18.el8

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- lib/gss_mechs/mech_krb5/et/kdb5_err.c
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- lib/gss_mechs/mech_spnego/mach/spnego_mech.c
- lib/krb5/kadm5/kadm_host_srv_names.c
- lib/krb5/kdb/kdb_convert.c
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- lib/krb5/kdb/kdb_log.c
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lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
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lib/gssapi/mechglue/g_rel_buffer.c
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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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.

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

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

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

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

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

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

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

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

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

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1.1983 vim 7.4.160 1.el7
1.1983.1 Available under license :
*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

VIM REFERENCE MANUAL by Bram Moolenaar
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 will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes.

   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 mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
- 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.

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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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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. Further more, 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.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html
World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
   Bram@ ICCF-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
   Postbank, account 4548774
   Swift code: INGB NL 2A
   IBAN: NL95 INGB 0004 5487 74
   under the name "stichting ICCF Holland", Lisse
   If that doesn't work:
   Rabobank Lisse, account 3765.05.117
   Swift code: RABO NL 2U
   under the name "Bram Moolenaar", Lisse
   Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruethof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

 vim:tw=78:ts=8:ft=help:norl:
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1.1984 minio-go 7.0.1
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* limitations under the License.
*/

package minio

import (  
    "bytes"  
    "context"  
    "encoding/xml"  
    "fmt"  
    "net/http"  
    "net/url"
)

"github.com/minio/minio-go/v7/pkg/s3utils"

// objectLegalHold - object legal hold specified in
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html
type objectLegalHold struct {  
    XMLNS string  
    XMLName xml.Name  
    Status LegalHoldStatus
}

// PutObjectLegalHoldOptions represents options specified by user for PutObjectLegalHold call
type PutObjectLegalHoldOptions struct {  
    VersionID string  
    Status *LegalHoldStatus
}

// GetObjectLegalHoldOptions represents options specified by user for GetObjectLegalHold call
type GetObjectLegalHoldOptions struct {  
    VersionID string
}

// LegalHoldStatus - object legal hold status.
type LegalHoldStatus string

const (  
    // LegalHoldEnabled indicates legal hold is enabled  
    LegalHoldEnabled LegalHoldStatus = "ON"
)

// LegalHoldDisabled indicates legal hold is disabled
func (r LegalHoldStatus) String() string {
    return string(r)
}

// IsValid - check whether this legal hold status is valid or not.
func (r LegalHoldStatus) IsValid() bool {
    return r == LegalHoldEnabled || r == LegalHoldDisabled
}

func newObjectLegalHold(status *LegalHoldStatus) (*objectLegalHold, error) {
    if status == nil {
        return nil, fmt.Errorf("Status not set")
    }
    if !status.IsValid() {
        return nil, fmt.Errorf("invalid legal hold status `\%v`", status)
    }

    legalHold := &objectLegalHold{
        Status: *status,
    }
    return legalHold, nil
}

// PutObjectLegalHold : sets object legal hold for a given object and versionID.
func (c Client) PutObjectLegalHold(ctx context.Context, bucketName, objectName string, opts PutObjectLegalHoldOptions) error {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return err
    }

    // Get resources properly escaped and lined up before
    // using them in http request.
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")
    if opts.VersionID != "" {
    }

    lh, err := newObjectLegalHold(opts.Status)
    if err != nil {
        return err
    }

    // Build the request URL
    requestURL := fmt.Sprintf("https://%s.s3.amazonaws.com/%s://%s/%s?%s", bucketName, c.UseSSL, bucketName, objectName, urlValues.Encode())

    // Include headers
    headers := map[string][]string{
        "Accept-encoding": []string{
            "gzip, deflate",
        },
    }

    // Make the request
    resp, err := c.HTTPClient().Do(ctx, &http.Request{
        Method: http.MethodPut,
        URL:   requestURL,
        Header: http.Header(headers),
    })
    if err != nil {
        return err
    }
}
return err
}

lhData, err := xml.Marshal(lh)
if err != nil {
    return err
}

reqMetadata := requestMetadata{
    bucketName:       bucketName,
    objectName:       objectName,
    queryValues:      urlValues,
    contentBody:      bytes.NewReader(lhData),
    contentLength:    int64(len(lhData)),
    contentMD5Base64: sumMD5Base64(lhData),
    contentSHA256Hex: sum256Hex(lhData),
}

// Execute PUT Object Legal Hold.
resp, err := c.executeMethod(ctx, "PUT", reqMetadata)
defer closeResponse(resp)
if err != nil {
    return err
}
if resp != nil {
        return httpRespToErrorResponse(resp, bucketName, objectName)
    }
}
return nil

// GetObjectLegalHold gets legal-hold status of given object.
func (c Client) GetObjectLegalHold(ctx context.Context, bucketName, objectName string, opts GetObjectLegalHoldOptions) (status *LegalHoldStatus, err error) {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return nil, err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return nil, err
    }
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")
    if opts.VersionID != "" {
    }
// Execute GET on bucket to list objects.
resp, err := c.executeMethod(ctx, "GET", requestMetadata{
    bucketName:       bucketName,
    objectName:       objectName,
    queryValues:      urlValues,
    contentSHA256Hex: emptySHA256Hex,
})
deffer closeResponse(resp)
if err != nil {
    return nil, err
}
if resp != nil {
    if resp.StatusCode != http.StatusOK {
        return nil, httpRespToErrorResponse(resp, bucketName, objectName)
    }
}
lh := &objectLegalHold{}
if err = xml.NewDecoder(resp.Body).Decode(lh); err != nil {
    return nil, err
}

return &lh.Status, nil

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