Open Source Used In Branch Migration Tool 1.9

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/**
 * A QOP value specifying authentication plus integrity and confidentiality protection.
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* /opt/cola/permits/1174807888_1624022781.84/0/nio-api-3-8-4-final-sources-jar/org/nio/FutureResult.java
* /opt/cola/permits/1174807888_1624022781.84/0/nio-api-3-8-4-final-sources-jar/org/nio/ByteString.java
* /opt/cola/permits/1174807888_1624022781.84/0/nio-api-3-8-4-final-sources-jar/org/nio/OptionMap.java
* /opt/cola/permits/1174807888_1624022781.84/0/nio-api-3-8-4-final-sources-jar/org/nio/Sequence.java
* /opt/cola/permits/1174807888_1624022781.84/0/nio-api-3-8-4-final-sources-
  jar/org/nio/channels/SslChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/nio-api-3-8-4-final-sources-jar/org/nio/ChannelListener.java
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Upstream-Contact: Yann Collet <Cyan4973@github.com>
Source: https://github.com/lz4/lz4

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1.11 wayland 1.16.0-1

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1.12 curl 7.68.0-1ubuntu2.7

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### 1.13 libip4tc0 1.8.2-4

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To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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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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(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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@(#) SRCSSfile: certdata.txt,v $$Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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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 (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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1.29 dpkg 1.19.7

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1.30 wtforms 3.0.0

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Metadata-Version: 2.1
Name: WTForms
Version: 3.0.0
Summary: Form validation and rendering for Python web development.
WTForms
========

WTForms is a flexible forms validation and rendering library for Python web development. It can work with whatever web framework and template engine you choose. It supports data validation, CSRF protection, internationalization (I18N), and more. There are various community libraries that provide closer integration with popular frameworks.

Installation
-------------

Install and update using pip:

.. code-block:: text

    pip install -U WTForms

Third-Party Library Integrations
--------------------------------

WTForms is designed to work with any web framework and template engine. There are a number of community-provided libraries that make integrating with frameworks even better.

- `Flask-WTF` integrates with the Flask framework. It can
automatically load data from the request, uses Flask-Babel to translate based on user-selected locale, provides full-application CSRF, and more.
- `WTForms-Alchemy`_ provides rich support for generating forms from SQLAlchemy models, including an expanded set of fields and validators.
- `WTForms-SQLAlchemy`_ provides ORM-backed fields and form generation from SQLAlchemy models.
- `WTForms-AppEngine`_ provides ORM-backed fields and form generation from AppEnding db/ndb schema
- `WTForms-Django`_ provides ORM-backed fields and form generation from Django models, as well as integration with Django's I18N support.
- `Starlette-WTF`_ integrates with Starlette and the FastAPI framework, based on the features of Flask-WTF.

.. _Flask-WTF: https://flask-wtf.readthedocs.io/
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project_urls =
  Documentation = https://wtforms.readthedocs.io/
  Code = https://github.com/wtforms/wtforms
  Issue Tracker = https://github.com/wtforms/wtforms/issues
license = BSD-3-Clause
license_files = LICENSE.rst
maintainer = WTForms
maintainer_email = davidism@gmail.com
description = Form validation and rendering for Python web development.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/ Stable
  Environment :: Web Environment
  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python
  Topic :: Internet :: WWW/ HTTP :: Dynamic Content

[options]
packages = find:
  package_dir = = src
  include_package_data = true
  python_requires = >= 3.6
  setup_requires = Babel >= 2.6.0
  install_requires = MarkupSafe

[options.packages.find]
where = src

[options.extras_require]
email = email_validator

[extract_messages]
copyright_holder = WTForms Team
input_paths = src/wtforms
output_file = src/wtforms/locale/wtforms.pot

[init_catalog]
input_file = src/wtforms/locale/wtforms.pot
output_dir = src/wtforms/locale/
domain = wtforms

[update_catalog]
input_file = src/wtforms/locale/wtforms.pot
output_dir = src/wtforms/locale/
domain = wtforms
update-header-comment = true
no-fuzzy-matching = true
ignore-obsolete = true

[compile_catalog]
directory = src/wtforms/locale/
domain = wtforms
statistics = true

[tool:pytest]
testpaths = tests
filterwarnings = error

[coverage:run]
branch = true
source = wtforms

[coverage:paths]
source =
.src .tox/*/site-packages

[coverage:report]
exclude_lines =
pragma: no cover
except ImportError:

[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
**/__init__.py: F401, F403

[egg_info]
tag_build =
tag_date = 0

Found in path(s):
* /opt/cola/permits/1225152645_1636365662.86/0/wtforms-3-0-0-tar-gz/WTForms-3.0.0/setup.cfg
No license file was found, but licenses were detected in source scan.

# This file is distributed under the same license as the WTForms project.

Found in path(s):
* /opt/cola/permits/1225152645_1636365662.86/0/wtforms-3-0-0-tar-gz/WTForms-3.0.0/src/wtforms/locale/sv/LC_MESSAGES/wtforms.po
1.31 libunistring 0.9.9 0ubuntu2

1.31.1 Available under license:

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1.33 smallrye-mutiny-vertx-core 2.1.1

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1.40 jbossws-common-tools 1.3.2.Final

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1.41 postgresql-jdbc 9.4.1212

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1.42 jetty-continuation 9.4.43.v20210629

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* 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
org.ow2.asm:asm
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org.apache.taglibs:taglibs-standard-spec
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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
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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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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019
1.48 libepoxy0 1.5.3-0.1

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* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/JnaNativePty.java
* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/win/WindowsAnsiWriter.java
* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java
* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java
* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/osx/CLibrary.java
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* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java
* /opt/cola/permits/1114600364_1607534022.33/0/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/linux/LinuxNativePty.java

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* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/misc.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/job.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/do_command.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/config.h
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* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/env.c
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$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp $

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/manl, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib.

you should check this out.

say:
make all

su and say:

make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for 'replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no `&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

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$Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $

\*/

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* @(#)/bitstring.h5.2 (Berkeley) 4/4/90
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Vixie Cron V3.0
December 27, 1993
[V2.2 was some time in 1992]
[V2.1 was May 29, 1991]
[V2.0 was July 5, 1990]
[V2.0-beta was December 9, 1988]
[V1.0 was May 6, 1987]
Paul Vixie
This is a version of ‘cron’ that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for ‘at’; you can continue to run ‘atrun’ from the crontab as you have been doing. If you don’t have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn’t been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files
Edit config.h
Edit Makefile
(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)
'make'
'su' and 'make install'
(you may have to install the man pages by hand)
kill your existing cron process
(actually you can run your existing cron if you want, but why?)
build new crontabs using /usr/lib/[crontab,crontab.local]
(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)
start up the new cron
(must be done as root)
watch it. test it with 'crontab -r' and watch the daemon track your changes.
if you like it, change your /etc/[rc,rc.local] to use it instead of the old one.

$id: README,v 2.3 1993/12/28 08:34:43 vixie Exp $
1.51 cxf-tools-java2ws 3.3.10
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1.53 bitset 1.1.11

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1.56 netty-xnio-transport 0.1.9.Final

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1.58 libc 2.28-10

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1.59 d-bus 1.12.20-0+deb10u1

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<?xml version="1.0"?
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
  <xsl:param name="version"/>
  <xsl:param name="product.release.name"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz ' />
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ! ' />
  <xsl:template match="/">
    <html>
      <head>
        <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
        <link rel="stylesheet" type="text/css" href="licenses.css"/>
      </head>
      <body>
        
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
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<table>
<thead>
<tr>
<th>Package Group</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>groupId</td>
<td>artifactId</td>
<td>version</td>
<td>licenses/license</td>
<td>$filename</td>
</tr>
</tbody>
</table>

For example:

- <a href="example.html">Name</a>
<xsl:text>.html</xsl:text>
</xsl:when>
<xsl:otherwise>
  <xsl:value-of select="concat(translate($name, $uppercase, $lowercase), '.txt')"/>
</xsl:otherwise>
</xsl:choose>
</xsl:template>
</xsl:stylesheet>

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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keyscloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven
dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you’re adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It’s usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```
```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>

<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
    </license>
  </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:
- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or

```html
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-) 

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)
Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg` folder. For color settings see the `templates/zocial.css` file.

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### The iconic font and CSS framework

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#### Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md). Included are directions for opening issues, coding standards, and notes on development.

### Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

### Author

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- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

### Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```

to the `dependencies` in your `component.json`.

### Hacking on Font Awesome
From the root of the repository, install the tools used to develop.

    $ bundle install
    $ npm install

Build the project and documentation:

    $ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

    $ bundle exec jekyll -w serve

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1.77 et-xmlfile 1.1.0

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Found in path(s):
* /opt/cola/permits/1168735491_1622054728.99/0/et-xmlfile-1-1-0-tar-gz/et_xmlfile-1.1.0/setup.py

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et_xmlfile is a low memory library for creating large XML files.

It is based upon the `xmlfile module from lxml <http://lxml.de/api.html#incremental-xml-generation>`_ with the aim of allowing code to be developed that will work with both libraries. It was developed initially for the openpyxl project but is now a standalone module.

The code was written by Elias Rabel as part of the `Python Düsseldorf <http://pyddf.de>`_ openpyxl sprint in September 2014.

Note on performance

The code was not developed with performance in mind but turned out to be faster than the existing SAX-based implementation but is significantly slower than lxml's xmlfile. There is one area where an optimisation for lxml will negatively affect the performance of et_xmlfile and that is when using the `.element()` method on an xmlfile context manager. It is, therefore, recommended not to use this, though the method is provided for code compatibility.

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable
Classifier: Operating System :: MacOS :: MacOS X
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1.78 curl 7.69.1-r0

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### 1.79 connexion 1.3

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### 1.80 structs 1.1.0

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```makefile
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## 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 
%.o: $(srcdir)/%.c 
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $< 
%.o: $(srcdir)/%.cpp 
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $< 
```

Open Source Used In Branch Migration Tool 1.9 817
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

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

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

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

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
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**procfs** provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

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Version 2.1, February 1999

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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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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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1.94 python-rundeps 20211025.205322

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1.97 wildfly-clustering-singleton-extension

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Version: 0.11.2
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Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- the server, modify `distribution/feature-packs/server-feature-pack/src/main/resources/licenses/rh-sso/license.xml`
- an adapter, modify `distribution/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```
xm
<dependency>
  <groupId>org.sonatype.plexus</groupId>
and non-maven dependencies:

```xml
<other>
<description>jQuery</description>
<locations>
<file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
</locations>
<licenses>
<license>
<name>MIT License</name>
<url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
</license>
</licenses>
</other>
<other>
<description>AngularJS</description>
<locations>
<directory>themes/keycloak/common/resources/lib/angular</directory>
</locations>
<licenses>
<license>
<name>MIT License</name>
<url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
</license>
</licenses>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons
## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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Version 2.0, January 2004

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    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />

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For each dependency, the remote licenses are provided as links to external URLs, and the local licenses are provided as links to files.
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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework
Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy). Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

Get started at http://fontawesome.io!

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## Changelog

- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

##Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

##Author

- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

##Component

To include as a [component](http://github.com/component/component), just run

    $ component install FortAwesome/Font-Awesome

Or add

    "FortAwesome/Font-Awesome": "*

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

    $ bundle install
    $ npm install

Build the project and documentation:

    $ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:
$ bundle exec jekyll -w serve

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val x: ((Int, Int) => Int) = (((a, b)) => a)
^  
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
^  
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
^  
3 errors

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* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
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1.110 idna 13.0.0

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1081991553_1597853373.44/0/javaewah-1-1-7-jar/META-INF/MANIFEST.MF

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      <name>Daniel Lemire</name>
      <email>lemire@gmail.com</email>
      <url>http://lemire.me/en/</url>
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</plugin>

</plugins>

</build>

<name>JavaEWAH</name>
<url>https://github.com/lemire/javaewah</url>
The bit array data structure is implemented in Java as the BitSet class. Unfortunately, this fails to scale without compression.

JavaEWAH is a word-aligned compressed variant of the Java bitset class. It uses a 64-bit run-length encoding (RLE) compression scheme.

The goal of word-aligned compression is not to achieve the best compression, but rather to improve query processing time. Hence, we try to save CPU cycles, maybe at the expense of storage. However, the EWAH scheme we implemented is always more efficient storage-wise than an uncompressed bitmap (implemented in Java as the BitSet class). Unlike some alternatives, javaewah does not rely on a patented scheme.

---

**1.113 wildfly-elytron-mechanism-oauth2**

**1.15.3.Final**

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1.120 kafka-python 1.3.5
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file (certdata.txt). This file can be found in the mozilla source tree:

It contains the certificates in PEM format and therefore
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@(#) SRCfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/PostPolicy.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/errors/InsufficientDataException.java
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* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/CloudFunctionConfiguration.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/S3Key.java

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* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/RegionConflictException.java
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* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/NotificationConfiguration.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/QueueConfiguration.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/TopicConfiguration.java
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* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/messages/DeletedObject.java
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* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/BucketMeta.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/NotificationEvent.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/EventMeta.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/NotificationInfo.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/ObjectMeta.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/BucketEventListener.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/SourceInfo.java
* /opt/cola/permits/1158394663_1619759973.62/0/minio-6-0-0-sources-jar/io/minio/notification/Identity.java

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1.123 openjdk-orb-jdk9-supplement

1.0.3.Final

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* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/compiler/MemberCodeGen.java
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* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/compiler/ast/ASTList.java

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* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/BadBytecode.java
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* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/compiler/KeywordTable.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/compiler/ast/InstanceOfExpr.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/analysis/Util.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/tools/reflect/Loader.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/util/HotSwapper.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/analysis/Analyzer.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/tools/reflect/CannotCreateException.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/exceptions/NotFoundException.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/CtNewConstructor.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/StackMapTable.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/StackMapTable.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/StackMapTable.java
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* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/StackMapTable.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-jar/javassist/bytecode/annotation/NoSuchClassError.java
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* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1136416216_1613765029.38/0/javassist-3-23-2-ga-sources-2-
  jar/javassist/bytecode/annotation/BooleanMemberValue.java

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1.128 sysv-init 2.93-8

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1.130 ncurses 6.2-0ubuntu2

1.130.1 Available under license :

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<td>clang-tidy</td>
<td>clang-tidy/hicpp</td>
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1.138 json-c 0.12.1+ds-2+deb10u1

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1.140 nettle 2.7.1-5+deb8u2

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AES in libhcrypto

Optimised ANSI C code for the Rijndael cipher (now AES)

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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1.148 setuptools-rust 0.12.1

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1.150 psycopg2-binary 2.8.4

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1.151 testfixtures 6.18.3
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1.153 nghttp2 1.30.0-1ubuntu1

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
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1.154 match 1.0.1

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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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Richard Outerbridge

DES core in libhcrypto

D3DES (V5.09) -

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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lib/hcrypto/test_dh.c

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1.161 wildfly-clustering-api 23.0.2.Final

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1.162 jackson-datatype-jdk8 2.10.5
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Manifest-Version: 1.0
Bnd-LastModified: 1595301005506
Build-Jdk: 1.8.0_162
Built-By: tatu
Bundle-Description: Add-on module for Jackson (http://jackson.codehaus.org) to support JDK 8 data types.
Bundle-DocURL: https://github.com/FasterXML/jackson-modules-java8/jackson-datatype-jdk8
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jackson datatype: jdk8
Bundle-SymbolicName: com.fasterxml.jackson.datatype.jackson-datatype-jdk8
Bundle-Vendor: FasterXML
Bundle-Version: 2.10.5
Created-By: Apache Maven Bundle Plugin
Implementation-Build-Date: 2020-07-21 03:09:44+0000
Implementation-Title: Jackson datatype: jdk8
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.datatype
Implementation-Version: 2.10.5
1.163 cracklib 2.9.6-2

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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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   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 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

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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!

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

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.

-- Nathan

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

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
On Monday 01 October 2007, Neulinger, Nathan wrote:
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directly
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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
GPL-2 ... it was a modified artistic license ... i didn't notice the
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change until it was mentioned in the latest notes.

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 you 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 you all come up with is fine
by me.

I am sympathetic. Guys, what do you reckon?

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

-a
Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...

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

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

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

Cheers,

Nalin
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > > Seems like the ideal thing here would be for you and the other distro
> > > > maintainers to get together with Alec in a conversation and come to a
> > > > decision as to what licensing scheme y'all want. I haven't really done
> > > > much other than cleaning up the packaging and patches and a small
> > > > bit of
> > > > additional code, so whatever licensing y'all come up with is fine
> > > > by me.
> > >
> > > I am sympathetic. Guys, what do you reckon?
> >>
> > > What I am hearing so far is that LGPL makes sense, since it can be
> > > linked with any code, not just GPL....
> >
> > My apologies for not chiming in in anything resembling a reasonable
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> >
> > I'd also suggest the LGPL, for the reason you noted above. Alternately,
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> > GPL would permit applications which were released under version 3 of the
> > GPL to use the library, too, which would be sufficient for the packages
> > which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> >
> > In any case, I thank you both for working on sorting this out.

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

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now?

yes, go for it. thanks++

-a
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
> >
> > yes. go for it. thanks++

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

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

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

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

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

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTPT id l91Gxtp020623
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 smtp (Exim 4.50)
id 11c OcX-0004Qf-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

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

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

Happy now? :-)

-a
1.164 json-iterator-go 1.1.10
1.164.1 Available under license :
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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  
  Test::More: 0.49  
  generated_by: 'Module::Build version 0.3608'  
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  version: 1.4  
name: Module-Build  
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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;
}

1.168 jipijapa-eclipselink 23.0.2.Final

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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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1.173 cxf-rt-ws-security 3.3.10

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1.182 jakarta-json-bind-api 1.0.2

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=pod

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JSON::PP56 - Helper module in using JSON::PP in Perl 5.6

=head1 DESCRIPTION

JSON::PP calls internally.

=head1 AUTHOR

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=cut

Found in path(s):
* /opt/cola/permits/1141297322_1614968490.78/0/libjson-perl-4-02000-orig-1-tar-gz/JSON-4.02/lib/JSON/backportPP/Compat5006.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

JSON - JSON (JavaScript Object Notation) encoder/decoder

=head1 SYNOPSIS
use JSON; # imports encode_json, decode_json, to_json and from_json.

# simple and fast interfaces (expect/generate UTF-8)

$utf8_encoded_json_text = encode_json $perl_hash_or_arrayref;
$perl_hash_or_arrayref  = decode_json $utf8_encoded_json_text;

# OO-interface

$json = JSON->new->allow_nonref;

$json_text   = $json->encode( $perl_scalar );
$perl_scalar = $json->decode( $json_text );

$pretty_printed = $json->pretty->encode( $perl_scalar ); # pretty-printing

=head1 VERSION

4.02

=head1 DESCRIPTION

This module is a thin wrapper for L<JSON::XS>-compatible modules with a few additional features. All the backend modules convert a Perl data structure to a JSON text and vice versa. This module uses L<JSON::XS> by default, and when JSON::XS is not available, falls back on L<JSON::PP>, which is in the Perl core since 5.14. If JSON::PP is not available either, this module then falls back on JSON::backportPP (which is actually JSON::PP in a different .pm file) bundled in the same distribution as this module.

You can also explicitly specify to use L<Cpanel::JSON::XS>, a fork of JSON::XS by Reini Urban.

All these backend modules have slight incompatibilities between them, including extra features that other modules don't support, but as long as you use only common features (most important ones are described below), migration from backend to backend should be reasonably easy. For details, see each backend module you use.

=head1 CHOOSING BACKEND

This module respects an environmental variable called C<PERL_JSON_BACKEND> when it decides a backend module to use. If this environmental variable is not set, it tries to load JSON::XS, and if JSON::XS is not available, it falls back on JSON::PP, and then JSON::backportPP if JSON::PP is not available either.

If you always don't want it to fall back on pure perl modules, set the variable like this (C<export> may be C<setenv>, C<set> and the likes,
depending on your environment):

> export PERL_JSON_BACKEND=JSON::XS

If you prefer Cpanel::JSON::XS to JSON::XS, then:

> export PERL_JSON_BACKEND=Cpanel::JSON::XS,JSON::XS,JSON::PP

You may also want to set this variable at the top of your test files, in order
not to be bothered with incompatibilities between backends (you need to wrap
this in C<BEGIN>, and set before actually C<use>-ing JSON module, as it decides
its backend as soon as it's loaded):

BEGIN { $ENV{PERL_JSON_BACKEND}='JSON::backportPP'; }
use JSON;

=head1 USING OPTIONAL FEATURES

There are a few options you can set when you C<use> this module.
These historical options are only kept for backward compatibility,
and should not be used in a new application.

=over

=item -support_by_pp

BEGIN { $ENV{PERL_JSON_BACKEND} = 'JSON::XS' }
use JSON -support_by_pp;

my $json = JSON->new;
# escape_slash is for JSON::PP only.
$json->allow_nonref->escape_slash->encode("/");

With this option, this module loads its pure perl backend along with
its XS backend (if available), and lets the XS backend to watch if you set
a flag only JSON::PP supports. When you do, the internal JSON::XS object
is replaced with a newly created JSON::PP object with the setting copied
from the XS object, so that you can use JSON::PP flags (and its slower
C<decode>/C<encode> methods) from then on. In other words, this is not
something that allows you to hook JSON::XS to change its behavior while
keeping its speed. JSON::XS and JSON::PP objects are quite different
(JSON::XS object is a blessed scalar reference, while JSON::PP object is
a blessed hash reference), and can't share their internals.

To avoid needless overhead (by copying settings), you are advised not
to use this option and just to use JSON::PP explicitly when you need
JSON::PP features.
use JSON -convert_blessed_universally;

my $json = JSON->new->allow_nonref->convert_blessed;
my $object = bless {foo => 'bar'}, 'Foo';
$json->encode($object); # => {"foo":"bar"}

JSON::XS-compatible backend modules don't encode blessed objects by default (except for their boolean values, which are typically blessed JSON::PP::Boolean objects). If you need to encode a data structure that may contain objects, you usually need to look into the structure and replace objects with alternative non-blessed values, or enable C<convert_blessed> and provide a C<TO_JSON> method for each object's (base) class that may be found in the structure, in order to let the methods replace the objects with whatever scalar values the methods return.

If you need to serialise data structures that may contain arbitrary objects, it's probably better to use other serialisers (such as L<Sereal> or L<Storable> for example), but if you do want to use this module for that purpose, C<convert_blessed_universally> option may help, which tweaks C<encode> method of the backend to install C<UNIVERSAL::TO_JSON> method (locally) before encoding, so that all the objects that don't have their own C<TO_JSON> method can fall back on the method in the C<UNIVERSAL> namespace. Note that you still need to enable C<convert_blessed> flag to actually encode objects in a data structure, and C<UNIVERSAL::TO_JSON> method installed by this option only converts blessed hash/array references into their unblessed clone (including private keys/values that are not supposed to be exposed). Other blessed references will be converted into null.

This feature is experimental and may be removed in the future.

When you don't want to import functional interfaces from a module, you usually supply C<()> to its C<use> statement.

use JSON (); # no functional interfaces

If you don't want to import functional interfaces, but you also want to use any of the above options, add C<-no_export> to the option list.

# no functional interfaces, while JSON::PP support is enabled.
use JSON -support_by_pp, -no_export;
FUNCTIONAL INTERFACE

This section is taken from JSON::XS. C<encode_json> and C<decode_json>
are exported by default.

This module also exports C<to_json> and C<from_json> for backward
compatibility. These are slower, and may expect/generate different stuff
from what C<encode_json> and C<decode_json> do, depending on their
options. It's better just to use Object-Oriented interfaces than using
these two functions.

=head2 encode_json

    $json_text = encode_json $perl_scalar

Converts the given Perl data structure to a UTF-8 encoded, binary string
(that is, the string contains octets only). Croaks on error.

This function call is functionally identical to:

    $json_text = JSON->new->utf8->encode($perl_scalar)

Except being faster.

=head2 decode_json

    $perl_scalar = decode_json $json_text

The opposite of C<encode_json>: expects an UTF-8 (binary) string and tries
to parse that as an UTF-8 encoded JSON text, returning the resulting
reference. Croaks on error.

This function call is functionally identical to:

    $perl_scalar = JSON->new->utf8->decode($json_text)

Except being faster.

=head2 to_json

    $json_text = to_json($perl_scalar[, $optional_hashref])

Converts the given Perl data structure to a Unicode string by default.
Croaks on error.
Basically, this function call is functionally identical to:

```
$json_text = JSON->new->encode($perl_scalar)
```

Except being slower.

You can pass an optional hash reference to modify its behavior, but that may change what `to_json` expects/generates (see `ENCODING/ CODESET FLAG NOTES` for details).

```
$json_text = to_json($perl_scalar, {utf8 => 1, pretty => 1})
# => JSON->new->utf8(1)->pretty(1)->encode($perl_scalar)
```

=head2 from_json

```
$perl_scalar = from_json($json_text[, $optional_hashref])
```

The opposite of `to_json`: expects a Unicode string and tries to parse it, returning the resulting reference. Croaks on error.

Basically, this function call is functionally identical to:

```
$perl_scalar = JSON->new->decode($json_text)
```

You can pass an optional hash reference to modify its behavior, but that may change what `from_json` expects/generates (see `ENCODING/ CODESET FLAG NOTES` for details).

```
$perl_scalar = from_json($json_text, [utf8 => 1])
# => JSON->new->utf8(1)->decode($json_text)
```

=head2 JSON::is_bool

```
$is_boolean = JSON::is_bool($scalar)
```

Returns true if the passed scalar represents either JSON::true or JSON::false, two constants that act like `1` and `0` respectively and are also used to represent JSON `true` and `false` in Perl strings.

See `MAPPING`, below, for more information on how JSON values are mapped to Perl.

=head1 COMMON OBJECT-ORIENTED INTERFACE

This section is also taken from JSON::XS.

The object oriented interface lets you configure your own encoding or decoding style, within the limits of supported formats.
$json = JSON->new

Creates a new JSON::XS-compatible backend object that can be used to de/encode JSON strings. All boolean flags described below are by default I<disabled> (with the exception of C<allow_nonref>, which defaults to I<enabled> since version C<4.0>).

The mutators for flags all return the backend object again and thus calls can be chained:

my $json = JSON->new->utf8->space_after->encode({a => [1,2]})
=> {"a": [1, 2]}

$json = $json->ascii([$enable])
$enabled = $json->get_ascii

If C<$enable> is true (or missing), then the C<encode> method will not generate characters outside the code range C<0..127> (which is ASCII). Any Unicode characters outside that range will be escaped using either a single \uXXXX (BMP characters) or a double \uHHHH\uLLLL escape sequence, as per RFC4627. The resulting encoded JSON text can be treated as a native Unicode string, an ascii-encoded, latin1-encoded or UTF-8 encoded string, or any other superset of ASCII.

If C<$enable> is false, then the C<encode> method will not escape Unicode characters unless required by the JSON syntax or other flags. This results in a faster and more compact format.

See also the section I<ENCODING/CODESET FLAG NOTES> later in this document.

The main use for this flag is to produce JSON texts that can be transmitted over a 7-bit channel, as the encoded JSON texts will not contain any 8 bit characters.

JSON->new->ascii(1)->encode([chr 0x10401])
=> ["\ud801\udc01"]

$json = $json->latin1([$enable])
$enabled = $json->get_latin1
If C<$enable> is true (or missing), then the C<encode> method will encode the resulting JSON text as latin1 (or iso-8859-1), escaping any characters outside the code range C<0..255>. The resulting string can be treated as a latin1-encoded JSON text or a native Unicode string. The C<decode> method will not be affected in any way by this flag, as C<decode> by default expects Unicode, which is a strict superset of latin1.

If C<$enable> is false, then the C<encode> method will not escape Unicode characters unless required by the JSON syntax or other flags.

See also the section I<ENCODING/CODESET FLAG NOTES> later in this document.

The main use for this flag is efficiently encoding binary data as JSON text, as most octets will not be escaped, resulting in a smaller encoded size. The disadvantage is that the resulting JSON text is encoded in latin1 (and must correctly be treated as such when storing and transferring), a rare encoding for JSON. It is therefore most useful when you want to store data structures known to contain binary data efficiently in files or databases, not when talking to other JSON encoders/decoders.

```perl
use Encode;

$enable = 1;

$json = JSON->new->latin1->encode ("\x{89}\x{abc}");
$json = $json->utf8($enable);

$enabled = $json->get_utf8;
```

Example, output UTF-16BE-encoded JSON:

```perl
use Encode;

$json = JSON->new->utf8->encode ("\x{89}\x{abc}");
$json = $json->utf8();

$enabled = $json->get_utf8;
```

If C<$enable> is true (or missing), then the C<encode> method will encode the JSON result into UTF-8, as required by many protocols, while the C<decode> method expects to be handled an UTF-8-encoded string. Please note that UTF-8-encoded strings do not contain any characters outside the range C<0..255>, they are thus useful for bytewise/binary I/O. In future versions, enabling this option might enable autodetection of the UTF-16 and UTF-32 encoding families, as described in RFC4627.

If C<$enable> is false, then the C<encode> method will return the JSON string as a (non-encoded) Unicode string, while C<decode> expects thus a Unicode string. Any decoding or encoding (e.g. to UTF-8 or UTF-16) needs to be done yourself, e.g. using the Encode module.

See also the section I<ENCODING/CODESET FLAG NOTES> later in this document.
$jsoncontext = encode "UTF-16BE", JSON->new->encode ($object);

Example, decode UTF-32LE-encoded JSON:

use Encode;
$object = JSON->new->decode (decode "UTF-32LE", $jsoncontext);

=head2 pretty

$json = $json->pretty([$enable])

This enables (or disables) all of the C<indent>, C<space_before> and C<space_after> (and in the future possibly more) flags in one call to generate the most readable (or most compact) form possible.

=head2 indent

$json = $json->indent([$enable])

$enabled = $json->get_indent

If C<$enable> is true (or missing), then the C<encode> method will use a multiline format as output, putting every array member or object/hash key-value pair into its own line, indenting them properly.

If C<$enable> is false, no newlines or indenting will be produced, and the resulting JSON text is guaranteed not to contain any C<newlines>.

This setting has no effect when decoding JSON texts.

=head2 space_before

$json = $json->space_before([$enable])

$enabled = $json->get_space_before

If C<$enable> is true (or missing), then the C<encode> method will add an extra optional space before the C<:> separating keys from values in JSON objects.

If C<$enable> is false, then the C<encode> method will not add any extra space at those places.

This setting has no effect when decoding JSON texts. You will also most likely combine this setting with C<space_after>.

Example, space_before enabled, space_after and indent disabled:

{"key":"value"}
=head2 space_after

$json = $json->space_after([$enable])

$enabled = $json->get_space_after

If C<$enable> is true (or missing), then the C<encode> method will add an extra optional space after the C:<> separating keys from values in JSON objects and extra whitespace after the C:<,> separating key-value pairs and array members.

If C<$enable> is false, then the C<encode> method will not add any extra space at those places.

This setting has no effect when decoding JSON texts.

Example, space_before and indent disabled, space_after enabled:

{"key": "value"}

=head2 relaxed

$json = $json->relaxed([$enable])

$enabled = $json->get_relaxed

If C<$enable> is true (or missing), then C<decode> will accept some extensions to normal JSON syntax (see below). C<encode> will not be affected in any way. I<Be aware that this option makes you accept invalid JSON texts as if they were valid!>. I suggest only to use this option to parse application-specific files written by humans (configuration files, resource files etc.)

If C<$enable> is false (the default), then C<decode> will only accept valid JSON texts.

Currently accepted extensions are:

=over 4

=item * list items can have an end-comma

JSON I<separates> array elements and key-value pairs with commas. This can be annoying if you write JSON texts manually and want to be able to quickly append elements, so this extension accepts comma at the end of such items not just between them:
[1,
  2, <- this comma not normally allowed
]
{
  "k1": "v1",
  "k2": "v2", <- this comma not normally allowed
}

=item * shell-style '#'-comments

Whenever JSON allows whitespace, shell-style comments are additionally allowed. They are terminated by the first carriage-return or line-feed character, after which more white-space and comments are allowed.

[1, # this comment not allowed in JSON
  # neither this one...
]

=back

=head2 canonical

$json = $json->canonical([$enable])

$enabled = $json->get_canonical

If C<$enable> is true (or missing), then the C<encode> method will output JSON objects by sorting their keys. This is adding a comparatively high overhead.

If C<$enable> is false, then the C<encode> method will output key-value pairs in the order Perl stores them (which will likely change between runs of the same script, and can change even within the same run from 5.18 onwards).

This option is useful if you want the same data structure to be encoded as the same JSON text (given the same overall settings). If it is disabled, the same hash might be encoded differently even if contains the same data, as key-value pairs have no inherent ordering in Perl.

This setting has no effect when decoding JSON texts.

This setting has currently no effect on tied hashes.

=head2 allow_nonref

$json = $json->allow_nonref([$enable])
$enabled = $json->get_allow_nonref

Unlike other boolean options, this option is enabled by default beginning with version C<4.0>.

If C<$enable> is true (or missing), then the C<encode> method can convert a non-reference into its corresponding string, number or null JSON value, which is an extension to RFC4627. Likewise, C<decode> will accept those JSON values instead of croaking.

If C<$enable> is false, then the C<encode> method will croak if it isn't passed an arrayref or hashref, as JSON texts must either be an object or array. Likewise, C<decode> will croak if given something that is not a JSON object or array.

Example, encode a Perl scalar as JSON value with enabled C<allow_nonref>, resulting in an invalid JSON text:

```perl
JSON->new->allow_nonref->encode ("Hello, World!")
=> "Hello, World!"
```

=head2 allow_unknown

$json = $json->allow_unknown ([C<$enable>])

$enabled = $json->get_allow_unknown

If C<$enable> is true (or missing), then C<encode> will not throw an exception when it encounters values it cannot represent in JSON (for example, filehandles) but instead will encode a JSON C<null> value. Note that blessed objects are not included here and are handled separately by C<allow_blessed>.

If C<$enable> is false (the default), then C<encode> will throw an exception when it encounters anything it cannot encode as JSON.

This option does not affect C<decode> in any way, and it is recommended to leave it off unless you know your communications partner.

=head2 allow_blessed

$json = $json->allow_blessed([C<$enable>])

$enabled = $json->get_allow_blessed

See L<OBJECT SERIALISATION> for details.
If C<$enable> is true (or missing), then the C<encode> method will not barf when it encounters a blessed reference that it cannot convert otherwise. Instead, a JSON C<null> value is encoded instead of the object.

If C<$enable> is false (the default), then C<encode> will throw an exception when it encounters a blessed object that it cannot convert otherwise.

This setting has no effect on C<decode>.

=head2 convert_blessed

$json = $json->convert_blessed([$enable])

$enabled = $json->get_convert_blessed

See L<OBJECT SERIALISATION> for details.

If C<$enable> is true (or missing), then C<encode>, upon encountering a blessed object, will check for the availability of the C<TO_JSON> method on the object's class. If found, it will be called in scalar context and the resulting scalar will be encoded instead of the object.

The C<TO_JSON> method may safely call die if it wants. If C<TO_JSON> returns other blessed objects, those will be handled in the same way. C<TO_JSON> must take care of not causing an endless recursion cycle (== crash) in this case. The name of C<TO_JSON> was chosen because other methods called by the Perl core (== not by the user of the object) are usually in upper case letters and to avoid collisions with any C<to_json> function or method.

If C<$enable> is false (the default), then C<encode> will not consider this type of conversion.

This setting has no effect on C<decode>.

=head2 allow_tags (since version 3.0)

$json = $json->allow_tags([$enable])

$enabled = $json->get_allow_tags

See L<OBJECT SERIALISATION> for details.

If C<$enable> is true (or missing), then C<encode>, upon encountering a blessed object, will check for the availability of the C<FREEZE> method on the object's class. If found, it will be used to serialise the object into a nonstandard tagged JSON value (that JSON decoders cannot decode).
It also causes \texttt{C<decode>} to parse such tagged JSON values and deserialize them via a call to the \texttt{C<THAW>} method.

If \texttt{C<enable>} is false (the default), then \texttt{C<encode>} will not consider this type of conversion, and tagged JSON values will cause a parse error in \texttt{C<decode>}, as if tags were not part of the grammar.

\begin{verbatim}
=head2 boolean_values (since version 4.0)

$json->boolean_values([$false, $true])
($false, $true) = $json->get_boolean_values

By default, JSON booleans will be decoded as overloaded \texttt{C<$JSON::false>} and \texttt{C<$JSON::true>} objects.

With this method you can specify your own boolean values for decoding - on decode, JSON \texttt{C<$false>} will be decoded as a copy of \texttt{C<$false>}, and JSON \texttt{C<$true>} will be decoded as \texttt{C<$true>} ("copy" here is the same thing as assigning a value to another variable, i.e. \texttt{C<$copy = $false>}).

This is useful when you want to pass a decoded data structure directly to other serialisers like YAML, Data::MessagePack and so on.

Note that this works only when you \texttt{C<decode>}. You can set incompatible boolean objects (like \texttt{L<boolean>}), but when you \texttt{C<encode>} a data structure with such boolean objects, you still need to enable \texttt{C<convert_blessed>} (and add a \texttt{C<TO_JSON>} method if necessary).

Calling this method without any arguments will reset the booleans to their default values.

\texttt{C<get_boolean_values>} will return both \texttt{C<$false>} and \texttt{C<$true>} values, or the empty list when they are set to the default.

=head2 filter_json_object

\texttt{$json = $json->filter_json_object([$coderef])}

When \texttt{C<$coderef>} is specified, it will be called from \texttt{C<decode>} each time it decodes a JSON object. The only argument is a reference to the newly-created hash. If the code references returns a single scalar (which need not be a reference), this value (or rather a copy of it) is inserted into the deserialised data structure. If it returns an empty list (NOTE: I<not> \texttt{C<undef>}, which is a valid scalar), the original deserialized hash will be inserted. This setting can slow down decoding considerably.

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When C<$coderef> is omitted or undefined, any existing callback will
be removed and C<decode> will not change the deserialised hash in any
way.
Example, convert all JSON objects into the integer 5:
my $js = JSON->new->filter_json_object(sub { 5 });
# returns [5]
$js->decode('[{}]');
# returns 5
$js->decode('{"a":1, "b":2}');
=head2 filter_json_single_key_object
$json = $json->filter_json_single_key_object($key [=> $coderef])
Works remotely similar to C<filter_json_object>, but is only called for
JSON objects having a single key named C<$key>.
This C<$coderef> is called before the one specified via
C<filter_json_object>, if any. It gets passed the single value in the JSON
object. If it returns a single value, it will be inserted into the data
structure. If it returns nothing (not even C<undef> but the empty list),
the callback from C<filter_json_object> will be called next, as if no
single-key callback were specified.
If C<$coderef> is omitted or undefined, the corresponding callback will be
disabled. There can only ever be one callback for a given key.
As this callback gets called less often then the C<filter_json_object>
one, decoding speed will not usually suffer as much. Therefore, single-key
objects make excellent targets to serialise Perl objects into, especially
as single-key JSON objects are as close to the type-tagged value concept
as JSON gets (it's basically an ID/VALUE tuple). Of course, JSON does not
support this in any way, so you need to make sure your data never looks
like a serialised Perl hash.
Typical names for the single object key are C<__class_whatever__>, or
C<$__dollars_are_rarely_used__$> or C<}ugly_brace_placement>, or even
things like C<__class_md5sum(classname)__>, to reduce the risk of clashing
with real hashes.
Example, decode JSON objects of the form C<< { "__widget__" => <id> } >>
into the corresponding C<< $WIDGET{<id>} >> object:
# return whatever is in $WIDGET{5}:
JSON

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->new
->filter_json_single_key_object (__widget__ => sub {
    $WIDGET{ $_[0] }
})
->decode ('"__widget__": 5')

# this can be used with a TO_JSON method in some "widget" class
# for serialisation to json:
sub WidgetBase::TO_JSON {
    my ($self) = @_;

    unless ($self->{id}) {
        $self->{id} = ..get..some..id..;
        $WIDGET{$self->{id}} = $self;
    }

    { __widget__ => $self->{id} }
}

=head2 max_depth

$json = $json->max_depth($maximum_nesting_depth)

$max_depth = $json->get_max_depth

Sets the maximum nesting level (default C<512>) accepted while encoding or decoding. If a higher nesting level is detected in JSON text or a Perl data structure, then the encoder and decoder will stop and croak at that point.

Nesting level is defined by number of hash- or arrayrefs that the encoder needs to traverse to reach a given point or the number of C<{}> or C<[]> characters without their matching closing parenthesis crossed to reach a given character in a string.

Setting the maximum depth to one disallows any nesting, so that ensures that the object is only a single hash/object or array.

If no argument is given, the highest possible setting will be used, which is rarely useful.

See L<JSON::XS/SECURITY CONSIDERATIONS> for more info on why this is useful.

=head2 max_size

$json = $json->max_size($maximum_string_size)

$max_size = $json->get_max_size
Set the maximum length a JSON text may have (in bytes) where decoding is being attempted. The default is C<0>, meaning no limit. When C<decode> is called on a string that is longer then this many bytes, it will not attempt to decode the string but throw an exception. This setting has no effect on C<encode> (yet).

If no argument is given, the limit check will be deactivated (same as when C<0> is specified).

See L<JSON::XS/SECURITY CONSIDERATIONS> for more info on why this is useful.

=head2 encode

$json_text = $json->encode($perl_scalar)

Converts the given Perl value or data structure to its JSON representation. Croaks on error.

=head2 decode

/perl_scalar = $json->decode($json_text)

The opposite of C<encode>: expects a JSON text and tries to parse it, returning the resulting simple scalar or reference. Croaks on error.

=head2 decode_prefix

($perl_scalar, $characters) = $json->decode_prefix($json_text)

This works like the C<decode> method, but instead of raising an exception when there is trailing garbage after the first JSON object, it will silently stop parsing there and return the number of characters consumed so far.

This is useful if your JSON texts are not delimited by an outer protocol and you need to know where the JSON text ends.

JSON->new->decode_prefix ("[1] the tail")
=> ([1], 3)

=head1 ADDITIONAL METHODS

The following methods are for this module only.

=head2 backend

$backend = $json->backend
Since 2.92, C<backend> method returns an abstract backend module used currently, which should be JSON::Backend::XS (which inherits JSON::XS or Cpanel::JSON::XS), or JSON::Backend::PP (which inherits JSON::PP), not to monkey-patch the actual backend module globally.

If you need to know what is used actually, use C<isa>, instead of string comparison.

=head2 is_xs

$boolean = $json->is_xs

Returns true if the backend inherits JSON::XS or Cpanel::JSON::XS.

=head2 is_pp

$boolean = $json->is_pp

Returns true if the backend inherits JSON::PP.

=head2 property

$settings = $json->property()

Returns a reference to a hash that holds all the common flag settings.

$json = $json->property('utf8' => 1)
$value = $json->property('utf8') # 1

You can use this to get/set a value of a particular flag.

=head2 boolean

$boolean_object = JSON->boolean($scalar)

Returns $JSON::true if $scalar contains a true value, $JSON::false otherwise. You can use this as a full-qualified function (C<JSON::boolean($scalar)>).

=head1 INCREMENTAL PARSING

This section is also taken from JSON::XS.

In some cases, there is the need for incremental parsing of JSON texts. While this module always has to keep both JSON text and resulting Perl data structure in memory at one time, it does allow you to parse a JSON stream incrementally. It does so by accumulating text until it has a full JSON object, which it then can decode. This process is similar to using C<decode_prefix> to see if a full JSON object is available, but
is much more efficient (and can be implemented with a minimum of method
calls).

This module will only attempt to parse the JSON text once it is sure it
has enough text to get a decisive result, using a very simple but
truly incremental parser. This means that it sometimes won't stop as
early as the full parser, for example, it doesn't detect mismatched
parentheses. The only thing it guarantees is that it starts decoding as
soon as a syntactically valid JSON text has been seen. This means you need
to set resource limits (e.g. C<max_size>) to ensure the parser will stop
parsing in the presence if syntax errors.

The following methods implement this incremental parser.

=head2 incr_parse

$json->incr_parse( [String] ) # void context

$obj_or_undef = $json->incr_parse( [String] ) # scalar context

@obj_or_empty = $json->incr_parse( [String] ) # list context

This is the central parsing function. It can both append new text and
extract objects from the stream accumulated so far (both of these
functions are optional).

If C<String> is given, then this string is appended to the already
existing JSON fragment stored in the C<json> object.

After that, if the function is called in void context, it will simply
return without doing anything further. This can be used to add more text
in as many chunks as you want.

If the method is called in scalar context, then it will try to extract
exactly one JSON object. If that is successful, it will return this
object, otherwise it will return C<undef>. If there is a parse error,
this method will croak just as C<decode> would do (one can then use
C<incr_skip> to skip the erroneous part). This is the most common way of
using the method.

And finally, in list context, it will try to extract as many objects
from the stream as it can find and return them, or the empty list
otherwise. For this to work, there must be no separators (other than
whitespace) between the JSON objects or arrays, instead they must be
concatenated back-to-back. If an error occurs, an exception will be
raised as in the scalar context case. Note that in this case, any
previously-parsed JSON texts will be lost.
Example: Parse some JSON arrays/objects in a given string and return them.

```
my @objs = JSON->new->incr_parse("[5][7][1,2]");
```

=head2 incr_text

```
$lvalue_string = $json->incr_text
```

This method returns the currently stored JSON fragment as an lvalue, that is, you can manipulate it. This works when a preceding call to `incr_parse` in scalar context successfully returned an object. Under all other circumstances you must not call this function (I mean it. although in simple tests it might actually work, it fail under real world conditions). As a special exception, you can also call this method before having parsed anything.

That means you can only use this function to look at or manipulate text before or after complete JSON objects, not while the parser is in the middle of parsing a JSON object.

This function is useful in two cases: a) finding the trailing text after a JSON object or b) parsing multiple JSON objects separated by non-JSON text (such as commas).

=head2 incr_skip

```
$json->incr_skip
```

This will reset the state of the incremental parser and will remove the parsed text from the input buffer so far. This is useful after `incr_parse` died, in which case the input buffer and incremental parser state is left unchanged, to skip the text parsed so far and to reset the parse state.

The difference to `incr_reset` is that only text until the parse error occurred is removed.

=head2 incr_reset

```
$json->incr_reset
```

This completely resets the incremental parser, that is, after this call, it will be as if the parser had never parsed anything.

This is useful if you want to repeatedly parse JSON objects and want to ignore any trailing data, which means you have to reset the parser after each successful decode.
Most of this section is also taken from JSON::XS.

This section describes how the backend modules map Perl values to JSON values and vice versa. These mappings are designed to "do the right thing" in most circumstances automatically, preserving round-tripping characteristics (what you put in comes out as something equivalent).

For the more enlightened: note that in the following descriptions, lowercase I<perl> refers to the Perl interpreter, while uppercase I<Perl> refers to the abstract Perl language itself.

=over 4

=item object

A JSON object becomes a reference to a hash in Perl. No ordering of object keys is preserved (JSON does not preserve object key ordering itself).

=item array

A JSON array becomes a reference to an array in Perl.

=item string

A JSON string becomes a string scalar in Perl - Unicode codepoints in JSON are represented by the same codepoints in the Perl string, so no manual decoding is necessary.

=item number

A JSON number becomes either an integer, numeric (floating point) or string scalar in perl, depending on its range and any fractional parts. On the Perl level, there is no difference between those as Perl handles all the conversion details, but an integer may take slightly less memory and might represent more values exactly than floating point numbers.

If the number consists of digits only, this module will try to represent it as an integer value. If that fails, it will try to represent it as a numeric (floating point) value if that is possible without loss of precision. Otherwise it will preserve the number as a string value (in which case you lose roundtripping ability, as the JSON number will be re-encoded to a JSON string).
Numbers containing a fractional or exponential part will always be represented as numeric (floating point) values, possibly at a loss of precision (in which case you might lose perfect roundtripping ability, but the JSON number will still be re-encoded as a JSON number).

Note that precision is not accuracy - binary floating point values cannot represent most decimal fractions exactly, and when converting from and to floating point, this module only guarantees precision up to but not including the least significant bit.

=item true, false

These JSON atoms become C<JSON::true> and C<JSON::false>, respectively. They are overloaded to act almost exactly like the numbers C<1> and C<0>. You can check whether a scalar is a JSON boolean by using the C<JSON::is_bool> function.

=item null

A JSON null atom becomes C<undef> in Perl.

=item shell-style comments (C<< # I<text> >>)

As a nonstandard extension to the JSON syntax that is enabled by the C<relaxed> setting, shell-style comments are allowed. They can start anywhere outside strings and go till the end of the line.

=item tagged values (C<< (I<tag>)I<value> >>).

Another nonstandard extension to the JSON syntax, enabled with the C<allow_tags> setting, are tagged values. In this implementation, the I<tag> must be a perl package/class name encoded as a JSON string, and the I<value> must be a JSON array encoding optional constructor arguments.

See L<OBJECT SERIALISATION>, below, for details.

=back

=head2 PERL -> JSON

The mapping from Perl to JSON is slightly more difficult, as Perl is a truly typeless language, so we can only guess which JSON type is meant by a Perl value.
Perl hash references become JSON objects. As there is no inherent ordering in hash keys (or JSON objects), they will usually be encoded in a pseudo-random order. This module can optionally sort the hash keys (determined by the `I<canonical>` flag), so the same data structure will serialise to the same JSON text (given same settings and version of the same backend), but this incurs a runtime overhead and is only rarely useful, e.g. when you want to compare some JSON text against another for equality.

=item array references

Perl array references become JSON arrays.

=item other references

Other unblessed references are generally not allowed and will cause an exception to be thrown, except for references to the integers C<0> and C<1>, which get turned into C<false> and C<true> atoms in JSON. You can also use C<JSON::false> and C<JSON::true> to improve readability.

    encode_json [0,JSON::true]  # yields [false,true]

=item JSON::true, JSON::false, JSON::null

These special values become JSON true and JSON false values, respectively. You can also use C<\1> and C<\0> directly if you want.

=item blessed objects

Blessed objects are not directly representable in JSON, but C<JSON::XS> allows various ways of handling objects. See L<Object Serialisation>, below, for details.

=item simple scalars

Simple Perl scalars (any scalar that is not a reference) are the most difficult objects to encode: this module will encode undefined scalars as JSON C<null> values, scalars that have last been used in a string context before encoding as JSON strings, and anything else as number value:

    # dump as number
    encode_json [-3.0e17]      # yields [-3e+17]
    my $value = 5; encode_json [$value]  # yields [5]

    # used as string, so dump as string
    print $value;
    encode_json [$value]       # yields "5"
You can force the type to be a string by stringifying it:

    my $x = 3.1;  # some variable containing a number
    "$x";        # stringified
    $x .="";     # another, more awkward way to stringify
    print $x;   # perl does it for you, too, quite often

You can force the type to be a number by numifying it:

    my $x = "3";  # some variable containing a string
    $x += 0;    # numify it, ensuring it will be dumped as a number
    $x *=-1;   # same thing, the choice is yours.

You can not currently force the type in other, less obscure, ways. Tell me if you need this capability (but don't forget to explain why it's needed :).

Since version 2.91_01, JSON::PP uses a different number detection logic that converts a scalar that is possible to turn into a number safely. The new logic is slightly faster, and tends to help people who use older perl or who want to encode complicated data structure. However, this may result in a different JSON text from the one JSON::XS encodes (and thus may break tests that compare entire JSON texts). If you do need the previous behavior for better compatibility or for finer control, set PERL_JSON_PP_USE_B environmental variable to true before you use JSON.

Note that numerical precision has the same meaning as under Perl (so binary to decimal conversion follows the same rules as in Perl, which can differ to other languages). Also, your perl interpreter might expose extensions to the floating point numbers of your platform, such as infinities or NaN's - these cannot be represented in JSON, and it is an error to pass those in.

JSON.pm backend modules trust what you pass to encode method (or encode_json function) is a clean, validated data structure with values that can be represented as valid JSON values only, because it's not from an external data source (as opposed to JSON texts you pass to decode or decode_json, which JSON backends consider tainted and don't trust). As JSON backends don't know exactly what you and consumers of your JSON texts want the unexpected values to be (you may want to convert them into null, or to stringify them with or without normalisation (string representation of infinities/NaN may vary depending on platforms), or to croak without conversion), you're advised
to do what you and your consumers need before you encode, and also not
to numify values that may start with values that look like a number
(including infinities/NaN), without validating.

=head2 OBJECT SERIALISATION

As JSON cannot directly represent Perl objects, you have to choose between
a pure JSON representation (without the ability to deserialise the object
automatically again), and a nonstandard extension to the JSON syntax,
tagged values.

=head3 SERIALISATION

What happens when this module encounters a Perl object depends on the
C<allow_blessed>, C<convert_blessed> and C<allow_tags> settings, which
are used in this order:

=item 1. C<allow_tags> is enabled and the object has a C<FREEZE> method.

In this case, C<JSON> creates a tagged JSON value, using a nonstandard
extension to the JSON syntax.

This works by invoking the C<FREEZE> method on the object, with the first
argument being the object to serialise, and the second argument being the
constant string C<JSON> to distinguish it from other serialisers.

The C<FREEZE> method can return any number of values (i.e. zero or
more). These values and the package/classname of the object will then be
encoded as a tagged JSON value in the following format:

("classname")[FREEZE return values...]

e.g.:

("URI")"http://www.google.com/"
("MyDate")[2013,10,29]
("ImageData::JPEG")["Z3...V1Cg=="]

For example, the hypothetical C<My::Object> C<FREEZE> method might use the
objects C<type> and C<id> members to encode the object:

sub My::Object::FREEZE {
    my ($self, $serialiser) = @_;
item 2. `convert_blessed` is enabled and the object has a `TO_JSON` method.

In this case, the `TO_JSON` method of the object is invoked in scalar context. It must return a single scalar that can be directly encoded into JSON. This scalar replaces the object in the JSON text.

For example, the following `TO_JSON` method will convert all `URI` objects to JSON strings when serialised. The fact that these values originally were `URI` objects is lost.

```perl
sub URI::TO_JSON { 
    my ($uri) = @_; 
    $uri->as_string 
}
```

item 3. `allow_blessed` is enabled.

The object will be serialised as a JSON null value.

item 4. none of the above

If none of the settings are enabled or the respective methods are missing, this module throws an exception.

back

head3 DESERIALISATION

For deserialisation there are only two cases to consider: either nonstandard tagging was used, in which case `allow_tags` decides, or objects cannot be automatically be deserialised, in which case you can use postprocessing or the `filter_json_object` or `filter_json_single_key_object` callbacks to get some real objects out of your JSON.

This section only considers the tagged value case: a tagged JSON object is encountered during decoding and `allow_tags` is disabled, a parse error will result (as if tagged values were not part of the grammar).

If `allow_tags` is enabled, this module will look up the `THAW` method of the package/classname used during serialisation (it will not attempt to load the package as a Perl module). If there is no such method, the decoding will fail with an error.

Otherwise, the `THAW` method is invoked with the classname as first
argument, the constant string `C<JSON>` as second argument, and all the
values from the JSON array (the values originally returned by the
C<FREEZE> method) as remaining arguments.

The method must then return the object. While technically you can return
any Perl scalar, you might have to enable the C<allow_nonref> setting to
make that work in all cases, so better return an actual blessed reference.

As an example, let's implement a C<THAW> function that regenerates the
C<My::Object> from the C<FREEZE> example earlier:

```perl
sub My::Object::THAW {
    my ($class, $serialiser, $type, $id) = @_;

    $class->new (type => $type, id => $id)
}
```

=head1 ENCODING/CODESET FLAG NOTES

This section is taken from JSON::XS.

The interested reader might have seen a number of flags that signify
encodings or codesets - C<utf8>, C<latin1> and C<ascii>. There seems to be
some confusion on what these do, so here is a short comparison:

C<utf8> controls whether the JSON text created by C<encode> (and expected
by C<decode>) is UTF-8 encoded or not, while C<latin1> and C<ascii> only
control whether C<encode> escapes character values outside their respective
codeset range. Neither of these flags conflict with each other, although
some combinations make less sense than others.

Care has been taken to make all flags symmetrical with respect to
C<encode> and C<decode>, that is, texts encoded with any combination of
these flag values will be correctly decoded when the same flags are used
- in general, if you use different flag settings while encoding vs. when
decoding you likely have a bug somewhere.

Below comes a verbose discussion of these flags. Note that a "codeset" is
simply an abstract set of character-codepoint pairs, while an encoding
takes those codepoint numbers and I<encodes> them, in our case into
octets. Unicode is (among other things) a codeset, UTF-8 is an encoding,
and ISO-8859-1 (= latin 1) and ASCII are both codesets I<and> encodings at
the same time, which can be confusing.

=item C<utf8> flag disabled
When C<utf8> is disabled (the default), then C<encode>/C<decode> generate and expect Unicode strings, that is, characters with high ordinal Unicode values (> 255) will be encoded as such characters, and likewise such characters are decoded as-is, no changes to them will be done, except "(re-)interpreting" them as Unicode codepoints or Unicode characters, respectively (to Perl, these are the same thing in strings unless you do funny/weird/dumb stuff).

This is useful when you want to do the encoding yourself (e.g. when you want to have UTF-16 encoded JSON texts) or when some other layer does the encoding for you (for example, when printing to a terminal using a filehandle that transparently encodes to UTF-8 you certainly do NOT want to UTF-8 encode your data first and have Perl encode it another time).

=item C<utf8> flag enabled

If the C<utf8>-flag is enabled, C<encode>/C<decode> will encode all characters using the corresponding UTF-8 multi-byte sequence, and will expect your input strings to be encoded as UTF-8, that is, no "character" of the input string must have any value > 255, as UTF-8 does not allow that.

The C<utf8> flag therefore switches between two modes: disabled means you will get a Unicode string in Perl, enabled means you get an UTF-8 encoded octet/binary string in Perl.

=item C<latin1> or C<ascii> flags enabled

With C<latin1> (or C<ascii>) enabled, C<encode> will escape characters with ordinal values > 255 (> 127 with C<ascii>) and encode the remaining characters as specified by the C<utf8> flag.

If C<utf8> is disabled, then the result is also correctly encoded in those character sets (as both are proper subsets of Unicode, meaning that a Unicode string with all character values < 256 is the same thing as a ISO-8859-1 string, and a Unicode string with all character values < 128 is the same thing as an ASCII string in Perl).

If C<utf8> is enabled, you still get a correct UTF-8-encoded string, regardless of these flags, just some more characters will be escaped using C\uXXXX then before.

Note that ISO-8859-1-I<encoded> strings are not compatible with UTF-8 encoding, while ASCII-encoded strings are. That is because the ISO-8859-1 encoding is NOT a subset of UTF-8 (despite the ISO-8859-1 I<codeset> being a subset of Unicode), while ASCII is.
Surprisingly, C<decode> will ignore these flags and so treat all input values as governed by the C<utf8> flag. If it is disabled, this allows you to decode ISO-8859-1- and ASCII-encoded strings, as both strict subsets of Unicode. If it is enabled, you can correctly decode UTF-8 encoded strings.

So neither C<latin1> nor C<ascii> are incompatible with the C<utf8> flag - they only govern when the JSON output engine escapes a character or not.

The main use for C<latin1> is to relatively efficiently store binary data as JSON, at the expense of breaking compatibility with most JSON decoders.

The main use for C<ascii> is to force the output to not contain characters with values > 127, which means you can interpret the resulting string as UTF-8, ISO-8859-1, ASCII, KOI8-R or most about any character set and 8-bit-encoding, and still get the same data structure back. This is useful when your channel for JSON transfer is not 8-bit clean or the encoding might be mangled in between (e.g. in mail), and works because ASCII is a proper subset of most 8-bit and multibyte encodings in use in the world.

=back

=head1 BACKWARD INCOMPATIBILITY

Since version 2.90, stringification (and string comparison) for C<JSON::true> and C<JSON::false> has not been overloaded. It shouldn't matter as long as you treat them as boolean values, but a code that expects they are stringified as "true" or "false" doesn't work as you have expected any more.

    if (JSON::true eq 'true') { # now fails

    print "The result is $JSON::true now."; # => The result is 1 now.

And now these boolean values don't inherit JSON::Boolean, either. When you need to test a value is a JSON boolean value or not, use C<JSON::is_bool> function, instead of testing the value inherits a particular boolean class or not.

=head1 BUGS

Please report bugs on backend selection and additional features this module provides to RT or GitHub issues for this module:

L<https://github.com/makamaka/JSON/issues>

As for bugs on a specific behavior, please report to the author
of the backend module you are using.

As for new features and requests to change common behaviors, please ask the author of JSON::XS (Marc Lehmann, schmorpschmorp.de) first, by email (important!), to keep compatibility among JSON.pm backends.

=head1 SEE ALSO

L<JSON::XS>, L<Cpanel::JSON::XS>, L<JSON::PP> for backends.

L<JSON::MaybeXS>, an alternative that prefers Cpanel::JSON::XS.

C<RFC4627>(L<http://www.ietf.org/rfc/rfc4627.txt>)

RFC7159 (L<http://www.ietf.org/rfc/rfc7159.txt>)

RFC8259 (L<http://www.ietf.org/rfc/rfc8259.txt>)

=head1 AUTHOR

Makamaka Hannyaharamitu, makamaka@cpan.org

JSON::XS was written by Marc Lehmann schmorpschmorp.de

The release of this new version owes to the courtesy of Marc Lehmann.

=head1 CURRENT MAINTAINER

Kenichi Ishigaki, ishigaki@cpan.org

=head1 COPYRIGHT AND LICENSE

Copyright 2005-2013 by Makamaka Hannyaharamitu

Most of the documentation is taken from JSON::XS by Marc Lehmann

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1141297322_1614968490.78/0/libjson-perl-4.02-0.tar.gz/JSON-4.02/lib/JSON.pm

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

use strict;
use warnings;
use Benchmark qw( cmpthese timethese );

our $VERSION = '1.00';

my $wanttime = $ARGV[1] || 5;

use JSON qw( -support_by_pp -no_export ); # for JSON::PP::Boolean inheritance
use JSON::PP ();
use JSON::XS ();
use utf8;

my $pp   = JSON::PP->new->utf8;
my $xs   = JSON::XS->new->utf8;

local $/;

my $json = <>;
my $perl = JSON::XS::decode_json $json;
my $result;

printf( "JSON::PP %s\n", JSON::PP->VERSION );
printf( "JSON::XS %s\n", JSON::XS->VERSION );

print "-----------------------------------\n";
print "->decode()\n";
print "-----------------------------------\n";

$result = timethese( -$wanttime,
    { 'JSON::PP' => sub { $pp->decode( $json ) }, 'JSON::XS' => sub { $xs->decode( $json ) }, }, 'none' );
cmpthese( $result );

print "-----------------------------------\n";

__END__

=head1 SYNOPSIS

bench_decode.pl json-file
bench_decode.pl json-file minimum-time

=head1 DESCRIPTION

L<JSON::PP> and L<JSON::XS> decoding benchmark.

=head1 AUTHOR

makamaka

=head1 LICENSE

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1141297322_1614968490.78/0/libjson-perl-4-02000-orig-1-tar-gz/JSON-4.02/eg/bench_decode.pl
No license file was found, but licenses were detected in source scan.

=head1 NAME

JSON::PP::Boolean - dummy module providing JSON::PP::Boolean

=head1 SYNOPSIS

# do not "use" yourself

=head1 DESCRIPTION

This module exists only to provide overload resolution for Storable and similar modules. See L<JSON::PP> for more info about this class.

=head1 AUTHOR

This idea is from L<JSON::XS::Boolean> written by Marc Lehmann <schmor[at]schmor.de>

=head1 LICENSE

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

=pod

=head1 NAME

JSON::PP - JSON::XS compatible pure-Perl module.

=head1 SYNOPSIS

use JSON::PP;

# exported functions, they croak on error
# and expect/generate UTF-8

$utf8_encoded_json_text = encode_json $perl_hash_or_arrayref;
$perl_hash_or_arrayref = decode_json $utf8_encoded_json_text;

# OO-interface

$json = JSON::PP->{'new-'>ascii->pretty->allow_nonref;

$pretty_printed_json_text = $json->encode( $perl_scalar );
$perl_scalar = $json->decode( $json_text );

# Note that JSON version 2.0 and above will automatically use
# JSON::XS or JSON::PP, so you should be able to just:

use JSON;

=head1 VERSION

4.02

=head1 DESCRIPTION

JSON::PP is a pure perl JSON decoder/encoder, and (almost) compatible to much faster L<JSON::XS> written by Marc Lehmann in C. JSON::PP works as a fallback module when you use L<JSON> module without having installed JSON::XS.

Because of this fallback feature of JSON.pm, JSON::PP tries not to be more JavaScript-friendly than JSON::XS (i.e. not to escape extra characters such as U+2028 and U+2029, etc), in order for you not to lose such JavaScript-friendliness silently
when you use JSON.pm and install JSON::XS for speed or by accident. If you need JavaScript-friendly RFC7159-compliant pure perl module, try L<JSON::Tiny>, which is derived from L<Mojolicious> web framework and is also smaller and faster than JSON::PP.

JSON::PP has been in the Perl core since Perl 5.14, mainly for CPAN toolchain modules to parse META.json.

=head1 FUNCTIONAL INTERFACE

This section is taken from JSON::XS almost verbatim. C<encode_json> and C<decode_json> are exported by default.

=head2 encode_json

$json_text = encode_json $perl_scalar

Converts the given Perl data structure to a UTF-8 encoded, binary string (that is, the string contains octets only). Croaks on error.

This function call is functionally identical to:

$json_text = JSON::PP->new->utf8->encode($perl_scalar)

Except being faster.

=head2 decode_json

$perl_scalar = decode_json $json_text

The opposite of C<encode_json>: expects an UTF-8 (binary) string and tries to parse that as an UTF-8 encoded JSON text, returning the resulting reference. Croaks on error.

This function call is functionally identical to:

$perl_scalar = JSON::PP->new->utf8->decode($json_text)

Except being faster.

=head2 JSON::PP::is_bool

$is_boolean = JSON::PP::is_bool($scalar)

Returns true if the passed scalar represents either JSON::PP::true or JSON::PP::false, two constants that act like C<1> and C<0> respectively and are also used to represent JSON C<true> and C<false> in Perl strings.
See L<MAPPING>, below, for more information on how JSON values are mapped to Perl.

=head1 OBJECT-ORIENTED INTERFACE

This section is also taken from JSON::XS.

The object oriented interface lets you configure your own encoding or decoding style, within the limits of supported formats.

=head2 new

$json = JSON::PP->new

Creates a new JSON::PP object that can be used to de/encode JSON strings. All boolean flags described below are by default I<disabled> (with the exception of C<allow_nonref>, which defaults to I<enabled> since version C<4.0>.

The mutators for flags all return the JSON::PP object again and thus calls can be chained:

my $json = JSON::PP->new->utf8->space_after->encode({a => [1,2]})
=> {"a": [1, 2]}

=head2 ascii

$enabled = $json->get_ascii

If C<$enable> is true (or missing), then the C<encode> method will not generate characters outside the code range C<0..127> (which is ASCII). Any Unicode characters outside that range will be escaped using either a single \uXXXX (BMP characters) or a double \uHHHH\uLLLLL escape sequence, as per RFC4627. The resulting encoded JSON text can be treated as a native Unicode string, an ascii-encoded, latin1-encoded or UTF-8 encoded string, or any other superset of ASCII.

If C<$enable> is false, then the C<encode> method will not escape Unicode characters unless required by the JSON syntax or other flags. This results in a faster and more compact format.

See also the section I<ENCODING/CODESET FLAG NOTES> later in this document.

The main use for this flag is to produce JSON texts that can be transmitted over a 7-bit channel, as the encoded JSON texts will not contain any 8 bit characters.
JSON::PP->new->ascii(1)->encode([chr 0x10401])
=> ["\ud801\udc01"]

=head2 latin1

$json = $json->latin1([$enable])

$enabled = $json->get_latin1

If C<$enable> is true (or missing), then the C<encode> method will encode
the resulting JSON text as latin1 (or iso-8859-1), escaping any characters
outside the code range C<0..255>. The resulting string can be treated as a
latin1-encoded JSON text or a native Unicode string. The C<decode> method
will not be affected in any way by this flag, as C<decode> by default
expects Unicode, which is a strict superset of latin1.

If C<$enable> is false, then the C<encode> method will not escape Unicode
characters unless required by the JSON syntax or other flags.

See also the section I<ENCODING/CODESET FLAG NOTES> later in this document.

The main use for this flag is efficiently encoding binary data as JSON
text, as most octets will not be escaped, resulting in a smaller encoded
size. The disadvantage is that the resulting JSON text is encoded
in latin1 (and must correctly be treated as such when storing and
transferring), a rare encoding for JSON. It is therefore most useful when
you want to store data structures known to contain binary data efficiently
in files or databases, not when talking to other JSON encoders/decoders.

JSON::PP->new->latin1->encode (["\x{89}\x{abc}"]) => ["\x{89}\u0abc"]  # (perl syntax, U+abc escaped, U+89 not)

=head2 utf8

$json = $json->utf8([$enable])

$enabled = $json->get_utf8

If C<$enable> is true (or missing), then the C<encode> method will encode
the JSON result into UTF-8, as required by many protocols, while the
C<decode> method expects to be handled an UTF-8-encoded string. Please
note that UTF-8-encoded strings do not contain any characters outside the
range C<0..255>, they are thus useful for bytewise/binary I/O. In future
versions, enabling this option might enable autodetection of the UTF-16
and UTF-32 encoding families, as described in RFC4627.

If C<$enable> is false, then the C<encode> method will return the JSON
string as a (non-encoded) Unicode string, while C<decode> expects thus a
Unicode string. Any decoding or encoding (e.g. to UTF-8 or UTF-16) needs
to be done yourself, e.g. using the Encode module.

See also the section I<ENCODING/CODESET FLAG NOTES> later in this document.

Example, output UTF-16BE-encoded JSON:

use Encode;
$jsontext = encode "UTF-16BE", JSON::PP->new->encode ($object);

Example, decode UTF-32LE-encoded JSON:

use Encode;
$object = JSON::PP->new->decode (decode "UTF-32LE", $jsontext);

=head2 pretty

$json = $json->pretty([$enable])

This enables (or disables) all of the C<indent>, C<space_before> and
C<space_after> (and in the future possibly more) flags in one call to
generate the most readable (or most compact) form possible.

=head2 indent

$json = $json->indent([$enable])

$enabled = $json->get_indent

If C<$enable> is true (or missing), then the C<encode> method will use a multiline
format as output, putting every array member or object/hash key-value pair
into its own line, indented them properly.

If C<$enable> is false, no newlines or indenting will be produced, and the
resulting JSON text is guaranteed not to contain any C<newlines>.

This setting has no effect when decoding JSON texts.

The default indent space length is three.
You can use C<indent_length> to change the length.

=head2 space_before

$json = $json->space_before([$enable])

$enabled = $json->get_space_before

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If $enable$ is true (or missing), then the $encode$ method will add an extra optional space before the $::$ separating keys from values in JSON objects.

If $enable$ is false, then the $encode$ method will not add any extra space at those places.

This setting has no effect when decoding JSON texts. You will also most likely combine this setting with $space_after$.

Example, space_before enabled, space_after and indent disabled:

```
{ "key" : "value" }
```

=head2 space_after

```perl
$json = $json->space_after([$enable])
$enabled = $json->get_space_after
```

If $enable$ is true (or missing), then the $encode$ method will add an extra optional space after the $::$ separating keys from values in JSON objects and extra whitespace after the $,:$ separating key-value pairs and array members.

If $enable$ is false, then the $encode$ method will not add any extra space at those places.

This setting has no effect when decoding JSON texts.

Example, space_before and indent disabled, space_after enabled:

```
{ "key" : "value" }
```

=head2 relaxed

```perl
$json = $json->relaxed([$enable])
$enabled = $json->get_relaxed
```

If $enable$ is true (or missing), then $decode$ will accept some extensions to normal JSON syntax (see below). $encode$ will not be affected in anyway. I<Be aware that this option makes you accept invalid JSON texts as if they were valid!>. I suggest only to use this option to parse application-specific files written by humans (configuration files, resource files etc.)

If $enable$ is false (the default), then $decode$ will only accept valid JSON texts.
Currently accepted extensions are:

=over 4

=item * list items can have an end-comma

JSON I<separates> array elements and key-value pairs with commas. This can be annoying if you write JSON texts manually and want to be able to quickly append elements, so this extension accepts comma at the end of such items not just between them:

```json
[
  1,
  2, <- this comma not normally allowed
]
{
  "k1": "v1",
  "k2": "v2", <- this comma not normally allowed
}
```

=item * shell-style '#'-comments

Whenever JSON allows whitespace, shell-style comments are additionally allowed. They are terminated by the first carriage-return or line-feed character, after which more white-space and comments are allowed.

```json
[ 1, # this comment not allowed in JSON
   # neither this one...
]
```

=item * C-style multiple-line '/* */'-comments (JSON::PP only)

Whenever JSON allows whitespace, C-style multiple-line comments are additionally allowed. Everything between C</*> and C<*/> is a comment, after which more white-space and comments are allowed.

```json
[ 1, /* this comment not allowed in JSON */
   /* neither this one... */
]
```

=item * C++-style one-line '//'-comments (JSON::PP only)

Whenever JSON allows whitespace, C++-style one-line comments are additionally allowed. They are terminated by the first carriage-return or line-feed character, after which more white-space and comments are allowed.

```json
[ 1, // this comment not allowed in JSON */
   // neither this one... */
]
```
Literal ASCII TAB characters are now allowed in strings (and treated as \texttt{C<TAB>}).

```perl
[ "Hello\tWorld",
  "Hello<TAB>World", # literal <TAB> would not normally be allowed
]
```

This option is useful if you want the same data structure to be encoded as the same JSON text (given the same overall settings). If it is disabled, the same hash might be encoded differently even if contains the same data, as key-value pairs have no inherent ordering in Perl.

This setting has no effect when decoding JSON texts.

This setting has currently no effect on tied hashes.

```perl
=head2 allow_nonref

$json = $json->allow_nonref([$enable])

$enabled = $json->get_allow_nonref
```

Unlike other boolean options, this option is enabled by default beginning
with version C<4.0>.

If C<$enable> is true (or missing), then the C<encode> method can convert a non-reference into its corresponding string, number or null JSON value, which is an extension to RFC4627. Likewise, C<decode> will accept those JSON values instead of croaking.

If C<$enable> is false, then the C<encode> method will croak if it isn't passed an arrayref or hashref, as JSON texts must either be an object or array. Likewise, C<decode> will croak if given something that is not a JSON object or array.

Example, encode a Perl scalar as JSON value without enabled C<allow_nonref>, resulting in an error:

    JSON::PP->new->allow_nonref(0)->encode ("Hello, World!")
    => hash- or arrayref expected...

=head2 allow_unknown

$json = $json->allow_unknown([$enable])

$enabled = $json->get_allow_unknown

If C<$enable> is true (or missing), then C<encode> will I<not> throw an exception when it encounters values it cannot represent in JSON (for example, filehandles) but instead will encode a JSON C<null> value. Note that blessed objects are not included here and are handled separately by c<allow_blessed>.

If C<$enable> is false (the default), then C<encode> will throw an exception when it encounters anything it cannot encode as JSON.

This option does not affect C<decode> in any way, and it is recommended to leave it off unless you know your communications partner.

=head2 allow_blessed

$json = $json->allow_blessed([$enable])

$enabled = $json->get_allow_blessed

See L<OBJECT SERIALISATION> for details.

If C<$enable> is true (or missing), then the C<encode> method will not barf when it encounters a blessed reference that it cannot convert otherwise. Instead, a JSON C<null> value is encoded instead of the object.
If C<$enable> is false (the default), then C<encode> will throw an exception when it encounters a blessed object that it cannot convert otherwise.

This setting has no effect on C<decode>.

=head2 convert_blessed

$json = $json->convert_blessed([$enable])

$enabled = $json->get_convert_blessed

See L<OBJECT SERIALISATION> for details.

If C<$enable> is true (or missing), then C<encode>, upon encountering a blessed object, will check for the availability of the C<TO_JSON> method on the object's class. If found, it will be called in scalar context and the resulting scalar will be encoded instead of the object.

The C<TO_JSON> method may safely call die if it wants. If C<TO_JSON> returns other blessed objects, those will be handled in the same way. C<TO_JSON> must take care of not causing an endless recursion cycle (= crash) in this case. The name of C<TO_JSON> was chosen because other methods called by the Perl core (= not by the user of the object) are usually in upper case letters and to avoid collisions with any C<to_json> function or method.

If C<$enable> is false (the default), then C<encode> will not consider this type of conversion.

This setting has no effect on C<decode>.

=head2 allow_tags

$json = $json->allow_tags([$enable])

$enabled = $json->get_allow_tags

See L<OBJECT SERIALISATION> for details.

If C<$enable> is true (or missing), then C<encode>, upon encountering a blessed object, will check for the availability of the C<FREEZE> method on the object's class. If found, it will be used to serialise the object into a nonstandard tagged JSON value (that JSON decoders cannot decode).

It also causes C<decode> to parse such tagged JSON values and deserialise them via a call to the C<THAW> method.
If C<$enable> is false (the default), then C<encode> will not consider this type of conversion, and tagged JSON values will cause a parse error in C<decode>, as if tags were not part of the grammar.

=head2 boolean_values

$json->boolean_values([$false, $true])

($false, $true) = $json->get_boolean_values

By default, JSON booleans will be decoded as overloaded C<$JSON::PP::false> and C<$JSON::PP::true> objects.

With this method you can specify your own boolean values for decoding - on decode, JSON C<$false> will be decoded as a copy of C<$false>, and JSON C<$true> will be decoded as C<$true> (“copy” here is the same thing as assigning a value to another variable, i.e. C<$copy = $false>).

This is useful when you want to pass a decoded data structure directly to other serialisers like YAML, Data::MessagePack and so on.

Note that this works only when you C<decode>. You can set incompatible boolean objects (like L<boolean>), but when you C<encode> a data structure with such boolean objects, you still need to enable C<convert_blessed> (and add a C<TO_JSON> method if necessary).

Calling this method without any arguments will reset the booleans to their default values.

C<get_boolean_values> will return both C<$false> and C<$true> values, or the empty list when they are set to the default.

=head2 filter_json_object

$json = $json->filter_json_object([$coderef])

When C<$coderef> is specified, it will be called from C<decode> each time it decodes a JSON object. The only argument is a reference to the newly-created hash. If the code references returns a single scalar (which need not be a reference), this value (or rather a copy of it) is inserted into the deserialised data structure. If it returns an empty list (NOTE: I<not> C<undef>, which is a valid scalar), the original deserialised hash will be inserted. This setting can slow down decoding considerably.

When C<$coderef> is omitted or undefined, any existing callback will be removed and C<decode> will not change the deserialised hash in any way.
Example, convert all JSON objects into the integer 5:
my $js = JSON::PP->new->filter_json_object(sub { 5 });
# returns [5]
$js->decode('[{}]');
# returns 5
$js->decode('{"a":1, "b":2}');
=head2 filter_json_single_key_object
$json = $json->filter_json_single_key_object($key [=> $coderef])
Works remotely similar to C<filter_json_object>, but is only called for
JSON objects having a single key named C<$key>.
This C<$coderef> is called before the one specified via
C<filter_json_object>, if any. It gets passed the single value in the JSON
object. If it returns a single value, it will be inserted into the data
structure. If it returns nothing (not even C<undef> but the empty list),
the callback from C<filter_json_object> will be called next, as if no
single-key callback were specified.
If C<$coderef> is omitted or undefined, the corresponding callback will be
disabled. There can only ever be one callback for a given key.
As this callback gets called less often then the C<filter_json_object>
one, decoding speed will not usually suffer as much. Therefore, single-key
objects make excellent targets to serialise Perl objects into, especially
as single-key JSON objects are as close to the type-tagged value concept
as JSON gets (it's basically an ID/VALUE tuple). Of course, JSON does not
support this in any way, so you need to make sure your data never looks
like a serialised Perl hash.
Typical names for the single object key are C<__class_whatever__>, or
C<$__dollars_are_rarely_used__$> or C<}ugly_brace_placement>, or even
things like C<__class_md5sum(classname)__>, to reduce the risk of clashing
with real hashes.
Example, decode JSON objects of the form C<< { "__widget__" => <id> } >>
into the corresponding C<< $WIDGET{<id>} >> object:
# return whatever is in $WIDGET{5}:
JSON::PP
->new
->filter_json_single_key_object (__widget__ => sub {
$WIDGET{ $_[0] }
})

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# this can be used with a TO_JSON method in some "widget" class
# for serialisation to json:
sub WidgetBase::TO_JSON {
    my ($self) = @_;

    unless ($self->{id}) {
        $self->{id} = ..get..some..id..;
        $WIDGET{$self->{id}} = $self;
    }

    { __widget__ => $self->{id} }
}

=head2 shrink

$json = $json->shrink([$enable])

$enabled = $json->get_shrink

If C<$enable> is true (or missing), the string returned by C<encode> will
be shrunk (i.e. downgraded if possible).

The actual definition of what shrink does might change in future versions,
but it will always try to save space at the expense of time.

If C<$enable> is false, then JSON::PP does nothing.

=head2 max_depth

$json = $json->max_depth([$maximum_nesting_depth])

$maximum_depth = $json->get_max_depth

Sets the maximum nesting level (default C<512>) accepted while encoding
or decoding. If a higher nesting level is detected in JSON text or a Perl
data structure, then the encoder and decoder will stop and croak at that
point.

Nesting level is defined by number of hash- or arrayrefs that the encoder
needs to traverse to reach a given point or the number of C<{}> or C<[]>
characters without their matching closing parenthesis crossed to reach a
given character in a string.

Setting the maximum depth to one disallows any nesting, so that ensures
that the object is only a single hash/object or array.
If no argument is given, the highest possible setting will be used, which is rarely useful.

See L<JSON::XS/SECURITY CONSIDERATIONS> for more info on why this is useful.

=head2 max_size

$json = $json->max_size([$maximum_string_size])

$max_size = $json->get_max_size

Set the maximum length a JSON text may have (in bytes) where decoding is being attempted. The default is C<0>, meaning no limit. When C<decode> is called on a string that is longer than this many bytes, it will not attempt to decode the string but throw an exception. This setting has no effect on C<encode> (yet).

If no argument is given, the limit check will be deactivated (same as when C<0> is specified).

See L<JSON::XS/SECURITY CONSIDERATIONS> for more info on why this is useful.

=head2 encode

$json_text = $json->encode($perl_scalar)

Converts the given Perl value or data structure to its JSON representation. Croaks on error.

=head2 decode

$perl_scalar = $json->decode($json_text)

The opposite of C<encode>: expects a JSON text and tries to parse it, returning the resulting simple scalar or reference. Croaks on error.

=head2 decode_prefix

($perl_scalar, $characters) = $json->decode_prefix($json_text)

This works like the C<decode> method, but instead of raising an exception when there is trailing garbage after the first JSON object, it will silently stop parsing there and return the number of characters consumed so far.

This is useful if your JSON texts are not delimited by an outer protocol and you need to know where the JSON text ends.
The following flags and properties are for JSON::PP only. If you use any of these, you can't make your application run faster by replacing JSON::PP with JSON::XS. If you need these and also speed boost, you might want to try L<Cpanel::JSON::XS>, a fork of JSON::XS by Reini Urban, which supports some of these (with a different set of incompatibilities). Most of these historical flags are only kept for backward compatibility, and should not be used in a new application.

=head2 allow_singlequote

If C<$enable> is true (or missing), then C<decode> will accept invalid JSON texts that contain strings that begin and end with single quotation marks. C<encode> will not be affected in any way. I<Be aware that this option makes you accept invalid JSON texts as if they were valid!>. I suggest only to use this option to parse application-specific files written by humans (configuration files, resource files etc.)

If C<$enable> is false (the default), then C<decode> will only accept valid JSON texts.

=head2 allow_barekey

If C<$enable> is true (or missing), then C<decode> will accept invalid JSON texts that contain JSON objects whose names don't begin and end with quotation marks. C<encode> will not be affected in any way. I<Be aware that this option makes you accept invalid JSON texts as if they were valid!>. I suggest only to use this option to parse application-specific files written by humans (configuration files, resource files etc.)

If C<$enable> is false (the default), then C<decode> will only accept valid JSON texts.
$json->allow_barekey->decode(qq|{foo:"bar"}|);

=head2 allow_bignum

$json = $json->allow_bignum($enable)
$enabled = $json->get_allow_bignum

If C<$enable> is true (or missing), then C<decode> will convert
big integers Perl cannot handle as integer into L<Math::BigInt>
objects and convert floating numbers into L<Math::BigFloat>
objects. C<encode> will convert C<Math::BigInt> and C<Math::BigFloat>
objects into JSON numbers.

$json->allow_nonref->allow_bignum;
$bigfloat = $json->decode('2.000000000000000000000000001');
print $json->encode($bigfloat);
# => 2.000000000000000000000000001

See also L<MAPPING>.

=head2 loose

$json = $json->loose($enable)
$enabled = $json->get_loose

If C<$enable> is true (or missing), then C<decode> will accept
invalid JSON texts that contain unescaped [\x00-\x1f\x22\x5c] characters. C<encode> will not be affected in any way.
I<Be aware that this option makes you accept invalid JSON texts
as if they were valid!>. I suggest only to use this option to
parse application-specific files written by humans (configuration
files, resource files etc.)

If C<$enable> is false (the default), then C<decode> will only accept
valid JSON texts.

$json->loose->decode(qq|"abc
def"|);

=head2 escape_slash

$json = $json->escape_slash($enable)
$enabled = $json->get_escape_slash

If C<$enable> is true (or missing), then C<encode> will explicitly
escape I<slash> (solidus; C<U+002F>) characters to reduce the risk of
XSS (cross site scripting) that may be caused by C<< </script> >>
in a JSON text, with the cost of bloating the size of JSON texts.

This option may be useful when you embed JSON in HTML, but embedding arbitrary JSON in HTML (by some HTML template toolkit or by string interpolation) is risky in general. You must escape necessary characters in correct order, depending on the context.

C<decode> will not be affected in any way.

=head2 indent_length

$json = $json->indent_length($number_of_spaces)
$length = $json->get_indent_length

This option is only useful when you also enable C<indent> or C<prettify>.

JSON::XS indents with three spaces when you C<encode> (if requested by C<indent> or C<prettify>), and the number cannot be changed. JSON::PP allows you to change/get the number of indent spaces with these mutator/accessor. The default number of spaces is three (the same as JSON::XS), and the acceptable range is from C<0> (no indentation; it'd be better to disable indentation by C<indent(0)> to C<15>.

=head2 sort_by

$json = $json->sort_by($code_ref)
$json = $json->sort_by($subroutine_name)

If you just want to sort keys (names) in JSON objects when you C<encode>, enable C<canonical> option (see above) that allows you to sort object keys alphabetically.

If you do need to sort non-alphabetically for whatever reasons, you can give a code reference (or a subroutine name) to C<sort_by>, then the argument will be passed to Perl's C<sort> built-in function.

As the sorting is done in the JSON::PP scope, you usually need to prepend C<JSON::PP::> to the subroutine name, and the special variables C<$a> and C<$b> used in the subroutine used by C<sort> function.

Example:

my %ORDER = (id => 1, class => 2, name => 3);
$json->sort_by(sub {
    ($ORDER{JSON::PP::a} // 999) <=> ($ORDER{JSON::PP::b} // 999)
    or JSON::PP::a cmp JSON::PP::b
});
print $json->encode([}
Note that \texttt{sort\_by} affects all the plain hashes in the data structure. If you need finer control, \texttt{tie} necessary hashes with a module that implements ordered hash (such as \texttt{Hash::Ordered} and \texttt{Tie::IxHash}). \texttt{canonical} and \texttt{sort\_by} don't affect the key order in \texttt{tie\_d} hashes.

\begin{verbatim}
use Hash::Ordered;
tie my %hash, 'Hash::Ordered',
    (name => 'CPAN', id => 1, href => 'http://cpan.org');
print $json->encode([%hash]); # order is kept
\end{verbatim}

=head1 INCREMENTAL PARSING

This section is also taken from JSON::XS.

In some cases, there is the need for incremental parsing of JSON texts. While this module always has to keep both JSON text and resulting Perl data structure in memory at one time, it does allow you to parse a JSON stream incrementally. It does so by accumulating text until it has a full JSON object, which it then can decode. This process is similar to using \texttt{decode\_prefix} to see if a full JSON object is available, but is much more efficient (and can be implemented with a minimum of method calls).

\texttt{JSON::PP} will only attempt to parse the JSON text once it is sure it has enough text to get a decisive result, using a very simple but truly incremental parser. This means that it sometimes won't stop as early as the full parser, for example, it doesn't detect mismatched parentheses. The only thing it guarantees is that it starts decoding as soon as a syntactically valid JSON text has been seen. This means you need to set resource limits (e.g. \texttt{max\_size}) to ensure the parser will stop parsing in the presence if syntax errors.

The following methods implement this incremental parser.

=head2 incr\_parse

\begin{verbatim}
$json->incr\_parse( [String] ) # void context
$obj\_or\_undef = $json->incr\_parse( [String] ) # scalar context
@obj\_or\_empty = $json->incr\_parse( [String] ) # list context
\end{verbatim}
This is the central parsing function. It can both append new text and extract objects from the stream accumulated so far (both of these functions are optional).

If C<$string> is given, then this string is appended to the already existing JSON fragment stored in the C<$json> object.

After that, if the function is called in void context, it will simply return without doing anything further. This can be used to add more text in as many chunks as you want.

If the method is called in scalar context, then it will try to extract exactly I<one> JSON object. If that is successful, it will return this object, otherwise it will return C<undef>. If there is a parse error, this method will croak just as C<decode> would do (one can then use C<incr_skip> to skip the erroneous part). This is the most common way of using the method.

And finally, in list context, it will try to extract as many objects from the stream as it can find and return them, or the empty list otherwise. For this to work, there must be no separators (other than whitespace) between the JSON objects or arrays, instead they must be concatenated back-to-back. If an error occurs, an exception will be raised as in the scalar context case. Note that in this case, any previously-parsed JSON texts will be lost.

Example: Parse some JSON arrays/objects in a given string and return them.

   my @objs = JSON::PP->new->incr_parse ("[5][7][1,2]");

=head2 incr_text

$lvalue_string = $json->incr_text

This method returns the currently stored JSON fragment as an lvalue, that is, you can manipulate it. This I<only> works when a preceding call to C<incr_parse> in I<scalar context> successfully returned an object. Under all other circumstances you must not call this function (I mean it. although in simple tests it might actually work, it I<will> fail under real world conditions). As a special exception, you can also call this method before having parsed anything.

That means you can only use this function to look at or manipulate text before or after complete JSON objects, not while the parser is in the middle of parsing a JSON object.

This function is useful in two cases: a) finding the trailing text after a
JSON object or b) parsing multiple JSON objects separated by non-JSON text (such as commas).

=head2 incr_skip

$json->incr_skip

This will reset the state of the incremental parser and will remove the parsed text from the input buffer so far. This is useful after C<incr_parse> died, in which case the input buffer and incremental parser state is left unchanged, to skip the text parsed so far and to reset the parse state.

The difference to C<incr_reset> is that only text until the parse error occurred is removed.

=head2 incr_reset

$json->incr_reset

This completely resets the incremental parser, that is, after this call, it will be as if the parser had never parsed anything.

This is useful if you want to repeatedly parse JSON objects and want to ignore any trailing data, which means you have to reset the parser after each successful decode.

=head1 MAPPING

Most of this section is also taken from JSON::XS.

This section describes how JSON::PP maps Perl values to JSON values and vice versa. These mappings are designed to "do the right thing" in most circumstances automatically, preserving round-tripping characteristics (what you put in comes out as something equivalent).

For the more enlightened: note that in the following descriptions, lowercase I<perl> refers to the Perl interpreter, while uppercase I<Perl> refers to the abstract Perl language itself.

=head2 JSON -> PERL

=over 4

=item object

A JSON object becomes a reference to a hash in Perl. No ordering of object keys is preserved (JSON does not preserve object key ordering itself).
=item array

A JSON array becomes a reference to an array in Perl.

=item string

A JSON string becomes a string scalar in Perl - Unicode codepoints in JSON are represented by the same codepoints in the Perl string, so no manual decoding is necessary.

=item number

A JSON number becomes either an integer, numeric (floating point) or string scalar in Perl, depending on its range and any fractional parts. On the Perl level, there is no difference between those as Perl handles all the conversion details, but an integer may take slightly less memory and might represent more values exactly than floating point numbers.

If the number consists of digits only, JSON::PP will try to represent it as an integer value. If that fails, it will try to represent it as a numeric (floating point) value if that is possible without loss of precision. Otherwise it will preserve the number as a string value (in which case you lose roundtripping ability, as the JSON number will be re-encoded to a JSON string).

Numbers containing a fractional or exponential part will always be represented as numeric (floating point) values, possibly at a loss of precision (in which case you might lose perfect roundtripping ability, but the JSON number will still be re-encoded as a JSON number).

Note that precision is not accuracy - binary floating point values cannot represent most decimal fractions exactly, and when converting from and to floating point, JSON::PP only guarantees precision up to but not including the least significant bit.

When C<allow_bignum> is enabled, big integer values and any numeric values will be converted into L<Math::BigInt> and L<Math::BigFloat> objects respectively, without becoming string scalars or losing precision.

=item true, false

These JSON atoms become C<JSON::PP::true> and C<JSON::PP::false>, respectively. They are overloaded to act almost exactly like the numbers C<1> and C<0>. You can check whether a scalar is a JSON boolean by using the C<JSON::PP::is_bool> function.
A JSON null atom becomes `undef` in Perl.

As a nonstandard extension to the JSON syntax that is enabled by the `relaxed` setting, shell-style comments are allowed. They can start anywhere outside strings and go till the end of the line.

Another nonstandard extension to the JSON syntax, enabled with the `allow_tags` setting, are tagged values. In this implementation, the `<tag>` must be a perl package/class name encoded as a JSON string, and the `<value>` must be a JSON array encoding optional constructor arguments.

See L<Object Serialisation>, below, for details.

The mapping from Perl to JSON is slightly more difficult, as Perl is a truly typeless language, so we can only guess which JSON type is meant by a Perl value.

Perl hash references become JSON objects. As there is no inherent ordering in hash keys (or JSON objects), they will usually be encoded in a pseudo-random order. JSON::PP can optionally sort the hash keys (determined by the `canonical` flag and/or `sort_by` property), so the same data structure will serialise to the same JSON text (given same settings and version of JSON::PP), but this incurs a runtime overhead and is only rarely useful, e.g. when you want to compare some JSON text against another for equality.

Perl array references become JSON arrays.

Other unblessed references are generally not allowed and will cause an
exception to be thrown, except for references to the integers \(0\) and \(1\), which get turned into \(false\) and \(true\) atoms in JSON. You can also use \(JSON::PP::false\) and \(JSON::PP::true\) to improve readability.

```perl
to_json [0, JSON::PP::true]      # yields [false,true]
```

=item JSON::PP::true, JSON::PP::false

These special values become JSON true and JSON false values, respectively. You can also use \(1\) and \(0\) directly if you want.

=item JSON::PP::null

This special value becomes JSON null.

=item blessed objects

Blessed objects are not directly representable in JSON, but \(JSON::PP\) allows various ways of handling objects. See L<Object Serialisation>, below, for details.

=item simple scalars

Simple Perl scalars (any scalar that is not a reference) are the most difficult objects to encode: JSON::PP will encode undefined scalars as JSON \(null\) values, scalars that have last been used in a string context before encoding as JSON strings, and anything else as number value:

```perl
# dump as number
encode_json [-3.0e17]                # yields [-3e+17]
my $value = 5; encode_json [$value]  # yields [5]

# used as string, so dump as string
print $value;
encode_json [$value]                 # yields ["5"]

# undef becomes null
encode_json [undef]                  # yields [null]
```

You can force the type to be a JSON string by stringifying it:

```perl
my $x = 3.1; # some variable containing a number
"$x";        # stringified
$x .= "";    # another, more awkward way to stringify
print $x;    # perl does it for you, too, quite often
             # (but for older perls)
You can force the type to be a JSON number by numifying it:

```perl
my $x = "3";  # some variable containing a string
$x += 0;     # numify it, ensuring it will be dumped as a number
$x *= 1;     # same thing, the choice is yours.
```

You can not currently force the type in other, less obscure, ways.

Since version 2.91_01, JSON::PP uses a different number detection logic that converts a scalar that is possible to turn into a number safely. The new logic is slightly faster, and tends to help people who use older perl or who want to encode complicated data structure. However, this may results in a different JSON text from the one JSON::XS encodes (and thus may break tests that compare entire JSON texts). If you do need the previous behavior for compatibility or for finer control, set PERL_JSON_PP_USE_B environmental variable to true before you use JSON::PP (or JSON.pm).

Note that numerical precision has the same meaning as under Perl (so binary to decimal conversion follows the same rules as in Perl, which can differ to other languages). Also, your perl interpreter might expose extensions to the floating point numbers of your platform, such as infinities or NaN's - these cannot be represented in JSON, and it is an error to pass those in.

JSON::PP (and JSON::XS) trusts what you pass to C<encode> method (or C<encode_json> function) is a clean, validated data structure with values that can be represented as valid JSON values only, because it's not from an external data source (as opposed to JSON texts you pass to C<decode> or C<decode_json>, which JSON::PP considers tainted and doesn't trust). As JSON::PP doesn't know exactly what you and consumers of your JSON texts want the unexpected values to be (you may want to convert them into null, or to.stringify them with or without normalisation (string representation of infinities/NaN may vary depending on platforms), or to croak without conversion), you're advised to do what you and your consumers need before you encode, and also not to numify values that may start with values that look like a number (including infinities/NaN), without validating.

=back

=head2 OBJECT SERIALISATION

As JSON cannot directly represent Perl objects, you have to choose between a pure JSON representation (without the ability to deserialise the object automatically again), and a nonstandard extension to the JSON syntax, tagged values.
What happens when *JSON::PP* encounters a Perl object depends on the *allow_blessed*, *convert_blessed*, *allow_tags* and *allow_bignum* settings, which are used in this order:

=item 1. *allow_tags* is enabled and the object has a *FREEZE* method.

In this case, *JSON::PP* creates a tagged JSON value, using a nonstandard extension to the JSON syntax.

This works by invoking the *FREEZE* method on the object, with the first argument being the object to serialise, and the second argument being the constant string *JSON* to distinguish it from other serialisers.

The *FREEZE* method can return any number of values (i.e. zero or more). These values and the package/classname of the object will then be encoded as a tagged JSON value in the following format:

("classname")[FREEZE return values...]

e.g.:

("URI")["http://www.google.com/"]
("MyDate")[2013,10,29]
("ImageData::JPEG")["Z3...VICg=="]

For example, the hypothetical *My::Object* *FREEZE* method might use the objects *type* and *id* members to encode the object:

```perl
sub My::Object::FREEZE {
  my ($self, $serialiser) = @_;

  ($self->{type}, $self->{id})
}
```

=item 2. *convert_blessed* is enabled and the object has a *TO_JSON* method.

In this case, the *TO_JSON* method of the object is invoked in scalar context. It must return a single scalar that can be directly encoded into JSON. This scalar replaces the object in the JSON text.

For example, the following *TO_JSON* method will convert all *URI* objects to JSON strings when serialised. The fact that these values originally were *URI* objects is lost.
sub URI::TO_JSON {
  my ($uri) = @_;
  $uri->as_string
}

=item 3. C<allow_bignum> is enabled and the object is a C<Math::BigInt> or C<Math::BigFloat>.
The object will be serialised as a JSON number value.

=item 4. C<allow_blessed> is enabled.
The object will be serialised as a JSON null value.

=item 5. none of the above
If none of the settings are enabled or the respective methods are missing,
C<JSON::PP> throws an exception.

=back
=head3 DESERIALISATION
For deserialisation there are only two cases to consider: either
nonstandard tagging was used, in which case C<allow_tags> decides,
or objects cannot be automatically be deserialised, in which
case you can use postprocessing or the C<filter_json_object> or
C<filter_json_single_key_object> callbacks to get some real objects our of
your JSON.

This section only considers the tagged value case: a tagged JSON object
is encountered during decoding and C<allow_tags> is disabled, a parse
error will result (as if tagged values were not part of the grammar).

If C<allow_tags> is enabled, C<JSON::PP> will look up the C<THAW> method
of the package/classname used during serialisation (it will not attempt
to load the package as a Perl module). If there is no such method, the
decoding will fail with an error.

Otherwise, the C<THAW> method is invoked with the classname as first
argument, the constant string C<JSON> as second argument, and all the
values from the JSON array (the values originally returned by the
C<FREEZE> method) as remaining arguments.

The method must then return the object. While technically you can return
any Perl scalar, you might have to enable the C<allow_nonref> setting to
make that work in all cases, so better return an actual blessed reference.
As an example, let's implement a `THAW` function that regenerates the `My::Object` from the `FREEZE` example earlier:

```perl
sub My::Object::THAW {
    my ($class, $serialiser, $type, $id) = @_;

    $class->new (type => $type, id => $id)
}
```

=head1 ENCODING/CODESET FLAG NOTES

This section is taken from JSON::XS.

The interested reader might have seen a number of flags that signify encodings or codesets - `utf8`, `latin1` and `ascii`. There seems to be some confusion on what these do, so here is a short comparison:

`utf8` controls whether the JSON text created by `encode` (and expected by `decode`) is UTF-8 encoded or not, while `latin1` and `ascii` only control whether `encode` escapes character values outside their respective codeset range. Neither of these flags conflict with each other, although some combinations make less sense than others.

Care has been taken to make all flags symmetrical with respect to `encode` and `decode`, that is, texts encoded with any combination of these flag values will be correctly decoded when the same flags are used - in general, if you use different flag settings while encoding vs. when decoding you likely have a bug somewhere.

Below comes a verbose discussion of these flags. Note that a "codeset" is simply an abstract set of character-codepoint pairs, while an encoding takes those codepoint numbers and I<encoded> them, in our case into octets. Unicode is (among other things) a codeset, UTF-8 is an encoding, and ISO-8859-1 (= latin 1) and ASCII are both codesets and encodings at the same time, which can be confusing.

=item C<utf8> flag disabled

When `utf8` is disabled (the default), then `encode/decode` generate and expect Unicode strings, that is, characters with high ordinal Unicode values (> 255) will be encoded as such characters, and likewise such characters are decoded as-is, no changes to them will be done, except "(re-)interpreting" them as Unicode codepoints or Unicode characters, respectively (to Perl, these are the same thing in strings unless you do funny/weird/dumb stuff).
This is useful when you want to do the encoding yourself (e.g. when you want to have UTF-16 encoded JSON texts) or when some other layer does the encoding for you (for example, when printing to a terminal using a filehandle that transparently encodes to UTF-8 you certainly do NOT want to UTF-8 encode your data first and have Perl encode it another time).

=item C<utf8> flag enabled

If the C<utf8>-flag is enabled, C<encode>/C<decode> will encode all characters using the corresponding UTF-8 multi-byte sequence, and will expect your input strings to be encoded as UTF-8, that is, no "character" of the input string must have any value > 255, as UTF-8 does not allow that.

The C<utf8> flag therefore switches between two modes: disabled means you will get a Unicode string in Perl, enabled means you get an UTF-8 encoded octet/binary string in Perl.

=item C<latin1> or C<ascii> flags enabled

With C<latin1> (or C<ascii>) enabled, C<encode> will escape characters with ordinal values > 255 (> 127 with C<ascii>) and encode the remaining characters as specified by the C<utf8> flag.

If C<utf8> is disabled, then the result is also correctly encoded in those character sets (as both are proper subsets of Unicode, meaning that a Unicode string with all character values < 256 is the same thing as a ISO-8859-1 string, and a Unicode string with all character values < 128 is the same thing as an ASCII string in Perl).

If C<utf8> is enabled, you still get a correct UTF-8-encoded string, regardless of these flags, just some more characters will be escaped using C<\uXXXX> then before.

Note that ISO-8859-1-I<encoded> strings are not compatible with UTF-8 encoding, while ASCII-encoded strings are. That is because the ISO-8859-1 encoding is NOT a subset of UTF-8 (despite the ISO-8859-1 I<codeset> being a subset of Unicode), while ASCII is.

Surprisingly, C<decode> will ignore these flags and so treat all input values as governed by the C<utf8> flag. If it is disabled, this allows you to decode ISO-8859-1- and ASCII-encoded strings, as both strict subsets of Unicode. If it is enabled, you can correctly decode UTF-8 encoded strings.

So neither C<latin1> nor C<ascii> are incompatible with the C<utf8> flag - they only govern when the JSON output engine escapes a character or not.
The main use for C<latin1> is to relatively efficiently store binary data as JSON, at the expense of breaking compatibility with most JSON decoders.

The main use for C<asci1> is to force the output to not contain characters with values > 127, which means you can interpret the resulting string as UTF-8, ISO-8859-1, ASCII, KOI8-R or most about any character set and 8-bit-encoding, and still get the same data structure back. This is useful when your channel for JSON transfer is not 8-bit clean or the encoding might be mangled in between (e.g. in mail), and works because ASCII is a proper subset of most 8-bit and multibyte encodings in use in the world.

=head1 BUGS

Please report bugs on a specific behavior of this module to RT or GitHub issues (preferred):

L<https://github.com/makamaka/JSON-PP/issues>


As for new features and requests to change common behaviors, please ask the author of JSON::XS (Marc Lehmann, E<lt>schmorp[at]schmorp.deE<gt>) first, by email (important!), to keep compatibility among JSON.pm backends.

Generally speaking, if you need something special for you, you are advised to create a new module, maybe based on L<JSON::Tiny>, which is smaller and written in a much cleaner way than this module.

=head1 SEE ALSO

The F<json_pp> command line utility for quick experiments.

L<JSON::XS>, L<Cpanel::JSON::XS>, and L<JSON::Tiny> for faster alternatives.
L<JSON> and L<JSON::MaybeXS> for easy migration.

L<JSON::backportPP::Compat5005> and L<JSON::backportPP::Compat5006> for older perl users.

RFC4627 (L<http://www.ietf.org/rfc/rfc4627.txt>)

RFC7159 (L<http://www.ietf.org/rfc/rfc7159.txt>)

RFC8259 (L<http://www.ietf.org/rfc/rfc8259.txt>)

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=head1 COPYRIGHT AND LICENSE

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Most of the documentation is taken from JSON::XS by Marc Lehmann

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it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1141297322_1614968490.78/0/libjson-perl-4-02000-orig-1-tar-gz/JSON-
4.02/lib/JSON/backportPP.pm
No license file was found, but licenses were detected in source scan.

use strict;
use warnings;
use Benchmark qw( cmpthese timethese );

our $VERSION = '1.00';

my $wanttime = $ARGV[1] || 5;

use JSON qw( -support_by_pp -no_export ); # for JSON::PP::Boolean inheritance
use JSON::PP ();
use JSON::XS ();
use utf8;

my $pp   = JSON::PP->new->utf8;
my $xs   = JSON::XS->new->utf8;

local $/;

my $json = <>
my $perl = JSON::XS::decode_json $json;
my $result;

printf( "JSON::PP %s\n", JSON::PP->VERSION );
printf( "JSON::XS %s\n", JSON::XS->VERSION );
print "----------------------------------\n";
print "->encode()\n";
print "----------------------------------\n";

$result = timethese( -$wanttime,
    
    
    'JSON::PP' => sub { $pp->encode( $perl ) },
    'JSON::XS' => sub { $xs->encode( $perl ) },
    
    'none'
);
cmpthese( $result );

print "----------------------------------\n";
print "->pretty->canonical->encode()\n";
print "----------------------------------\n";

$pp->pretty->canonical;
$xs->pretty->canonical;

$result = timethese( -$wanttime,
    
    
    'JSON::PP' => sub { $pp->encode( $perl ) },
    'JSON::XS' => sub { $xs->encode( $perl ) },
    
    'none'
);
cmpthese( $result );

print "----------------------------------\n";

__END__

=pod

=head1 SYNOPSIS

bench_encode.pl json-file
# or
bench_encode.pl json-file minimum-time

=head1 DESCRIPTION

L<JSON::PP> and L<JSON::XS> encoding benchmark.

=head1 AUTHOR
makamaka

=head1 LICENSE

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1141297322_1614968490.78/0/libjson-perl-4-02000-orig-1-tar-gz/JSON-4.02/eg/bench_encode.pl
No license file was found, but licenses were detected in source scan.

=head1 NAME

JSON - JSON (JavaScript Object Notation) encoder/decoder

=head1 SYNOPSIS

use JSON; # imports encode_json, decode_json, to_json and from_json.

# simple and fast interfaces (expect/generate UTF-8)

$utf8_encoded_json_text = encode_json $perl_hash_or_arrayref;
$perl_hash_or_arrayref  = decode_json $utf8_encoded_json_text;

# OO-interface

$json = JSON->new->allow_nonref;

$json_text   = $json->encode( $perl_scalar );
$perl_scalar = $json->decode( $json_text );

$pretty_printed = $json->pretty->encode( $perl_scalar ); # pretty-printing

=head1 VERSION

2.93

=head1 DESCRIPTION

This module is a thin wrapper for JSON::XS-compatible modules with a few additional features. All the backend modules convert a Perl data structure to a JSON text as of RFC4627 (which we know is obsolete but we still stick to; see below for an option to support part of RFC7159) and vice versa. This module uses JSON::XS by default, and when JSON::XS is not available, this module falls back on JSON::PP, which is in the Perl core since 5.14. If JSON::PP is not available either, this module then falls back on JSON::backportPP (which is actually JSON::PP in a different .pm file) bundled in the same distribution as this module. You can
also explicitly specify to use Cpanel::JSON::XS, a fork of JSON::XS by Reini Urban.

All these backend modules have slight incompatibilities between them, including extra features that other modules don't support, but as long as you use only common features (most important ones are described below), migration from backend to backend should be reasonably easy. For details, see each backend module you use.

CHOOSING BACKEND
This module respects an environmental variable called "PERL_JSON_BACKEND" when it decides a backend module to use. If this environmental variable is not set, it tries to load JSON::XS, and if JSON::XS is not available, it falls back on JSON::PP, and then JSON::backportPP if JSON::PP is not available either.

If you always don't want it to fall back on pure perl modules, set the variable like this ("export" may be "setenv", "set" and the likes, depending on your environment):

> export PERL_JSON_BACKEND=JSON::XS

If you prefer Cpanel::JSON::XS to JSON::XS, then:

> export PERL_JSON_BACKEND=Cpanel::JSON::XS,JSON::XS,JSON::PP

You may also want to set this variable at the top of your test files, in order not to be bothered with incompatibilities between backends (you need to wrap this in "BEGIN", and set before actually "use"-ing JSON module, as it decides its backend as soon as it's loaded):

BEGIN { $ENV{PERL_JSON_BACKEND}='JSON::backportPP'; }
use JSON;

USING OPTIONAL FEATURES
There are a few options you can set when you "use" this module:

-support_by_pp
BEGIN { $ENV{PERL_JSON_BACKEND} = 'JSON::XS' }
use JSON -support_by_pp;

my $json = JSON->new;
# escape_slash is for JSON::PP only.
$json->allow_nonref->escape_slash->encode('/');

With this option, this module loads its pure perl backend
along with its XS backend (if available), and lets the XS backend to watch if you set a flag only JSON::PP supports. When you do, the internal JSON::XS object is replaced with a newly created JSON::PP object with the setting copied from the XS object, so that you can use JSON::PP flags (and its slower "decode"/"encode" methods) from then on. In other words, this is not something that allows you to hook JSON::XS to change its behavior while keeping its speed. JSON::XS and JSON::PP objects are quite different (JSON::XS object is a blessed scalar reference, while JSON::PP object is a blessed hash reference), and can't share their internals.

To avoid needless overhead (by copying settings), you are advised not to use this option and just to use JSON::PP explicitly when you need JSON::PP features.

-convert_blessed_universally

  use JSON -convert_blessed_universally;

  my $json = JSON->new->allow_nonref->convert_blessed;
  my $object = bless {foo => 'bar'}, 'Foo';
  $json->encode($object); # => {"foo":"bar"}

JSON::XS-compatible backend modules don't encode blessed objects by default (except for their boolean values, which are typically blessed JSON::PP::Boolean objects). If you need to encode a data structure that may contain objects, you usually need to look into the structure and replace objects with alternative non-blessed values, or enable "convert_blessed" and provide a "TO_JSON" method for each object's (base) class that may be found in the structure, in order to let the methods replace the objects with whatever scalar values the methods return.

If you need to serialise data structures that may contain arbitrary objects, it's probably better to use other serialisers (such as Sereal or Storable for example), but if you do want to use this module for that purpose, "-convert_blessed_universally" option may help, which tweaks "encode" method of the backend to install "UNIVERSAL::TO_JSON" method (locally) before encoding, so that all the objects that don't have their own "TO_JSON" method can fall back on the method in the "UNIVERSAL" namespace. Note that you still need to enable "convert_blessed" flag to actually encode objects in a data structure, and "UNIVERSAL::TO_JSON" method installed by this option only converts blessed hash/array references into their unblessed clone (including private keys/values that are not supposed to be exposed). Other blessed references will be
converted into null.

This feature is experimental and may be removed in the future.

-no_export
When you don't want to import functional interfaces from a module, you usually supply "()" to its "use" statement.

use JSON (); # no functional interfaces

If you don't want to import functional interfaces, but you also want to use any of the above options, add "-no_export" to the option list.

    # no functional interfaces, while JSON::PP support is enabled.
    use JSON -support_by_pp, -no_export;

FUNCTIONAL INTERFACE
This section is taken from JSON::XS. "encode_json" and "decode_json" are exported by default.

This module also exports "to_json" and "from_json" for backward compatibility. These are slower, and may expect/generate different stuff from what "encode_json" and "decode_json" do, depending on their options. It's better just to use Object-Oriented interfaces than using these two functions.

encode_json

    $json_text = encode_json $perl_scalar

Converts the given Perl data structure to a UTF-8 encoded, binary string (that is, the string contains octets only). Croaks on error.

This function call is functionally identical to:

    $json_text = JSON->new->utf8->encode($perl_scalar)

Except being faster.

decode_json

    $perl_scalar = decode_json $json_text

The opposite of "encode_json": expects an UTF-8 (binary) string and tries to parse that as an UTF-8 encoded JSON text, returning the resulting reference. Croaks on error.

This function call is functionally identical to:
$perl_scalar = JSON->new->utf8->decode($json_text)

Except being faster.

to_json

$json_text = to_json($perl_scalar[, $optional_hashref])

Converts the given Perl data structure to a Unicode string by
default. Croaks on error.

Basically, this function call is functionally identical to:

$json_text = JSON->new->encode($perl_scalar)

Except being slower.

You can pass an optional hash reference to modify its behavior,
but that may change what "to_json" expects/generates (see
"ENCODING/CODESET FLAG NOTES" for details).

$json_text = to_json($perl_scalar, [utf8 => 1, pretty => 1])
# => JSON->new->utf8(1)->pretty(1)->encode($perl_scalar)

from_json

$perl_scalar = from_json($json_text[, $optional_hashref])

The opposite of "to_json": expects a Unicode string and tries to
parse it, returning the resulting reference. Croaks on error.

Basically, this function call is functionally identical to:

$perl_scalar = JSON->new->decode($json_text)

You can pass an optional hash reference to modify its behavior,
but that may change what "from_json" expects/generates (see
"ENCODING/CODESET FLAG NOTES" for details).

$perl_scalar = from_json($json_text, [utf8 => 1])
# => JSON->new->utf8(1)->decode($json_text)

JSON::is_bool

$is_boolean = JSON::is_bool($scalar)

Returns true if the passed scalar represents either JSON::true or
JSON::false, two constants that act like 1 and 0 respectively and
are also used to represent JSON "true" and "false" in Perl
strings.
See MAPPING, below, for more information on how JSON values are mapped to Perl.

COMMON OBJECT-ORIENTED INTERFACE
This section is also taken from JSON::XS.

The object oriented interface lets you configure your own encoding or decoding style, within the limits of supported formats.

new
    $json = JSON->new

Creates a new JSON::XS-compatible backend object that can be used to de/encode JSON strings. All boolean flags described below are by default *disabled*.

The mutators for flags all return the backend object again and thus calls can be chained:

    my $json = JSON->new->utf8->space_after->encode({a => [1,2]})
    => {"a": [1, 2]}

ascii
    $json = $json->ascii([$enable])

    $enabled = $json->get_ascii

If $enable is true (or missing), then the "encode" method will not generate characters outside the code range 0..127 (which is ASCII). Any Unicode characters outside that range will be escaped using either a single \uXXXX (BMP characters) or a double \uHHHH\uLLLLL escape sequence, as per RFC4627. The resulting encoded JSON text can be treated as a native Unicode string, an ascii-encoded, latin1-encoded or UTF-8 encoded string, or any other superset of ASCII.

If $enable is false, then the "encode" method will not escape Unicode characters unless required by the JSON syntax or other flags. This results in a faster and more compact format.

See also the section *ENCODING/ CODESET FLAG NOTES* later in this document.

The main use for this flag is to produce JSON texts that can be transmitted over a 7-bit channel, as the encoded JSON texts will not contain any 8 bit characters.
JSON->new->ascii(1)->encode([chr 0x10401])
=> ["\ud801\udec01"]

latin1
$json = $json->latin1([$enable])
$enabled = $json->get_latin1

If $enable is true (or missing), then the "encode" method will encode the resulting JSON text as latin1 (or iso-8859-1), escaping any characters outside the code range 0..255. The resulting string can be treated as a latin1-encoded JSON text or a native Unicode string. The "decode" method will not be affected in any way by this flag, as "decode" by default expects Unicode, which is a strict superset of latin1.

If $enable is false, then the "encode" method will not escape Unicode characters unless required by the JSON syntax or other flags.

See also the section *ENCODING/CODESET FLAG NOTES* later in this document.

The main use for this flag is efficiently encoding binary data as JSON text, as most octets will not be escaped, resulting in a smaller encoded size. The disadvantage is that the resulting JSON text is encoded in latin1 (and must correctly be treated as such when storing and transferring), a rare encoding for JSON. It is therefore most useful when you want to store data structures known to contain binary data efficiently in files or databases, not when talking to other JSON encoders/decoders.

utf8
$json = $json->utf8([$enable])
$enabled = $json->get_utf8

If $enable is true (or missing), then the "encode" method will encode the JSON result into UTF-8, as required by many protocols, while the "decode" method expects to be handled an UTF-8-encoded string. Please note that UTF-8-encoded strings do not contain any characters outside the range 0..255, they are thus useful for bytewise/binary I/O. In future versions, enabling this option might enable autodetection of the UTF-16 and UTF-32 encoding families, as described in RFC4627.
If $enable is false, then the "encode" method will return the JSON string as a (non-encoded) Unicode string, while "decode" expects thus a Unicode string. Any decoding or encoding (e.g. to UTF-8 or UTF-16) needs to be done yourself, e.g. using the Encode module.

See also the section *ENCODING/CODESET FLAG NOTES* later in this document.

Example, output UTF-16BE-encoded JSON:

```perl
use Encode;
$jsontext = encode "UTF-16BE", JSON->new->encode ($object);
```

Example, decode UTF-32LE-encoded JSON:

```perl
use Encode;
$object = JSON->new->decode (decode "UTF-32LE", $jsontext);
```

pretty

$json = $json->pretty([$enable])

This enables (or disables) all of the "indent", "space_before" and "space_after" (and in the future possibly more) flags in one call to generate the most readable (or most compact) form possible.

indent

$json = $json->indent([$enable])

$enabled = $json->get_indent

If $enable is true (or missing), then the "encode" method will use a multiline format as output, putting every array member or object/hash key-value pair into its own line, indenting them properly.

If $enable is false, no newlines or indenting will be produced, and the resulting JSON text is guaranteed not to contain any "newlines".

This setting has no effect when decoding JSON texts.

space_before

$json = $json->space_before([$enable])

$enabled = $json->get_space_before

If $enable is true (or missing), then the "encode" method will add
an extra optional space before the ":" separating keys from values in JSON objects.

If $enable is false, then the "encode" method will not add any extra space at those places.

This setting has no effect when decoding JSON texts. You will also most likely combine this setting with "space_after".

Example, space_before enabled, space_after and indent disabled:

{"key": "value"}

space_after
$json = $json->space_after([$enable])

$enabled = $json->get_space_after

If $enable is true (or missing), then the "encode" method will add an extra optional space after the ":" separating keys from values in JSON objects and extra whitespace after the "," separating key-value pairs and array members.

If $enable is false, then the "encode" method will not add any extra space at those places.

This setting has no effect when decoding JSON texts.

Example, space_before and indent disabled, space_after enabled:

{"key": "value"}

relaxed
$json = $json->relaxed([$enable])

$enabled = $json->get_relaxed

If $enable is true (or missing), then "decode" will accept some extensions to normal JSON syntax (see below). "encode" will not be affected in anyway. *Be aware that this option makes you accept invalid JSON texts as if they were valid!* I suggest only to use this option to parse application-specific files written by humans (configuration files, resource files etc.)

If $enable is false (the default), then "decode" will only accept valid JSON texts.

Currently accepted extensions are:
* list items can have an end-comma

JSON *separates* array elements and key-value pairs with commas. This can be annoying if you write JSON texts manually and want to be able to quickly append elements, so this extension accepts comma at the end of such items not just between them:

```json
[
  1,
  2, <- this comma not normally allowed
]
{
  "k1": "v1",
  "k2": "v2", <- this comma not normally allowed
}
```

* shell-style '#'-comments

Whenever JSON allows whitespace, shell-style comments are additionally allowed. They are terminated by the first carriage-return or line-feed character, after which more white-space and comments are allowed.

```json
[
  1, # this comment not allowed in JSON
  # neither this one...
]
```

canonical

$json = $json->canonical([$enable])

$enabled = $json->get_canonical

If $enable is true (or missing), then the "encode" method will output JSON objects by sorting their keys. This is adding a comparatively high overhead.

If $enable is false, then the "encode" method will output key-value pairs in the order Perl stores them (which will likely change between runs of the same script, and can change even within the same run from 5.18 onwards).

This option is useful if you want the same data structure to be encoded as the same JSON text (given the same overall settings). If it is disabled, the same hash might be encoded differently even if contains the same data, as key-value pairs have no inherent
ordering in Perl.

This setting has no effect when decoding JSON texts.

This setting has currently no effect on tied hashes.

allow_nonref

```perl
$json = $json->allow_nonref([$enable])
```

```perl
$enabled = $json->get_allow_nonref
```

If $enable is true (or missing), then the "encode" method can convert a non-reference into its corresponding string, number or null JSON value, which is an extension to RFC4627. Likewise, "decode" will accept those JSON values instead of croaking.

If $enable is false, then the "encode" method will croak if it isn't passed an arrayref or hashref, as JSON texts must either be an object or array. Likewise, "decode" will croak if given something that is not a JSON object or array.

Example, encode a Perl scalar as JSON value with enabled "allow_nonref", resulting in an invalid JSON text:

```perl
JSON->new->allow_nonref->encode("Hello, World!")
=> "Hello, World!"
```

allow_unknown

```perl
$json = $json->allow_unknown([$enable])
```

```perl
$enabled = $json->get_allow_unknown
```

If $enable is true (or missing), then "encode" will *not* throw an exception when it encounters values it cannot represent in JSON (for example, filehandles) but instead will encode a JSON "null" value. Note that blessed objects are not included here and are handled separately by `allow_nonref`.

If $enable is false (the default), then "encode" will throw an exception when it encounters anything it cannot encode as JSON.

This option does not affect "decode" in any way, and it is recommended to leave it off unless you know your communications partner.

allow_blessed

```perl
$json = $json->allow_blessed([$enable])
```
$enabled = $json->get_allow_blessed

See "OBJECT SERIALISATION" for details.

If $enable is true (or missing), then the "encode" method will not barf when it encounters a blessed reference that it cannot convert otherwise. Instead, a JSON "null" value is encoded instead of the object.

If $enable is false (the default), then "encode" will throw an exception when it encounters a blessed object that it cannot convert otherwise.

This setting has no effect on "decode".

convert_blessed

$json = $json->convert_blessed([$enable])

$enabled = $json->get_convert_blessed

See "OBJECT SERIALISATION" for details.

If $enable is true (or missing), then "encode", upon encountering a blessed object, will check for the availability of the "TO_JSON" method on the object's class. If found, it will be called in scalar context and the resulting scalar will be encoded instead of the object.

The "TO_JSON" method may safely call die if it wants. If "TO_JSON" returns other blessed objects, those will be handled in the same way. "TO_JSON" must take care of not causing an endless recursion cycle (== crash) in this case. The name of "TO_JSON" was chosen because other methods called by the Perl core (== not by the user of the object) are usually in upper case letters and to avoid collisions with any "to_json" function or method.

If $enable is false (the default), then "encode" will not consider this type of conversion.

This setting has no effect on "decode".

filter_json_object

$json = $json->filter_json_object([$coderef])

When $coderef is specified, it will be called from "decode" each time it decodes a JSON object. The only argument is a reference to the newly-created hash. If the code references returns a single scalar (which need not be a reference), this value (i.e. a copy of
that scalar to avoid aliasing) is inserted into the deserialised
data structure. If it returns an empty list (NOTE: *not* "undef",
which is a valid scalar), the original deserialised hash will be
inserted. This setting can slow down decoding considerably.

When $coderef is omitted or undefined, any existing callback will
be removed and "decode" will not change the deserialised hash in
any way.

Example, convert all JSON objects into the integer 5:

    my $js = JSON->new->filter_json_object (sub { 5 });
    # returns [5]
    $js->decode ('[{}]'); # the given subroutine takes a hash reference.
    # throw an exception because allow_nonref is not enabled
    # so a lone 5 is not allowed.
    $js->decode ('{"a":1, "b":2"}');

filter_json_single_key_object
    $json = $json->filter_json_single_key_object($key => $coderef)

Works remotely similar to "filter_json_object", but is only called
for JSON objects having a single key named $key.

This $coderef is called before the one specified via
"filter_json_object", if any. It gets passed the single value in
the JSON object. If it returns a single value, it will be inserted
into the data structure. If it returns nothing (not even "undef"
but the empty list), the callback from "filter_json_object" will
be called next, as if no single-key callback were specified.

If $coderef is omitted or undefined, the corresponding callback
will be disabled. There can only ever be one callback for a given
key.

As this callback gets called less often then the
"filter_json_object" one, decoding speed will not usually suffer
as much. Therefore, single-key objects make excellent targets to
serialise Perl objects into, especially as single-key JSON objects
are as close to the type-tagged value concept as JSON gets (it's
basically an ID/VALUE tuple). Of course, JSON does not support
this in any way, so you need to make sure your data never looks
like a serialised Perl hash.

Typical names for the single object key are "__class_whatever__",
or "$__dollars_are_rarely_used__$" or "}ugly_brace_placement", or
even things like "__class_md5sum(classname)__", to reduce the risk
of clashing with real hashes.
Example, decode JSON objects of the form "{"__widget__" => <id>}
" into the corresponding $WIDGET{<id>} object:

```perl
# return whatever is in $WIDGET{5}:
JSON
->new
->filter_json_single_key_object (__widget__ => sub {
   $WIDGET{$_[0]}
})
->decode ('{"__widget__": 5}')
```

# this can be used with a TO_JSON method in some "widget" class
# for serialisation to json:
sub WidgetBase::TO_JSON {
   my ($self) = @_;

   unless ($self->{id}) {
      $self->{id} = ..get..some..id;;
      $WIDGET{$self->{id}} = $self;
   }

   { __widget__ => $self->{id} }
}

max_depth
$json = $json->max_depth([$maximum_nesting_depth])

$max_depth = $json->get_max_depth

Sets the maximum nesting level (default 512) accepted while encoding or decoding. If a higher nesting level is detected in JSON text or a Perl data structure, then the encoder and decoder will stop and croak at that point.

Nesting level is defined by number of hash- or arrayrefs that the encoder needs to traverse to reach a given point or the number of "{" or "["] characters without their matching closing parenthesis crossed to reach a given character in a string.

Setting the maximum depth to one disallows any nesting, so that ensures that the object is only a single hash/object or array.

If no argument is given, the highest possible setting will be used, which is rarely useful.

max_size
$json = $json->max_size([$maximum_string_size])
$max_{size} = \$json->get_max_{size}

Set the maximum length a JSON text may have (in bytes) where decoding is being attempted. The default is 0, meaning no limit. When "decode" is called on a string that is longer than this many bytes, it will not attempt to decode the string but throw an exception. This setting has no effect on "encode" (yet).

If no argument is given, the limit check will be deactivated (same as when 0 is specified).

encode

\$json_{text} = \$json->encode(\$perl_{scalar})

Converts the given Perl value or data structure to its JSON representation. Croaks on error.

decode

\$perl_{scalar} = \$json->decode(\$json_{text})

The opposite of "encode": expects a JSON text and tries to parse it, returning the resulting simple scalar or reference. Croaks on error.

decode_{prefix}

(\$perl_{scalar}, \$characters) = \$json->decode_{prefix}(\$json_{text})

This works like the "decode" method, but instead of raising an exception when there is trailing garbage after the first JSON object, it will silently stop parsing there and return the number of characters consumed so far.

This is useful if your JSON texts are not delimited by an outer protocol and you need to know where the JSON text ends.

\texttt{JSON->new->decode_{prefix} ("[1] the tail")}
\texttt{=> ([1], 3)}

ADDITIONAL METHODS
The following methods are for this module only.

backend

\$backend = \$json->backend

Since 2.92, "backend" method returns an abstract backend module used currently, which should be JSON::Backend::XS (which inherits JSON::XS or Cpanel::JSON::XS), or JSON::Backend::PP (which
inherits JSON::PP), not to monkey-patch the actual backend module globally.

If you need to know what is used actually, use "isa", instead of string comparison.

is_xs

$boolean = $json->is_xs

Returns true if the backend inherits JSON::XS or Cpanel::JSON::XS.

is_pp

$boolean = $json->is_pp

Returns true if the backend inherits JSON::PP.

property

$settings = $json->property()

Returns a reference to a hash that holds all the common flag settings.

$json = $json->property('utf8' => 1)
$value = $json->property('utf8') # 1

You can use this to get/set a value of a particular flag.

INCREMENTAL PARSING
This section is also taken from JSON::XS.

In some cases, there is the need for incremental parsing of JSON texts. While this module always has to keep both JSON text and resulting Perl data structure in memory at one time, it does allow you to parse a JSON stream incrementally. It does so by accumulating text until it has a full JSON object, which it then can decode. This process is similar to using "decode_prefix" to see if a full JSON object is available, but is much more efficient (and can be implemented with a minimum of method calls).

This module will only attempt to parse the JSON text once it is sure it has enough text to get a decisive result, using a very simple but truly incremental parser. This means that it sometimes won't stop as early as the full parser, for example, it doesn't detect mismatched parentheses. The only thing it guarantees is that it starts decoding as soon as a syntactically valid JSON text has been seen. This means you need to set resource limits (e.g. "max_size") to ensure the parser will stop parsing in the presence if syntax errors.
The following methods implement this incremental parser.

incr_parse

$json->incr_parse( [$string] ) # void context

$obj_or_undef = $json->incr_parse( [$string] ) # scalar context

@obj_or_empty = $json->incr_parse( [$string] ) # list context

This is the central parsing function. It can both append new text and extract objects from the stream accumulated so far (both of these functions are optional).

If $string is given, then this string is appended to the already existing JSON fragment stored in the $json object.

After that, if the function is called in void context, it will simply return without doing anything further. This can be used to add more text in as many chunks as you want.

If the method is called in scalar context, then it will try to extract exactly *one* JSON object. If that is successful, it will return this object, otherwise it will return "undef". If there is a parse error, this method will croak just as "decode" would do (one can then use "incr_skip" to skip the erroneous part). This is the most common way of using the method.

And finally, in list context, it will try to extract as many objects from the stream as it can find and return them, or the empty list otherwise. For this to work, there must be no separators (other than whitespace) between the JSON objects or arrays, instead they must be concatenated back-to-back. If an error occurs, an exception will be raised as in the scalar context case. Note that in this case, any previously-parsed JSON texts will be lost.

Example: Parse some JSON arrays/objects in a given string and return them.

my @objs = JSON->new->incr_parse ("[5][7][1,2]");

incr_text

$lvalue_string = $json->incr_text

This method returns the currently stored JSON fragment as an lvalue, that is, you can manipulate it. This *only* works when a preceding call to "incr_parse" in *scalar context* successfully
returned an object. Under all other circumstances you must not call this function (I mean it. although in simple tests it might actually work, it *will* fail under real world conditions). As a special exception, you can also call this method before having parsed anything.

That means you can only use this function to look at or manipulate text before or after complete JSON objects, not while the parser is in the middle of parsing a JSON object.

This function is useful in two cases: a) finding the trailing text after a JSON object or b) parsing multiple JSON objects separated by non-JSON text (such as commas).

incr_skip
$json->incr_skip

This will reset the state of the incremental parser and will remove the parsed text from the input buffer so far. This is useful after "incr_parse" died, in which case the input buffer and incremental parser state is left unchanged, to skip the text parsed so far and to reset the parse state.

The difference to "incr_reset" is that only text until the parse error occurred is removed.

incr_reset
$json->incr_reset

This completely resets the incremental parser, that is, after this call, it will be as if the parser had never parsed anything.

This is useful if you want to repeatedly parse JSON objects and want to ignore any trailing data, which means you have to reset the parser after each successful decode.

MAPPING
Most of this section is also taken from JSON::XS.

This section describes how the backend modules map Perl values to JSON values and vice versa. These mappings are designed to "do the right thing" in most circumstances automatically, preserving round-tripping characteristics (what you put in comes out as something equivalent).

For the more enlightened: note that in the following descriptions, lowercase *perl* refers to the Perl interpreter, while uppercase *Perl* refers to the abstract Perl language itself.
JSON -> PERL

object
A JSON object becomes a reference to a hash in Perl. No ordering of object keys is preserved (JSON does not preserve object key ordering itself).

array
A JSON array becomes a reference to an array in Perl.

string
A JSON string becomes a string scalar in Perl - Unicode codepoints in JSON are represented by the same codepoints in the Perl string, so no manual decoding is necessary.

number
A JSON number becomes either an integer, numeric (floating point) or string scalar in perl, depending on its range and any fractional parts. On the Perl level, there is no difference between those as Perl handles all the conversion details, but an integer may take slightly less memory and might represent more values exactly than floating point numbers.

If the number consists of digits only, this module will try to represent it as an integer value. If that fails, it will try to represent it as a numeric (floating point) value if that is possible without loss of precision. Otherwise it will preserve the number as a string value (in which case you lose roundtripping ability, as the JSON number will be re-encoded to a JSON string).

Numbers containing a fractional or exponential part will always be represented as numeric (floating point) values, possibly at a loss of precision (in which case you might lose perfect roundtripping ability, but the JSON number will still be re-encoded as a JSON number).

Note that precision is not accuracy - binary floating point values cannot represent most decimal fractions exactly, and when converting from and to floating point, this module only guarantees precision up to but not including the least significant bit.

true, false
These JSON atoms become "JSON::true" and "JSON::false", respectively. They are overloaded to act almost exactly like the numbers 1 and 0. You can check whether a scalar is a JSON
boolean by using the "JSON::is_bool" function.

null

A JSON null atom becomes "undef" in Perl.

shell-style comments ("# *text*")

As a nonstandard extension to the JSON syntax that is enabled by the "relaxed" setting, shell-style comments are allowed. They can start anywhere outside strings and go till the end of the line.

PERL -> JSON
The mapping from Perl to JSON is slightly more difficult, as Perl is a truly typeless language, so we can only guess which JSON type is meant by a Perl value.

hash references
Perl hash references become JSON objects. As there is no inherent ordering in hash keys (or JSON objects), they will usually be encoded in a pseudo-random order. This module can optionally sort the hash keys (determined by the *canonical* flag), so the same data structure will serialise to the same JSON text (given same settings and version of the same backend), but this incurs a runtime overhead and is only rarely useful, e.g. when you want to compare some JSON text against another for equality.

array references
Perl array references become JSON arrays.

other references
Other unblessed references are generally not allowed and will cause an exception to be thrown, except for references to the integers 0 and 1, which get turned into "false" and "true" atoms in JSON. You can also use "JSON::false" and "JSON::true" to improve readability.

    encode_json [0,JSON::true]      # yields [false,true]

JSON::true, JSON::false, JSON::null
These special values become JSON true and JSON false values, respectively. You can also use "\1" and "\0" directly if you want.

blessed objects
Blessed objects are not directly representable in JSON, but "JSON::XS" allows various ways of handling objects. See "OBJECT SERIALISATION", below, for details.
Simple scalars

Simple Perl scalars (any scalar that is not a reference) are the most difficult objects to encode: this module will encode undefined scalars as JSON "null" values, scalars that have last been used in a string context before encoding as JSON strings, and anything else as number value:

```
# dump as number
encode_json [-3.0e17]                # yields [-3e+17]
my $value = 5; encode_json [$value]  # yields [5]
```

```
# used as string, so dump as string
print $value;
encode_json [$value]                 # yields ["5"]
```

```
# undef becomes null
encode_json [undef]                  # yields [null]
```

You can force the type to be a string by stringifying it:

```
my $x = 3.1; # some variable containing a number
"$x";       # stringified
$x .= "";   # another, more awkward way to stringify
print $x;   # perl does it for you, too, quite often
```

You can force the type to be a number by numifying it:

```
my $x = "3"; # some variable containing a string
$x += 0;    # numify it, ensuring it will be dumped as a number
$x * 1;     # same thing, the choice is yours.
```

You can not currently force the type in other, less obscure, ways. Tell me if you need this capability (but don't forget to explain why it's needed :).

Note that numerical precision has the same meaning as under Perl (so binary to decimal conversion follows the same rules as in Perl, which can differ to other languages). Also, your perl interpreter might expose extensions to the floating point numbers of your platform, such as infinities or NaN's - these cannot be represented in JSON, and it is an error to pass those in.

OBJECT SERIALISATION

As for Perl objects, this module only supports a pure JSON representation (without the ability to deserialise the object.
SERIALISATION
What happens when this module encounters a Perl object depends on the "allow_blessed" and "convert_blessed" settings, which are used in this order:

1. "convert_blessed" is enabled and the object has a "TO_JSON" method.
   In this case, the "TO_JSON" method of the object is invoked in scalar context. It must return a single scalar that can be directly encoded into JSON. This scalar replaces the object in the JSON text.

   For example, the following "TO_JSON" method will convert all URI objects to JSON strings when serialised. The fact that these values originally were URI objects is lost.

     sub URI::TO_JSON { my ($uri) = @_; $uri->as_string }  

   2. "allow_blessed" is enabled.
      The object will be serialised as a JSON null value.

   3. none of the above
      If none of the settings are enabled or the respective methods are missing, this module throws an exception.

ENCODING/CODESET FLAG NOTES
This section is taken from JSON::XS.

The interested reader might have seen a number of flags that signify encodings or codesets - "utf8", "latin1" and "ascii". There seems to be some confusion on what these do, so here is a short comparison:

"utf8" controls whether the JSON text created by "encode" (and expected by "decode") is UTF-8 encoded or not, while "latin1" and "ascii" only control whether "encode" escapes character values outside their respective codeset range. Neither of these flags conflict with each other, although some combinations make less sense than others.

Care has been taken to make all flags symmetrical with respect to "encode" and "decode", that is, texts encoded with any combination of these flag values will be correctly decoded when the same flags
are used - in general, if you use different flag settings while encoding vs. when decoding you likely have a bug somewhere.

Below comes a verbose discussion of these flags. Note that a "codeset" is simply an abstract set of character-codepoint pairs, while an encoding takes those codepoint numbers and *encodes* them, in our case into octets. Unicode is (among other things) a codeset, UTF-8 is an encoding, and ISO-8859-1 (= latin 1) and ASCII are both codesets *and* encodings at the same time, which can be confusing.

"utf8" flag disabled
When "utf8" is disabled (the default), then "encode"/"decode" generate and expect Unicode strings, that is, characters with high ordinal Unicode values (> 255) will be encoded as such characters, and likewise such characters are decoded as-is, no changes to them will be done, except "(re-)interpreting" them as Unicode codepoints or Unicode characters, respectively (to Perl, these are the same thing in strings unless you do funny/weird/dumb stuff).

This is useful when you want to do the encoding yourself (e.g. when you want to have UTF-16 encoded JSON texts) or when some other layer does the encoding for you (for example, when printing to a terminal using a filehandle that transparently encodes to UTF-8 you certainly do NOT want to UTF-8 encode your data first and have Perl encode it another time).

"utf8" flag enabled
If the "utf8"-flag is enabled, "encode"/"decode" will encode all characters using the corresponding UTF-8 multi-byte sequence, and will expect your input strings to be encoded as UTF-8, that is, no "character" of the input string must have any value > 255, as UTF-8 does not allow that.

The "utf8" flag therefore switches between two modes: disabled means you will get a Unicode string in Perl, enabled means you get an UTF-8 encoded octet/binary string in Perl.

"latin1" or "ascii" flags enabled
With "latin1" (or "ascii") enabled, "encode" will escape characters with ordinal values > 255 (> 127 with "ascii") and encode the remaining characters as specified by the "utf8" flag.

If "utf8" is disabled, then the result is also correctly encoded in those character sets (as both are proper subsets of Unicode, meaning that a Unicode string with all character
values < 256 is the same thing as a ISO-8859-1 string, and a Unicode string with all character values < 128 is the same thing as an ASCII string in Perl).

If "utf8" is enabled, you still get a correct UTF-8-encoded string, regardless of these flags, just some more characters will be escaped using "\uXXXX" then before.

Note that ISO-8859-1-encoded strings are not compatible with UTF-8 encoding, while ASCII-encoded strings are. That is because the ISO-8859-1 encoding is NOT a subset of UTF-8 (despite the ISO-8859-1 *codeset* being a subset of Unicode), while ASCII is.

Surprisingly, "decode" will ignore these flags and so treat all input values as governed by the "utf8" flag. If it is disabled, this allows you to decode ISO-8859-1- and ASCII-encoded strings, as both strict subsets of Unicode. If it is enabled, you can correctly decode UTF-8 encoded strings.

So neither "latin1" nor "ascii" are incompatible with the "utf8" flag - they only govern when the JSON output engine escapes a character or not.

The main use for "latin1" is to relatively efficiently store binary data as JSON, at the expense of breaking compatibility with most JSON decoders.

The main use for "ascii" is to force the output to not contain characters with values > 127, which means you can interpret the resulting string as UTF-8, ISO-8859-1, ASCII, KOI8-R or most about any character set and 8-bit-encoding, and still get the same data structure back. This is useful when your channel for JSON transfer is not 8-bit clean or the encoding might be mangled in between (e.g. in mail), and works because ASCII is a proper subset of most 8-bit and multibyte encodings in use in the world.

**BACKWARD INCOMPATIBILITY**

Since version 2.90, stringification (and string comparison) for "JSON::true" and "JSON::false" has not been overloaded. It shouldn't matter as long as you treat them as boolean values, but a code that expects they are stringified as "true" or "false" doesn't work as you have expected any more.

```perl
if (JSON::true eq 'true') { # now fails
  print "The result is $JSON::true now."; # => The result is 1 now.
```
And now these boolean values don't inherit JSON::Boolean, either.
When you need to test a value is a JSON boolean value or not, use
"JSON::is_bool" function, instead of testing the value inherits a
particular boolean class or not.

BUGS
Please report bugs on backend selection and additional features
this module provides to RT or GitHub issues for this module:

https://rt.cpan.org/Public/Dist/Display.html?Queue=JSON
https://github.com/makamaka/JSON/issues

Please report bugs and feature requests on decoding/encoding and
boolean behaviors to the author of the backend module you are
using.

SEE ALSO
JSON::XS, Cpanel::JSON::XS, JSON::PP for backends.

JSON::MaybeXS, an alternative that prefers Cpanel::JSON::XS.

"RFC4627"(<http://www.ietf.org/rfc/rfc4627.txt>)

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configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: JSON
no_index:
directory:
  - t
  - inc
recommends:
  JSON::XS: '2.34'
requires:
  Test::More: '0'
resources:
  bugtracker: https://github.com/makamaka/JSON/issues
  repository: https://github.com/makamaka/JSON
  version: '4.02'
x_serialization_backend: 'CPAN::Meta::YAML version 0.012'

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=pod

=head1 NAME

JSON::PP5005 - Helper module in using JSON::PP in Perl 5.005

=head1 DESCRIPTION

JSON::PP calls internally.

=head1 AUTHOR

Makamaka Hannyaharamitu, E<lt>makamaka[at]cpan.orgE<gt>

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1.187 kerby-asn1 2.0.0

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JUnit

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- web-app_3_0.xsd
- web-common_3_0.xsd
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- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=aarch64-- | FileCheck %s

; A shuffle mask with all undef elements is always legal.

define <4 x i32> @PR41535(<2 x i32> %p1, <2 x i32> %p2) {
; CHECK-LABEL: PR41535:
; CHECK:       // %bb.0:
; CHECK-NEXT:  ext v0.8b, v0.8b, v1.8b, #4
; CHECK-NEXT:  mov v0.d[1], v0.d[0]
; CHECK-NEXT:  ret
%cat1 = shufflevector <2 x i32> %p1, <2 x i32> undef, <4 x i32> <i32 undef, i32 1, i32 undef, i32 undef>
%cat2 = shufflevector <2 x i32> %p2, <2 x i32> undef, <4 x i32> <i32 0, i32 undef, i32 undef, i32 undef>
%r = shufflevector <4 x i32> %cat1, <4 x i32> %cat2, <4 x i32> <i32 undef, i32 undef, i32 1, i32 4>
ret <4 x i32> %r
}
; RUN: llc < %s -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*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%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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define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
  ; 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
  ; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
  ; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

  ; Next, convert each to double.
  ; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
  ; 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, 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
}

; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; 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) {
    ; CHECK-LABEL: TestSelect:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    pushq %rbx
    ; CHECK-NEXT:    .cfi_def_cfa_offset 16
    ; CHECK-NEXT:    subq $32, %rsp
    ; CHECK-NEXT:    .cfi_def_cfa_offset 48
    ; CHECK-NEXT:    .cfi_offset %rbx, -16
    ; CHECK-NEXT:    movaps %xmm1, {[[-0-9]+]}(%r{{[sb]}}p) # 16-byte Spill
    ; CHECK-NEXT:    movaps %xmm0, (%rsp) # 16-byte Spill
    ; CHECK-NEXT:    callq __gttf2
    ; CHECK-NEXT:    movl %eax, %ebx
    ; CHECK-NEXT:    movaps (%rsp), %xmm0 # 16-byte Reload
    ; CHECK-NEXT:    movaps {[[-0-9]+]}(%r{{[sb]}}p), %xmm1 # 16-byte Reload
    ; CHECK-NEXT:    callq __subtf3
    ; CHECK-NEXT:    testl %ebx, %ebx
    ; CHECK-NEXT:    jg .LBB0_2
    ; %bb.1:
    ; CHECK-NEXT:    xorps %xmm0, %xmm0
    ; CHECK-NEXT:    retq %rbx
    ; CHECK-NEXT:    .cfi_def_cfa_offset 8
    ; CHECK-NEXT:    retq

    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
    ; CHECK-LABEL: TestFabs:
    ; CHECK:       # %bb.0:
define fp128 @TestCopysign(fp128 %a, fp128 %b) {
    ; CHECK-LABEL: TestCopysign:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:   andps {{.*}}(%rip), %xmm0
    ; CHECK-NEXT:   andps {{.*}}(%rip), %xmm1
    ; CHECK-NEXT:   orps %xmm1, %xmm0
    ; CHECK-NEXT:   retq
    %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
    ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
    ; CHECK-LABEL: TestFneg:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:   pushq %rax
    ; CHECK-NEXT:   .cfi_def_cfa_offset 16
    ; CHECK-NEXT:   movaps %xmm0, %xmm1
    ; CHECK-NEXT:   callq __multf3
    ; CHECK-NEXT:   xorps {{.*}}(%rip), %xmm0
    ; CHECK-NEXT:   popq %rax
    ; CHECK-NEXT:   .cfi_def_cfa_offset 8
    ; CHECK-NEXT:   retq
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL0000000000000000800000000000000000000000000000000, %mul
    ret fp128 %res
}

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; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
ret void
}

Open Source Used In Branch Migration Tool 1.9  1876
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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; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "i686:unknown:unknown"

; 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]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %11 = inttoptr i32 %[[M4]] 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
}

@goo = global i8* undef
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* 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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==============================================================================

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NOTE: Assertions have been autogenerated by utils/update_test_checks.py UTC_ARGS: --function-signature --scrub-attributes

RUN: opt -S -argpromotion < %s | FileCheck %s
RUN: opt -S -passes=argpromotion < %s | FileCheck %s
Test that we only promote arguments when the caller/callee have compatible function attributes.

target triple = "x86_64-unknown-linux-gnu"

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #0 {
  CHECK-LABEL: define \{[^@]+\}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
  CHECK-NEXT: ret void

bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  CHECK-LABEL: define \{[^@]+\}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
  CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  CHECK-NEXT: ret void

bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
  ; CHECK-LABEL: declare internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64>* [[ARG1_VAL:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
  ; CHECK-NEXT: ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
  ; CHECK-LABEL: define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  ; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  ; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
  ; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  ; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  ; CHECK-NEXT: ret void

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2

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ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg) #1 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg) #0 {
; CHECK-LABEL: define {{[^@]+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x
i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg,
<8 x i64>* readonly %arg) #0 {
define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
  bb:
  CHECK-NEXT: store <8 x i64> [[ARG1_VAL:%.*]], <8 x i64>* [[ARG]]
  CHECK-NEXT: ret void

  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
  bb:
  CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* [[TMP2]], <8 x i64>* [[TMP_VAL]])
  CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  CHECK-NEXT: ret void

  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
  bb:
  CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]]
  CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]]
  CHECK-NEXT: ret void
}
; bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
  CHECK-LABEL: define @avx512_legal256_prefer256_call_avx512_legal512_prefer256
  CHECK-SAME: (<8 x i64>* [[ARG:.]])
  CHECK-NEXT: bb:
    [[TMP:.]] = alloca <8 x i64>, align 32
    [[TMP2:.]] = alloca <8 x i64>, align 32
    [[TMP3:.]] = bitcast <8 x i64>* [[TMP]] to i8*
    CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
    CHECK-NEXT: call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64>* [[TMP]])
    CHECK-NEXT: [[TMP4:.]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
    store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
    CHECK-NEXT: ret void
  bb:
    %tmp = alloca <8 x i64>, align 32
    %tmp2 = alloca <8 x i64>, align 32
    %tmp3 = bitcast <8 x i64>* %tmp to i8*
    call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
    call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
    %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
    store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
    ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #2 {
  CHECK-LABEL: define @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
  CHECK-SAME: (<8 x i64>* [[ARG:.]], <8 x i64>* readonly [[ARG1:.]])
  CHECK-NEXT: bb:
    [[TMP:.]] = load <8 x i64>, <8 x i64>* [[ARG1]]
    CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]]
    CHECK-NEXT: ret void
  bb:
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}
define void @avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg) #1 {
; CHECK-LABEL: define {{[^@]+}} @avx512_legal512_prefer256_call_avx512_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* [[TMP2]], <8 x i64>* [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

; This should promote
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #3 {
; CHECK-LABEL: define {{[^@]+}} @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void

};
define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg) #4 {
; CHECK-LABEL: define {{[^@]+}} @avx2_legal256_prefer256_call_avx2_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32

; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

; If the arguments are scalar, its ok to promote.
define internal i32 @scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* %X, i32* %Y) #2 {
  ; CHECK-LABEL: define
  {[^*]+}@scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (i32 [[X_VAL:%.*]], i32 [[Y_VAL:%.*]])
  ; CHECK-NEXT: [[C:%.*]] = add i32 [[X_VAL]], [[Y_VAL]]
  ; CHECK-NEXT: ret i32 [[C]]

  %A = load i32, i32* %X
  %B = load i32, i32* %Y
  %C = add i32 %A, %B
  ret i32 %C
}
define i32 @scalar_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* %B) #2 {
  ; CHECK-LABEL: define {[^*]+}@scalar_avx512_legal256_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (i32* [[B:%.*]])
  ; CHECK-NEXT: [[A:%.*]] = alloca i32
  ; CHECK-NEXT: store i32 1, i32* [[A]]
  ; CHECK-NEXT: [[A_VAL:%.*]] = load i32, i32* [[A]]
  ; CHECK-NEXT: [[B_VAL:%.*]] = load i32, i32* [[B]]
  ; CHECK-NEXT: [[C:%.*]] = call i32 @scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* [[A_VAL]], i32* [[B_VAL]])
  ; CHECK-NEXT: ret i32 [[C]]

  %A = alloca i32
  store i32 1, i32* %A
  %C = call i32 @scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* %A, i32* %B)
  ret i32 %C
}

; If the arguments are scalar, its ok to promote.
define internal i32 @scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* %X, i32* %Y) #2 {
    ; CHECK-LABEL: define
    {[^@]+}@scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256
    ; CHECK-SAME: (i32 [[X_VAL:%.*]], i32 [[Y_VAL:%.*]])
    ; CHECK-NEXT: [[C:%.*]] = add i32 [[X_VAL]], [[Y_VAL]].
    ; CHECK-NEXT: ret i32 [[C]].
    %A = load i32, i32* %X
    %B = load i32, i32* %Y
    %C = add i32 %A, %B
    ret i32 %C
}
define i32 @scalar_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* %B) #2 {
    ; CHECK-LABEL: define {[^@]+}@scalar_avx512_legal512_prefer256_call_avx512_legal256_prefer256
    ; CHECK-SAME: (i32* [[B:%.*]])
    ; CHECK-NEXT: [[A:%.*]] = alloca i32
    ; CHECK-NEXT: store i32 1, i32* [[A]]
    ; CHECK-NEXT: [[A_VAL:%.*]] = load i32, i32* [[A]].
    ; CHECK-NEXT: [[B_VAL:%.*]] = load i32, i32* [[B]].
    ; CHECK-NEXT: [[C:%.*]] = call i32 @scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* [[A_VAL]], i32* [[B_VAL]])
    ; CHECK-NEXT: ret i32 [[C]].
    %A = alloca i32
    store i32 1, i32* %A
    %C = call i32 @scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* %A, i32* %B)
    ret i32 %C
}

; Function Attrs: argmemonly nounwind
declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5

attributes #0 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="512" }
attributes #1 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
attributes #2 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
attributes #3 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
attributes #4 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
attributes #5 = { argmemonly nounwind }

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-----------------------------------------------
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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=skylake-avx512 -mattr=prefer-256-bit | FileCheck %s --check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=skyxavx512 -mattr=prefer-256-bit,avx512v bmi | FileCheck %s --check-prefixes=CHECK,CHECK-VBMI
; Make sure CPUs default to prefer-256-bit. avx512vnni isn't interesting as it just adds an isel peephole for vpmaddwd+vpadd
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=skyxavx512 | FileCheck %s --check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vnni -mcpu=cascadelake | FileCheck %s --check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vnni -mcpu=cooperlake | FileCheck %s --check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=cannonlake | FileCheck %s --check-prefixes=CHECK,CHECK-VBMI
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vnni -mcpu=icelake-client | FileCheck %s --check-prefixes=CHECK,CHECK-VBMI
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vnni -mcpu=icelake-server | FileCheck %s --check-prefixes=CHECK,CHECK-VBMI
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vnni -mcpu=tigerlake | FileCheck %s --check-prefixes=CHECK,CHECK-VBMI

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed 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:
  # %bb.0:
  CHECK-NEXT:  vmovdqa (%rdi), %ymm0
  CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
  CHECK-NEXT:  vpadd 32(%rsi), %ymm1, %ymm1
  CHECK-NEXT:  vpadd (%rsi), %ymm0, %ymm0

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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 32(%rsi), %ymm1, %ymm0
  ; CHECK-NEXT: vpmaddwd (%rsi), %ymm0, %ymm1
  ; 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
}
%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 @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>* %ypr, <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:  vpmovdqa32 (%rdi), %ymm1
; CHECK-NEXT:  vpsubusb32 (%rsi), %ymm1, %ymm1
; CHECK-NEXT:  vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%x = load <64 x i8>, <64 x i8>* %xptr
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
    ; .p2align 4, 0x90
    ; .LBB8_1: # %vector.body
    ; CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:  vmovnsxbw 16(%rdi,%rcx), %ymm3
    ; CHECK-NEXT:  vpmovnsxbw (%rdi,%rcx), %ymm4
    ; CHECK-NEXT:  vpmovnsxbw 16(%rsi,%rcx), %ymm5
    ; CHECK-NEXT:  vpmaddwd %ymm3, %ymm5, %ymm3
    ; CHECK-NEXT:  vpadd %ymm2, %ymm3, %ymm2
    ; CHECK-NEXT:  vpmovnsxbw (%rsi,%rcx), %ymm3
    ; CHECK-NEXT:  vpmaddwd %ymm4, %ymm3, %ymm3
    ; CHECK-NEXT:  vpadd %ymm1, %ymm3, %ymm1
    ; CHECK-NEXT:  addq $32, %rcx
    ; CHECK-NEXT:  cmpq %rcx, %rax
}
entry:
%index = zext i32 %2 to i64
br label %vector.body

vector.body:
%vec.phi = phi i112 %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
%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> %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, 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, 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, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde
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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde

%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> 2, i32 2, i32 3, i32 undef, i32 undef, i32 undef, %rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> 1, i32 2, 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, 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, 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 unde

%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13

i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde

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:    vpadd %zmm1, %zmm2, %zmm1
; CHECK-NEXT:    cmpq %rcx, %rax
; CHECK-NEXT:    jne .LBB9_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:    vpadd %zmm1, %zmm2, %zmm1
; CHECK-NEXT:    vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:    vextracti64x4 %d1, %zmm0, %zmm1
; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vextracti128 %d1, %zmm0, %zmm1
; CHECK-NEXT:    vpaddd %xmm1, %zmm0, %xmm0
; CHECK-NEXT:    vpaddd %xmm1, %zmm0, %zmm0
; CHECK-NEXT:    vpaddd %zmm1, %xmm0, %zmm0
; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:    vzerooupper
; 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> <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, 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, 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, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
  %rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 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, 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.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
  %rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 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, 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.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
  %13 = extractelement <32 x i32> %bin.rdx20, i32 0
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, %xmm2
  ; CHECK-NEXT:    vpaddd %ymm1, %ymm2, %ymm1
  ; CHECK-NEXT:    addq $4, %rax
  ; CHECK-NEXT:    jne .LBB10_1
  ; CHECK-NEXT:  # %bb.2: # %middle.block
  ; CHECK-NEXT:  vpaddd %ymm1, %ymm1, %ymm0
  ; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
  ; CHECK-NEXT:  vpaddd %ymm1, %xmm0, %xmm0
  ; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:  vpaddd %ymm1, %ymm1, %ymm1
  ; 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, 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:
%rdx.shuf = shufflevector <16 x i32> %10, <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>
%bin.rdx = add <16 x i32> %10, %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>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <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>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <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>
%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, %xmm0
; CHECK-NEXT: vpadd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %zmm1
; CHECK-NEXT: vpadd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB11_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vextracti64x4 S1, %zmm0, %zmm1
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 $1, %zmm0, %zmm1
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpsufd  [[...]] xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpsufd  [[...]] xmm1 = xmm0[1,1,2,3]

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; 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, 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, 1024
  br i1 %11, label %middle.block, label %vector.body

middle.block:
  %rdx.shuf = shufflevector <16 x i32> %10, <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> %10, %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>
  %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>
  %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>
  %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: vcvtq2ps %ymm0, %ymmm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vcvtq2ps %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, zeroinitiializer
%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: vcvtq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitiializer
%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: vcvtq2pd %xmm0, %xmm0
; CHECK-NEXT: vextracti128 %1, %ymm0, %xmm0
; CHECK-NEXT: vcvtq2pd %xmm0, %xmm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvtq2pd %xmm2, %xmm3
; CHECK-NEXT: vextracti128 %1, %ymm2, %xmm2
; CHECK-NEXT: vcvtq2pd %xmm2, %xmm2
; 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:    vpshld $31, %ymm0, %ymm0
; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
; CHECK-NEXT:    vpmovm2d %k0, %ymm1
; CHECK-NEXT:    vpshld $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: vpmovmd %k0, %zmm0
    ; CHECK-NEXT: vpsrlq $31, %zmm0, %zmm0
    ; CHECK-NEXT: vcntdq2ps %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: vpmovmd %k0, %ymm0
    ; CHECK-NEXT: vpsrlq $31, %ymm0, %ymm0
    ; CHECK-NEXT: vcntdq2pd %xmm0, %ymm1
    ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT: vcntdq2pd %xmm0, %ymm0
    ; CHECK-NEXT: vpmovmd %k0, %ymm2
    ; CHECK-NEXT: vpsrlq $31, %ymm2, %ymm2
    ; CHECK-NEXT: vcntdq2pd %xmm2, %ymm2
    ; CHECK-NEXT: vpmovmd %k0, %ymm3
    ; CHECK-NEXT: vpsrlq $31, %ymm3, %xmm3
    ; CHECK-NEXT: vcntdq2pd %xmm3, %ymm3
    ; 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" {
    ; CHECK-LABEL: ubto16f64_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vpmovw2m %ymm0, %k0
    ; CHECK-NEXT: kshiftrw $8, %k0, %k1
    ; CHECK-NEXT: vpmovmd %k0, %ymm0
    ; CHECK-NEXT: vpsrlq $31, %ymm0, %ymm0
    ; CHECK-NEXT: vcntdq2pd %xmm0, %ymm1
    ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT: vcntdq2pd %xmm0, %ymm0
    ; CHECK-NEXT: vpmovmd %k0, %ymm2
    ; CHECK-NEXT: vpsrlq $31, %ymm2, %ymm2
    ; CHECK-NEXT: vcntdq2pd %xmm2, %ymm2
    ; CHECK-NEXT: vpmovmd %k0, %ymm3
    ; CHECK-NEXT: vpsrlq $31, %ymm3, %xmm3
    ; CHECK-NEXT: vcntdq2pd %xmm3, %ymm3
    ; 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 <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:  vcvttps2dq (%rdi), %ymm1  
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT:  vpmovd2m %ymm1, %k0  
; CHECK-NEXT:  vcvttps2dq 32(%rdi), %ymm1  
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT:  vpmovd2m %ymm1, %k1  
; CHECK-NEXT:  kunpckbw %k0, %k1, %k1  
; CHECK-NEXT:  vmovdq16 %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:  vcvttps2dq (%rdi), %ymm1  
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT:  vpmovd2m %ymm1, %k0  
; CHECK-NEXT:  vcvttps2dq 32(%rdi), %ymm1  
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT:  vpmovd2m %ymm1, %k1  
; CHECK-NEXT:  kunpckbw %k0, %k1, %k1  
; CHECK-NEXT:  vmovdq16 %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_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-AVX512-LABEL: mul256:
    ; CHECK-AVX512:       # %bb.0:
    ; CHECK-AVX512-NEXT:  vmovdqa (%rdi), %ymm0
    ; CHECK-AVX512-NEXT:  vmovdqa 32(%rdi), %ymm1
    ; CHECK-AVX512-NEXT:  vmovdqa (%rsi), %ymm2
    ; CHECK-AVX512-NEXT:  vmovdqa 32(%rsi), %ymm3
    ; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} ymm4 = ymm3[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]
    ; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} ymm5 = ymm1[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]
    ; CHECK-AVX512-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
    ; CHECK-AVX512-NEXT:  vpand %ymm5, %ymm4, %ymm4
}
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} ymm3 = ymm3[0,1,2,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} ymm1 = ymm1[0,1,2,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpmullw %ymm3, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpand %ymm5, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpackuswb %ymm4, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} ymm3 = ymm2[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]
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} ymm4 = ymm0[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]
; CHECK-AVX512-NEXT:  vpmullw %ymm3, %ymm4, %ymm3
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} ymm2 = ymm2[0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} ymm0 = ymm0[0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpackuswb %ymm3, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-AVX512-NEXT:  vzeroupper
; CHECK-AVX512-NEXT:  retq

; CHECK-VBMI-LABEL: mul256:
; CHECK-VBMI: # %bb.0:
; CHECK-VBMI-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-VBMI-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-VBMI-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-VBMI-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} ymm4 = ymm3[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]
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} ymm5 = ymm1[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]
; CHECK-VBMI-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} ymm3 = ymm3[0,2,4,6,8,10,12,14,32,34,36,38,40,42,44,46,16,18,20,22,24,26,28,30,48,50,52,54,56,58,60,62]
; CHECK-VBMI-NEXT:  vpermi2b %ymm4, %ymm3, %ymm1
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} ymm4 = ymm2[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]
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} ymm5 = ymm0[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]
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
    ; CHECK-AVX512-LABEL: mul512:
    ; CHECK-AVX512: # %bb.0:
    ; CHECK-AVX512-NEXT: vmovdqa64 (%rdi), %zmm0
    ; CHECK-AVX512-NEXT: vmovdqa64 (%rsi), %zmm1
    ; CHECK-AVX512-NEXT: vpunpckhbw {{.*#+}} zmm2 =
    ; CHECK-AVX512-NEXT:   zmm1[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
    ; CHECK-AVX512-NEXT:    4,2,42,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
    ; CHECK-AVX512-NEXT:   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
    ; CHECK-AVX512-NEXT:    4,2,42,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
    ; CHECK-AVX512-NEXT:    vpmullw %zmm2, %zmm3, %zmm2
    ; CHECK-AVX512-NEXT:    vmovdqa64 {{.*#+}} zmm3 =
    ; CHECK-AVX512-NEXT:      5]
    ; CHECK-AVX512-NEXT:    vpandq %zmm3, %zmm2, %zmm2
    ; CHECK-AVX512-NEXT:    vpunpckhbw {{.*#+}} zmm1 =
    ; CHECK-AVX512-NEXT:      zmm1[0,1,1,2,2,3,3,4,4,4,5,5,5,6,6,6,6,7,7,7,7,7,7,16,16,16,16,17,17,17,17,18,18,18,18,19,19,19,19,20,20,20,20,21,21,22,22,23,23,23,23,32,32,33,33,34,34,34,34,35,35,36,36,36,36,36,36,36,36]
    ; CHECK-AVX512-NEXT:    vpmullw %zmm1, %zmm0, %zmm0
    ; CHECK-AVX512-NEXT:    vpandq %zmm3, %zmm0, %zmm0
    ; CHECK-AVX512-NEXT:    vpunpckhbw {{.*#+}} zmm0 =
    ; CHECK-AVX512-NEXT:      zmm0[0,1,1,2,2,3,3,4,4,4,5,5,5,6,6,6,6,7,7,7,7,7,7,16,16,16,16,17,17,17,17,18,18,18,18,19,19,19,19,20,20,20,20,21,21,22,22,23,23,23,23,32,32,33,33,34,34,34,34,35,35,36,36,36,36,36,36,36,36]
    ; CHECK-AVX512-NEXT:    vpmullw %zmm1, %zmm0, %zmm0
    ; CHECK-AVX512-NEXT:    vpandq %zmm3, %zmm0, %zmm0
    ; CHECK-AVX512-NEXT:    vpunpckhbw {{.*#+}} zmm0 =
    ; CHECK-AVX512-NEXT:      zmm0[0,1,1,2,2,3,3,4,4,5,5,5,6,6,6,6,7,7,7,7,7,7,16,16,16,16,17,17,17,17,18,18,18,18,19,19,19,19,20,20,20,20,21,21,22,22,23,23,23,23,32,32,33,33,34,34,34,34,35,35,36,36,36,36,36,36,36,36]
    ; CHECK-AVX512-NEXT:    vpmullw %zmm1, %zmm0, %zmm0
    ; CHECK-AVX512-NEXT:    vpandq %zmm3, %zmm0, %zmm0
    ; CHECK-AVX512-NEXT:    vzeroupper
    ; CHECK-AVX512-NEXT:    retq
}

%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void

; CHECK-VBMI:       # %bb.0:
; CHECK-VBMI-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-VBMI-NEXT:  vmovdqa64 (%rsi), %zmm1
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} zmm2 = zmm1[8,9,9,10,10,11,11,12,12,13,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,44,44,45,45,46,46,47,47,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} zmm3 = zmm0[8,9,9,10,10,11,11,12,12,13,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,44,44,45,45,46,46,47,47,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55
; CHECK-VBMI-NEXT:  vpmullw %zmm2, %zmm3, %zmm2
; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} zmm1 = zmm1[0,0,0,0,1,1,1,1,2,2,2,2,3,3,3,3,4,4,4,4,5,5,5,5,6,6,6,6,7,7,7,7,7,7,16,16,17,17,18,18,18,19,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,38,38,38,39,39,39,39,49,49,49,49,50,50,50,50,51,51,51,51,52,52,52,52,53,53,53,53,54,54,54,54,55,55
; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} zmm0 = zmm0[0,0,0,0,1,1,1,1,2,2,2,2,3,3,3,3,4,4,4,4,5,5,5,5,6,6,6,6,7,7,7,7,7,7,16,16,17,17,18,18,18,19,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,38,38,38,39,39,39,39,49,49,49,49,50,50,50,50,51,51,51,51,52,52,52,52,53,53,53,53,54,54,54,54,55,55
; CHECK-VBMI-NEXT:  vpmullw %zmm1, %zmm0, %zmm0
; CHECK-VBMI-NEXT:  vmovdqa64 {{.*#+}} zmm1 = [0,2,4,6,8,10,12,14,64,66,68,70,72,74,76,78,80,82,84,86,88,90,92,94,32,34,36,38,40,42,44,46,96,98,100,102,104,106,108,11]
0,48,50,52,54,56,58,60,62,62,112,114,116,118,120,122,124,126
; CHECK-VBMI-NEXT:  vpmi2b %zmm2, %zmm0, %zmm1
; CHECK-VBMI-NEXT:  vmovdqa64 %zmm1, (%rdx)
; CHECK-VBMI-NEXT:  vzeroupper
; CHECK-VBMI-NEXT:  retq
\%d = load <64 x i8>, <64 x i8>* \%a
\%e = load <64 x i8>, <64 x i8>* \%b
\%f = mul \%d, \%e
store <64 x i8> \%f, <64 x i8>* \%c
ret void
}

; This threw an assertion at one point.
define \<4 x i32\> mload_v4i32<\<4 x i32\>* \%trigger, <\<4 x i32\>* \%addr, <\<4 x i32\>* \%dst> "min-legal-vector-width"="256" {
; CHECK-LABEL: mload_v4i32:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vptestnmd \%xmm0, \%xmm0, \%k1
; CHECK-NEXT:  vpblendmd (%rdi), \%xmm1, \%xmm0 {%k1}
; CHECK-NEXT:  retq
\%mask = icmp eq <4 x i32> \%trigger, zeroinitializer
\%res = call <4 x i32> \@llvm.masked.load.v4i32<\<4 x i32\>* \%addr, i32 4, <4 x i1> \%mask, <\<4 x i32\>* \%dst>
ret <4 x i32> \%res
}
declare <4 x i32> \@llvm.masked.load.v4i32<\<4 x i32\>* \%addr, i32 4, <4 x i1> \%mask, <\<4 x i32\>* \%dst>
define \<16 x i32\> trunc_v16i64_v16i32<\<16 x i64\>* \%x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i64_v16i32:
define <16 x i8> @trunc_v16i64_v16i8(<16 x i64>* %x) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: trunc_v16i64_v16i8:  
; CHECK:    # %bb.0:  
; CHECK-NEXT: vmovdqa (%rdi), %ymm0  
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1  
; CHECK-NEXT: vmovdqa 64(%rdi), %ymm2  
; CHECK-NEXT: vmovdqa 96(%rdi), %ymm3  
; CHECK-NEXT: vpmovqd %ymm0, %xmm0  
; CHECK-NEXT: vpmovqd %ymm1, %xmm1  
; CHECK-NEXT: vpmovqd %ymm2, %xmm2  
; CHECK-NEXT: vpmovqd %ymm3, %xmm3  
; CHECK-NEXT: retq  
%a = load <16 x i64>, <16 x i64>* %x
%b = trunc <16 x i64>* %a to <16 x i32>
ret <16 x i8> %b
}

define <16 x i8> @trunc_v16i32_v16i8(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: trunc_v16i32_v16i8:  
; CHECK:    # %bb.0:  
; CHECK-NEXT: vmovdqa (%rdi), %ymm0  
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1  
; CHECK-NEXT: vmovdqa 64(%rdi), %ymm2  
; CHECK-NEXT: vmovdqa 96(%rdi), %ymm3  
; CHECK-NEXT: vpmovqd %ymm0, %xmm0  
; CHECK-NEXT: vpmovqd %ymm1, %xmm1  
; CHECK-NEXT: vpmovqd %ymm2, %xmm2  
; CHECK-NEXT: vpmovqd %ymm3, %xmm3  
; CHECK-NEXT: vpmovq %ymm0, %xmm0  
; CHECK-NEXT: vpunpckldq {{.*#+}} xmm2 = xmm2[0],xmm3[0],xmm2[1],xmm3[1]  
; CHECK-NEXT: vpmovq %ymm1, %xmm1  
; CHECK-NEXT: vpmovq %ymm2, %xmm2  
; CHECK-NEXT: vpmovq %ymm3, %xmm3  
; CHECK-NEXT: vpunpckldq {{.*#+}} xmm0, xmm0[0],xmm1[0],xmm0[1],xmm1[1]  
; CHECK-NEXT: vzeroupper  
; CHECK-NEXT: retq  
%a = load <16 x i64>, <16 x i64>* %x
%b = trunc <16 x i64>* %a to <16 x i8>
ret <16 x i8> %b
}
%a = load <16 x i32>, <16 x i32>* %x
%b = trunc <16 x i32> %a to <16 x i8>
ret <16 x i8> %b
}
define <8 x i8> @trunc_v8i64_v8i8(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: trunc_v8i64_v8i8:
; CHECK:    # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpmovqvb %ymm1, %xmm1
; CHECK-NEXT: vpmovqvb %ymm0, %xmm0
; CHECK-NEXT: vpunpcklqdq {{.*#+}} xmm0 = xmm0[0],xmm1[0],xmm0[1],xmm1[1]
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
%b = trunc <8 x i64> %a to <8 x i8>
ret <8 x i8> %b
}
define <8 x i16> @trunc_v8i64_v8i16(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: trunc_v8i64_v8i16:
; CHECK:    # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpmovqvw %ymm1, %xmm1
; CHECK-NEXT: vpmovqvw %ymm0, %xmm0
; CHECK-NEXT: vpunpcklqdq {{.*#+}} xmm0 = xmm0[0],xmm1[0]
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
%b = trunc <8 x i64> %a to <8 x i16>
ret <8 x i16> %b
}
define <8 x i32> @trunc_v8i64_v8i32_zeroes(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: trunc_v8i64_v8i32_zeroes:
; CHECK:    # %bb.0:
; CHECK-NEXT: vpsrlq $48, 32(%rdi), %ymm1
; CHECK-NEXT: vpsrlq $48, (%rdi), %ymm2
; CHECK-NEXT: vmovdqa {{.*#+}} ymm0 = [0,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30]
; CHECK-NEXT: vperm2w %ymm1, %ymm2, %ymm0
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
%b = lshr <8 x i64> %a, <i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48>
%c = trunc <8 x i64> %b to <8 x i32>
ret <8 x i32> %c
}
define <16 x i16> @trunc_v16i32_v16i16_zeroes(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i32_v16i16_zeroes:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm1
; CHECK-NEXT: vmovdqa {{.*#+}} ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31]
; CHECK-NEXT: vperm2w 32(%rdi), %ymm1, %ymm0
; CHECK-NEXT: retq
%a = load <16 x i32>, <16 x i32>* %x
%b = lshr <16 x i32> %a, <i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16>
%c = trunc <16 x i32> %b to <16 x i16>
ret <16 x i16> %c
}

define <32 x i8> @trunc_v32i16_v32i8_zeroes(<32 x i16>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-AVX512-LABEL: trunc_v32i16_v32i8_zeroes:
; CHECK-AVX512: # %bb.0:
; CHECK-AVX512-NEXT: vpsrlw $8, 32(%rdi), %ymm0
; CHECK-AVX512-NEXT: vpsrlw ($rdi), %ymm1
; CHECK-AVX512-NEXT: vpackuswb %ymm0, %ymm1, %ymm0
; CHECK-AVX512-NEXT: vpermq {{.*#+}} ymm0 = ymm0[0,2,1,3]
; CHECK-AVX512-NEXT: retq
; CHECK-VBMI-LABEL: trunc_v32i16_v32i8_zeroes:
; CHECK-VBMI: # %bb.0:
; CHECK-VBMI-NEXT: vmovdqa (%rdi), %ymm1
; CHECK-VBMI-NEXT: vmovdqa {{.*#+}} ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63]
; CHECK-VBMI-NEXT: vpermq {{.*#+}} ymm0 = ymm0[0,2,1,3]
; CHECK-VBMI-NEXT: retq
%a = load <32 x i16>, <32 x i16>* %x
%b = lshr <32 x i16> %a, <i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8>
%c = trunc <32 x i16> %b to <32 x i8>
ret <32 x i8> %c
}

define <8 x i32> @trunc_v8i64_v8i32_sign(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v8i64_v8i32_sign:
; CHECK: # %bb.0:
; CHECK-NEXT: vpsraq $48, 32(%rdi), %ymm0
; CHECK-NEXT: vpsraq $48, (%rdi), %ymm1
; CHECK-NEXT: vpmovqd %ymm1, %xmm1
; CHECK-NEXT: vpmovqd %ymm0, %xmm0
; CHECK-NEXT: vinserti128 $1, %xmm0, %ymm1, %ymm0
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
define <16 x i16> @trunc_v16i32_v16i16_sign(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
    ; CHECK-LABEL: trunc_v16i32_v16i16_sign:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rdi), %ymm1
    ; CHECK-NEXT:  vmovdqa {{.*#+}} ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31]
    ; CHECK-NEXT:  vpermi2w 32(%rdi), %ymm1, %ymm0
    ; CHECK-NEXT:  retq
    %a = load <16 x i32>, <16 x i32>* %x
    %b = ashr <16 x i32> %a, <i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16>
    %c = trunc <16 x i32> %b to <16 x i16>
    ret <16 x i16> %c
}

define <32 x i8> @trunc_v32i16_v32i8_sign(<32 x i16>* %x) nounwind "min-legal-vector-width"="256" {
    ; CHECK-AVX512-LABEL: trunc_v32i16_v32i8_sign:
    ; CHECK-AVX512:       # %bb.0:
    ; CHECK-AVX512-NEXT:  vpsraw $8, 32(%rdi), %ymm0
    ; CHECK-AVX512-NEXT:  vpsraw $8, (%rdi), %ymm1
    ; CHECK-AVX512-NEXT:  vpacksswb %ymm0, %ymm1, %ymm0
    ; CHECK-AVX512-NEXT:  vpermq {{.*#+}} ymm0 = ymm0[0,2,1,3]
    ; CHECK-AVX512-NEXT:  retq
    ;
    ; CHECK-VBMI-LABEL: trunc_v32i16_v32i8_sign:
    ; CHECK-VBMI:       # %bb.0:
    ; CHECK-VBMI-NEXT:  vmovdqa (%rdi), %ymm1
    ; CHECK-VBMI-NEXT:  vmovdqa {{.*#+}} ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63]
    ; CHECK-VBMI-NEXT:  vpermi2b 32(%rdi), %ymm1, %ymm0
    ; CHECK-VBMI-NEXT:  retq
    %a = load <32 x i16>, <32 x i16>* %x
    %b = ashr <32 x i16> %a, <i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8> %c = trunc <32 x i16> %b to <32 x i8>
    ret <32 x i8> %c
}

define void @zext_v16i8_v16i64(<16 x i8> %x, <16 x i64>* %y) nounwind "min-legal-vector-width"="256" {
    ; CHECK-LABEL: zext_v16i8_v16i64:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vpmovzxbw {{.*#+}} ymm1 = xmm0[0],zero,xmm0[1],zero,xmm0[2],zero,xmm0[3],zero,xmm0[4],zero,xmm0[5],zero,xmm0[6],zero,xmm0[7],zero,xmm0[8],zero,xmm0[9],zero,xmm0[10],zero,xmm0[11],zero,xmm0[12],zero,xmm0[13],zero,xmm0[14],zero,xm
m0[15],zero

; CHECK-NEXT:    vpshufd {{.*#+}} xmm2 = xmm1[2,3,0,1]
; CHECK-NEXT:    vpmovzxwq {{.*#+}} ymm2 = 
    xmm2[0],zero,zero,xmm2[1],zero,zero,xmm2[2],zero,zero,xmm2[3],zero,zero,zero
; CHECK-NEXT:    vextracti128 $1, %ymm1, %xmm1
; CHECK-NEXT:    vpshufd {{.*#+}} xmm3 = xmm1[2,3,0,1]
; CHECK-NEXT:    vpmovzxwq {{.*#+}} ymm3 = 
    xmm3[0],zero,zero,xmm3[1],zero,zero,xmm3[2],zero,zero,xmm3[3],zero,zero,zero
; CHECK-NEXT:    vpmovzxwq {{.*#+}} ymm1 = 
    xmm1[0],zero,zero,xmm1[1],zero,zero,xmm1[2],zero,zero,xmm1[3],zero,zero,zero
; CHECK-NEXT:    vpmovzxwq {{.*#+}} ymm0 = 
    xmm0[0],zero,zero,xmm0[1],zero,zero,xmm0[2],zero,zero,xmm0[3],zero,zero,zero

%a = zext <16 x i8> %x to <16 x i64>
store <16 x i64> %a, <16 x i64>* %y
ret void
}

define void @sext_v16i8_v16i64(<16 x i8> %x, <16 x i64>* %y) nounwind "min-legal-vector-width"="256" {
    ; CHECK-LABEL: sext_v16i8_v16i64:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovsxbw %xmm0, %ymm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpmovsxwq %xmm1, %ymm1
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm2
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm3 = xmm2[2,3,0,1]
    ; CHECK-NEXT:    vpmovsxwq %xmm3, %ymm3
    ; CHECK-NEXT:    vpmovsxwq %xmm0, %ymm0
    ; CHECK-NEXT:    vpmovsxwq %xmm2, %ymm2
    ; CHECK-NEXT:    vmovdqa %ymm2, 64(%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm0, (%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm3, 96(%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %a = sext <16 x i8> %x to <16 x i64>
store <16 x i64> %a, <16 x i64>* %y
ret void
}

define void @vselect_split_v8i16_setcc(<8 x i16> %s, <8 x i16> %t, <8 x i64>* %p, <8 x i64>* %q, <8 x i64>* %r) "min-legal-vector-width"="256" {
    ; CHECK-NEXT:    vmovdqa %ymm0, (%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm1, 64(%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm2, 96(%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm3, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %a = vselect_setcc <8 x i8> %s, %t, <8 x i64>* %p
store <8 x i64> %a, <8 x i64>* %q
ret void
}
define void @vselect_split_v8i16_setcc(<8 x i16> %s, <8 x i16> %t, <8 x i64> %p, <8 x i64> %q) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: vselect_split_v8i16_setcc:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
    ; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
    ; CHECK-NEXT:  vpcmpeqw %xmm1, %xmm0, %k1
    ; CHECK-NEXT:  kshiftrb $4, %k1, %k2
    ; CHECK-NEXT:  vmovdqa64 32(%rdi), %ymm3 {%k2}
    ; CHECK-NEXT:  vmovdqa64 (%rdi), %ymm2 {%k1}
    ; CHECK-NEXT:  vmovdqa %ymm2, (%rdx)
    ; CHECK-NEXT:  vmovdqa %ymm3, 32(%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq

    %x = load <8 x i64>, <8 x i64>* %p
    %y = load <8 x i64>, <8 x i64>* %q
    %a = icmp eq <8 x i16> %s, %t
    %b = select <8 x i1> %a, <8 x i64> %x, <8 x i64> %y
    store <8 x i64> %b, <8 x i64>* %r
    ret void
}

define void @vselect_split_v8i32_setcc(<8 x i32> %s, <8 x i32> %t, <8 x i64> %p, <8 x i64> %q) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: vselect_split_v8i32_setcc:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
    ; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
    ; CHECK-NEXT:  vpcmpeqd %ymm1, %ymm0, %k1
    ; CHECK-NEXT:  kshiftrb $4, %k1, %k2
    ; CHECK-NEXT:  vmovdqa64 32(%rdi), %ymm3 {%k2}
    ; CHECK-NEXT:  vmovdqa64 (%rdi), %ymm2 {%k1}
    ; CHECK-NEXT:  vmovdqa %ymm2, (%rdx)
    ; CHECK-NEXT:  vmovdqa %ymm3, 32(%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq

    %x = load <8 x i64>, <8 x i64>* %p
    %y = load <8 x i64>, <8 x i64>* %q
    %a = icmp eq <8 x i32> %s, %t
    %b = select <8 x i1> %a, <8 x i64> %x, <8 x i64> %y
    store <8 x i64> %b, <8 x i64>* %r
    ret void
}

define void @vselect_split_v16i8_setcc(<16 x i8> %s, <16 x i8> %t, <16 x i32> %p, <16 x i32> %q) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: vselect_split_v16i8_setcc:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
    ; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
    ; CHECK-NEXT:  vpcmpeqw %xmm1, %xmm0, %k1
    ; CHECK-NEXT:  kshiftrb $4, %k1, %k2
    ; CHECK-NEXT:  vmovdqa64 32(%rdi), %ymm3 {%k2}
    ; CHECK-NEXT:  vmovdqa64 (%rdi), %ymm2 {%k1}
    ; CHECK-NEXT:  vmovdqa %ymm2, (%rdx)
    ; CHECK-NEXT:  vmovdqa %ymm3, 32(%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq

    %x = load <16 x i64>, <16 x i64>* %p
    %y = load <16 x i64>, <16 x i64>* %q
    %a = icmp eq <16 x i32> %s, %t
    %b = select <16 x i1> %a, <16 x i64> %x, <16 x i64> %y
    store <16 x i64> %b, <16 x i64>* %r
    ret void
}
define void @vselect_split_v16i16_setcc(<16 x i16> %s, <16 x i16> %t, <16 x i32>* %p, <16 x i32>* %q, <16 x i32>* %r) "min-legal-vector-width"="256" {
  %x = load <16 x i32>, <16 x i32>* %p
  %y = load <16 x i32>, <16 x i32>* %q
  %a = icmp eq <16 x i8> %s, %t
  %b = select <16 x i1> %a, <16 x i32> %x, <16 x i32> %y
  store <16 x i32> %b, <16 x i32>* %r
  ret void
}

define <16 x i8> @trunc_packus_v16i32_v16i8(<16 x i32>* %p) "min-legal-vector-width"="256" {
  %x = load <16 x i32>, <16 x i32>* %p
  %y = load <16 x i32>, <16 x i32>* %q
  %a = icmp eq <16 x i8> %s, %t
  %b = select <16 x i1> %a, <16 x i32> %x, <16 x i32> %y
  store <16 x i32> %b, <16 x i32>* %r
  ret void
}
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%b = icmp slt <16 x i32> %a, <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255> %c = select <16 x i1> %b, <16 x i32> %a, <16 x i32> <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255> %d = icmp sgt <16 x i32> %c, zeroinitializer %e = select <16 x i1> %d, <16 x i32> %c, <16 x i32> zeroinitializer %f = trunc <16 x i32> %e to <16 x i8> ret <16 x i8> %f

{ define void @trunc_packus_v16i32_v16i8_store(<16 x i32>* %p, <16 x i8>* %q) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: trunc_packus_v16i32_v16i8_store:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT: vpckusdw 32(%rdi), %ymm0, %ymm0
  ; CHECK-NEXT: vpermq {{.*#+}} ymm0 = ymm0[0,2,1,3]
  ; CHECK-NEXT: vpmovuswb %ymm0, (%rsi)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %a = load <16 x i32>, <16 x i32>* %p %b = icmp slt <16 x i32> %a, <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255> %c = select <16 x i1> %b, <16 x i32> %a, <16 x i32> <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255> %d = icmp sgt <16 x i32> %c, zeroinitializer %e = select <16 x i1> %d, <16 x i32> %c, <16 x i32> zeroinitializer %f = trunc <16 x i32> %e to <16 x i8> store <16 x i8> %f, <16 x i8>* %q ret void
} define <64 x i1> @v64i1_argument_return(<64 x i1> %x) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: v64i1_argument_return:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: retq
  ret <64 x i1> %x
}

define void @v64i1_shuffle(<64 x i8>* %x, <64 x i8>* %y) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: v64i1_shuffle:
  ; CHECK: # %bb.0: # %entry
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm1
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm0
  ; CHECK-NEXT: vptestnmb %ymm1, %ymm1, %k0
  ; CHECK-NEXT: kshiftrd $1, %k0, %k1
  ; CHECK-NEXT: movq $-3, %rax
  ; CHECK-NEXT: kmovq %rax, %k2
}
kandq %k2, %k1, %k1
kshiftlq $63, %k0, %k2
kshiftrq $62, %k2, %k2
korq %k2, %k1, %k1
movq $-5, %rax
kmovq %rax, %k2
kandq %k2, %k1, %k1
kshiftrd $3, %k0, %k2
kshifltq $63, %k2, %k2
kshiftrq $61, %k2, %k2
korq %k2, %k1, %k1
movq $-9, %rax
kmovq %rax, %k2
kandq %k2, %k1, %k1
kshiftrd $2, %k0, %k2
kshifltq $63, %k2, %k2
kshiftrq $60, %k2, %k2
korq %k2, %k1, %k1
movq $-17, %rax
kmovq %rax, %k2
kandq %k2, %k1, %k1
kshiftrd $5, %k0, %k2
kshifltq $63, %k2, %k2
kshiftrq $59, %k2, %k2
korq %k2, %k1, %k1
movq $-33, %rax
kmovq %rax, %k2
kandq %k2, %k1, %k1
kshiftrd $4, %k0, %k2
kshifltq $63, %k2, %k2
kshiftrq $58, %k2, %k2
korq %k2, %k1, %k1
movq $-65, %rax
kmovq %rax, %k2
kandq %k2, %k1, %k1
kshiftrd $7, %k0, %k2
kshifltq $63, %k2, %k2
kshiftrq $57, %k2, %k2
korq %k2, %k1, %k1
movq $-129, %rax
kmovq %rax, %k2
kandq %k2, %k1, %k1
kshiftrd $6, %k0, %k2
kshifltq $63, %k2, %k2
kshiftrq $56, %k2, %k2
korq %k2, %k1, %k1
movq $-257, %rax # imm = 0xFEFF
kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $9, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $55, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-513, %rax # imm = 0xFDFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $8, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $54, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-1025, %rax # imm = 0xFBFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $11, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $53, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-2049, %rax # imm = 0xF7FF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $10, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $52, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-4097, %rax # imm = 0xEFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $13, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $51, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-8193, %rax # imm = 0xDFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $12, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $50, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-16385, %rax # imm = 0xCFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $15, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $49, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-32769, %rax # imm = 0xBFFF

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; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $14, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $48, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:   movq $-65537, %rax # imm = 0xFFFFEFFFF
; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $17, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $46, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:   movq $-131073, %rax # imm = 0xFFFFDFFFF
; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $16, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $47, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:   movq $-262145, %rax # imm = 0xFFFFBFFFF
; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $19, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $45, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:   movq $-524289, %rax # imm = 0xFFFF7FFFF
; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $18, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $44, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:   movq $-1048577, %rax # imm = 0xFFEFFFFF
; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $21, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $43, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:   movq $-2097153, %rax # imm = 0xFFDFFFFF
; CHECK-NEXT:   kmovq %rax, %k2
; CHECK-NEXT:   kandq %k2, %k1, %k1
; CHECK-NEXT:   kshiftrd $20, %k0, %k2
; CHECK-NEXT:   kshiftlq $63, %k2, %k2
; CHECK-NEXT:   kshiftrq $42, %k2, %k2
; CHECK-NEXT:   korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-4194305, %rax # imm = 0xFFBF0000
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $23, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $41, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-8388609, %rax # imm = 0xFF7FFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $22, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $40, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-16777217, %rax # imm = 0xFEFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $21, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $39, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-33554433, %rax # imm = 0xFDFFFF00
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $20, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $38, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-67108865, %rax # imm = 0xF7FFFF00
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $19, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $37, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-134217729, %rax # imm = 0xF7FFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $18, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $36, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-268435457, %rax # imm = 0xEFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $17, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $35, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-356870913, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $28, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $34, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-1073741825, %rax # imm = 0xFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $28, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $34, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movabsq $-2147483649, %rax # imm = 0xFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k2
; CHECK-NEXT:    vptestnmb %ymm0, %ymm0, %k1
; CHECK-NEXT:    kshiftrd $30, %k0, %k0
; CHECK-NEXT:    kshiftlq $63, %k0, %k0
; CHECK-NEXT:    kshiftrq $32, %k0, %k0
; CHECK-NEXT:    korq %k0, %k2, %k0
; CHECK-NEXT:    movabsq $-4294967297, %rax # imm = 0xFFFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $1, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $31, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-8589934593, %rax # imm = 0xFFFFFFFFD
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $3, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $29, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-17179869185, %rax # imm = 0xFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $3, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $29, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-34359738369, %rax # imm = 0xFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $3, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $29, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-1073741825, %rax # imm = 0xFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $3, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $29, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-4294967297, %rax # imm = 0xFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $1, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $31, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-8589934593, %rax # imm = 0xFFFFFFFFD
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $3, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $29, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-17179869185, %rax # imm = 0xFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $3, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $29, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-34359738369, %rax # imm = 0xFFFFFFFFF
; CHECK-NEXT:  kshiftrq $28, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-68719476737, %rax # imm = 0xFFFFFFFFEFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $5, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $27, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-137438953473, %rax # imm = 0xFFFFFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $4, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $26, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-274877906945, %rax # imm = 0xFFFFFFFFBFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $7, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $25, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-549755813889, %rax # imm = 0xFFFFFFFF7FFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $6, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $24, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-1099511627777, %rax # imm = 0xFFFFFFFFEFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $9, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $23, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-2199023255553, %rax # imm = 0xFFFFFFFFDFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $8, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $22, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-4398046511105, %rax # imm = 0xFFFFFFFFBFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $11, %k1, %k2

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; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $21, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-8796093022209, %rax # imm = 0xFFFFFFF00000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $10, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $20, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-17592186044417, %rax # imm = 0xFFFFF0000000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $13, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $19, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-35184372088833, %rax # imm = 0xFFFFE0000000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $12, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $18, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-70368744177665, %rax # imm = 0xFFFFD0000000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $15, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $17, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-140737488355329, %rax # imm = 0xFFFFC0000000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $14, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $16, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-281474976710657, %rax # imm = 0xFFFFB0000000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $17, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $15, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-562949953421313, %rax # imm = 0xFFFFA0000000000
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0

; CHECK-NEXT:  kshiftrd $16, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $14, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-1125899906842625, %rax # imm = 0xFFFFBFFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $19, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $13, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-2251799813685249, %rax # imm = 0xFFFF7FFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $18, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $12, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-4503599627370497, %rax # imm = 0xFFFFFFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $21, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $11, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-9007199254740993, %rax # imm = 0xFFFDFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $20, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $10, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-18014398509481985, %rax # imm = 0xFFDFFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $23, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $9, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-36028797018963969, %rax # imm = 0xFF7FFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k0, %k0
; CHECK-NEXT:  kshiftrd $22, %k1, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $8, %k2, %k2
; CHECK-NEXT:  korq %k2, %k0, %k0
; CHECK-NEXT:  movabsq $-72057594037927937, %rax # imm = 0xFEFFFFFFFFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
entry:
%a = load <64 x i8>, <64 x i8>* %x
%b = icmp eq <64 x i8> %a, zeroinitialzier
%shuf = shufflevector <64 x i1> %b, undef, <64 x i32> %a, <64 x i8>* %a, <64 x i8>* %x

@mem64_dst = global i64 0, align 8
@mem64_src = global i64 0, align 8
define i32 @v64i1_inline_asm() "min-legal-vector-width"="256" {  
; CHECK-LABEL: v64i1_inline_asm:  
; CHECK:   # %bb.0:  
; CHECK-NEXT: kmovq [{.*}](%rip), %k0  
; CHECK-NEXT: #APP  
; CHECK-NEXT: #NO_APP  
; CHECK-NEXT: kmovq %k0, [{.*}](%rip)  
; CHECK-NEXT: movl -{{[0-9]+}}(%rsp), %eax  
; CHECK-NEXT: retq  
%1 = alloca i32, align 4  
%2 = load i64, i64* @mem64_src, align 8  
%3 = call i64 asm "", "%-k,k,-{dirflag},-{fpsr},-{flags}"(i64 %2)  
store i64 %3, i64* @mem64_dst, align 8  
%4 = load i32, i32* %1, align 4  
ret i32 %4  
}
define void @cmp_v8i64_sext(<8 x i64>* %xptr, <8 x i64>* %yprtr, <8 x i64>* %zptr) "min-legal-vector-width"="256" {  
; CHECK-LABEL: cmp_v8i64_sext:  
; CHECK:   # %bb.0:  
; CHECK-NEXT: vmovdqa (%rsi), %ymm0  
; CHECK-NEXT: vmovdqua %ymm1, (%rsi) { %k1 }  
; CHECK-NEXT: vpcmpgtq 32(%rdi), %ymm0, %ymm1  
; CHECK-NEXT: vpcmpgtq (%rdi), %ymm0, %ymm0

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define void @cmp_v8i64_zext(<8 x i64>* %xptr, <8 x i64>* %yptr, <8 x i64>* %zptr) "min-legal-vector-width"="256" {  
; CHECK-LABEL: cmp_v8i64_zext:
; CHECK:    # %bb.0:
; CHECK-NEXT:    vmovdqa (%rsi), %ymm0
; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm1
; CHECK-NEXT:    vpcmpgtq 32(%rdi), %ymm1, %ymm1
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm0 = 
; CHECK-NEXT:    vpsllv %ymm1, %ymm0, %ymm1
; CHECK-NEXT:    vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%x = load <8 x i64>, <8 x i64>* %xptr
%y = load <8 x i64>, <8 x i64>* %yptr
%cmp = icmp slt <8 x i64> %x, %y
%ext = zext <8 x i1> %cmp to <8 x i64>
store <8 x i64> %ext, <8 x i64>* %zptr
ret void
}

define <16 x i8> @var_rotate_v16i8(<16 x i8> %a, <16 x i8> %b) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: var_rotate_v16i8:
; CHECK:    # %bb.0:
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm0 = 
; CHECK-NEXT:    vpsllvw %ymm1, %ymm0, %ymm1
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm1 =
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm2 = [8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8]
; CHECK-NEXT:    vpsubb %xmm1, %xmm2, %xmm2
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm1 =
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm0 =
; CHECK-NEXT:    vmovdqa {{.*#+}} xmm2 = [8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8]
; CHECK-NEXT:    vmovdqa (%rsi), %ymm0
; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm1
; CHECK-NEXT:    vpcmpgtq 32(%rdi), %ymm1, %ymm1
; CHECK-NEXT:    vpsrlq $63, %ymm1, %ymm1
; CHECK-NEXT:    vpmovzxbw {{.*#+}} ymm1 =
; CHECK-NEXT:    vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%x = load <8 x i64>, <8 x i64>* %xptr
%y = load <8 x i64>, <8 x i64>* %yptr
%cmp = icmp slt <8 x i64> %x, %y
%ext = zext <8 x i1> %cmp to <8 x i64>
store <8 x i64> %ext, <8 x i64>* %zptr
ret void
}
define <32 x i8> @var_rotate_v32i8(<32 x i8> %a, <32 x i8> %b) nounwind "min-legal-vector-width"="256" {
    %b8 = sub <16 x i8> <i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8>, %b
    %shl = shl <16 x i8> %a, %b
    %lshr = lshr <16 x i8> %a, %b8
    %or = or <16 x i8> %shl, %lshr
    ret <16 x i8> %or
}

define <32 x i8> @splatvar_rotate_v32i8(<32 x i8> %a, <32 x i8> %b) nounwind "min-legal-vector-width"="256" {
    %b8 = sub <32 x i8> <i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8>, %b
    %shl = shl <32 x i8> %a, %b
    %lshr = lshr <32 x i8> %a, %b8
    %or = or <32 x i8> %shl, %lshr
    ret <32 x i8> %or
}
define <32 x i8> @constant_rotate_v32i8(<32 x i8> %a) nounwind "min-legal-vector-width"="256" {
    ; CHECK-AVX512-LABEL: constant_rotate_v32i8:
    ; CHECK-AVX512:     # %bb.0:
    ; CHECK-AVX512-NEXT:     vpsllw $4, %ymm0, %ymm1
    ; CHECK-AVX512-NEXT:     vpand {{.*}}(%rip), %ymm1, %ymm1
    ; CHECK-AVX512-NEXT:     vbroadcasti128 {{.*#+}} ymm2 =
        [8192,24640,41088,57536,57344,41152,24704,8256,8192,24640,41088,57536,57344,41152,24704,8256]  
    ; CHECK-AVX512-NEXT:     # ymm2 = mem[0,1,0,1]
    ; CHECK-AVX512-NEXT:     vpblendvb %ymm2, %ymm1, %ymm0, %ymm1
    ; CHECK-AVX512-NEXT:     vpsllw $2, %ymm1, %ymm3
    ; CHECK-AVX512-NEXT:     vpand {{.*}}(%rip), %ymm3, %ymm3
    ; CHECK-AVX512-NEXT:     vpaddb %ymm2, %ymm2, %ymm2
    ; CHECK-AVX512-NEXT:     vpaddb %ymm2, %ymm2, %ymm1, %ymm1
    ; CHECK-AVX512-NEXT:     vpaddb %ymm1, %ymm1, %ymm3
    ; CHECK-AVX512-NEXT:     vpaddb %ymm2, %ymm2, %ymm2
    ; CHECK-AVX512-NEXT:     vpaddb %ymm2, %ymm2, %ymm1, %ymm1
    ; CHECK-AVX512-NEXT:     vpaddb %ymm1, %ymm1, %ymm3
    ; CHECK-AVX512-NEXT:     vpaddb %ymm2, %ymm2, %ymm2
    ; CHECK-AVX512-NEXT:     vpaddb %ymm2, %ymm2, %ymm1, %ymm1
    ; CHECK-AVX512-NEXT:     vpxor %ymm2, %ymm2, %ymm2
    ; CHECK-AVX512-NEXT:     vpunpckhbw {{.*#+}} ymm3 =
        ymm0[8],ymm2[8],ymm0[9],ymm2[9],ymm0[10],ymm2[10],ymm0[11],ymm2[11],ymm0[12],ymm2[12],ymm0[13 ],ymm2[13],ymm0[14],ymm2[14],ymm0[15],ymm2[15],ymm0[24],ymm2[24],ymm0[25],ymm2[25],ymm0[26],ym m2[26],ymm0[27],ymm2[27],ymm0[28],ymm2[28],ymm0[29],ymm2[29],ymm0[30],ymm2[30],ymm0[31],ymm2[31]
    %splat = shufflevector <32 x i8> %b, <32 x i8> undef, <32 x i32> zeroinitlizer
    %splat8 = sub <32 x i8> <i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8 >, %splat
    %shl = shl <32 x i8> %a, %splat
    %lshr = lshr <32 x i8> %a, %splat8
    %or = or <32 x i8> %shl, %lshr
    ret <32 x i8> %or
; CHECK-AVX512-NEXT:  vpsllvw {{.*}}(%rip), %ymm3, %ymm3
; CHECK-AVX512-NEXT:  vpsrlw S8, %ymm3, %ymm3
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} ymm0 = ymm0[0],ymmm2[0],ymmm0[1],ymmm2[1],ymmm0[2],ymmm2[2],ymmm0[3],ymmm2[3],ymmm0[4],ymmm2[4],ymmm0[5],ymmm2[5],ymmm0[6],ymmm2[6],ymmm0[7],ymmm2[7],ymmm0[16],ymmm2[16],ymmm0[17],ymmm2[17],ymmm0[18],ymmm2[18],ymmm0[19],ymmm2[19],ymmm0[20],ymmm2[20],ymmm0[21],ymmm2[21],ymmm0[22],ymmm2[22],ymmm0[23],ymmm2[23]
; CHECK-AVX512-NEXT:  vpsllv (%rip), %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpsrlw S8, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpackuswb %ymm3, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpor %ymm0, %ymm1, %ymm0
; CHECK-AVX512-NEXT:  retq

; CHECK-VBMI-LABEL:  constant_rotate_v32i8:
; CHECK-VBMI:       # %bb.0:
; CHECK-VBMI-NEXT:  vpsllw S4, %ymm0, %ymm1
; CHECK-VBMI-NEXT:  vpand {{.*}}(%rip), %ymm1, %ymm1
; CHECK-VBMI-NEXT:  vbroadcasti128 {{.*#+}} ymm2 = [8192,24640,41088,57536,57344,41152,24704,8256,8192,24640,41008,57536,57344,41152,24704,8256]
; CHECK-VBMI-NEXT:  # ymm2 = mem[0,1,0,1]
; CHECK-VBMI-NEXT:  vpblendvb %ymm2, %ymm1, %ymm0, %ymm1
; CHECK-VBMI-NEXT:  vpsllw S2, %ymm1, %ymm3
; CHECK-VBMI-NEXT:  vpaddb %ymm2, %ymm2, %ymm1, %ymm1
; CHECK-VBMI-NEXT:  vpaddb %ymm1, %ymm1, %ymm3
; CHECK-VBMI-NEXT:  vpaddb %ymm2, %ymm2, %ymm2
; CHECK-VBMI-NEXT:  vpblendvb %ymm2, %ymm3, %ymm1, %ymm1
; CHECK-VBMI-NEXT:  vpxor %xmm2, %xmm2, %xmm2
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} ymm3 = ymm0[8],ymm2[8],ymm0[9],ymm2[9],ymm0[10],ymm2[10],ymm0[11],ymm2[11],ymm0[12],ymm2[12],ymm0[13],ymm2[13],ymm0[14],ymm2[14],ymm0[15],ymm2[15],ymm0[24],ymm2[24],ymm0[25],ymm2[25],ymm0[26],ymm2[26],ymm0[27],ymm2[27],ymm0[28],ymm2[28],ymm0[29],ymm2[29],ymm0[30],ymm2[30],ymm0[31],ymm2[31]
; CHECK-VBMI-NEXT:  vpshl %ymm0, %ymm3, %ymm3
; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} ymm0 = ymm0[0],ymm2[0],ymm0[1],ymm2[1],ymm0[2],ymm2[2],ymm0[3],ymm2[3],ymm0[4],ymm2[4],ymm0[5],ymm2[5],ymm0[6],ymm2[6],ymm0[7],ymm2[7],ymm0[16],ymm2[16],ymm0[17],ymm2[17],ymm0[18],ymm2[18],ymm0[19],ymm2[19],ymm0[20],ymm2[20],ymm0[21],ymm2[21],ymm0[22],ymm2[22],ymm0[23],ymm2[23]
; CHECK-VBMI-NEXT:  vpsllvw {{.*}}(%rip), %ymm3, %ymm3
; CHECK-VBMI-NEXT:  vmovdqa {{.*#+}} ymm2 = [1,3,5,7,9,11,13,15,33,35,37,39,41,43,45,47,17,19,21,23,25,27,29,31,49,51,53,55,57,59,61,63]
; CHECK-VBMI-NEXT:  vpermib %ymm3, %ymm0, %ymm2
; CHECK-VBMI-NEXT:  vpor %ymm2, %ymm1, %ymm0
; CHECK-VBMI-NEXT:  retq

%shl = shl <32 x i8> %a, <i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8>
%lsr = lshr <32 x i8> %a, <i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8,
define <32 x i8> @splatconstant_rotate_v32i8(<32 x i8> %a) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: splatconstant_rotate_v32i8:  
; CHECK:       # %bb.0:  
; CHECK-NEXT:    vpsllw $4, %ymm0, %ymm1  
; CHECK-NEXT:    vpsrlw $4, %ymm0, %ymm0  
; CHECK-NEXT:    vpternlogq $216, {{.*}}(%rip), %ymm1, %ymm0  
; CHECK-NEXT:    retq  
%shl = shl <32 x i8> %a, <i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4>  
%lshr = lshr <32 x i8> %a, <i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4>  
%or = or <32 x i8> %shl, %lshr  
ret <32 x i8> %or  
}  

define <32 x i8> @splatconstant_rotate_mask_v32i8(<32 x i8> %a) nounwind "min-legal-vector-width"="256" {  
; CHECK-LABEL: splatconstant_rotate_mask_v32i8:  
; CHECK:       # %bb.0:  
; CHECK-NEXT:    vpsllw $4, %ymm0, %ymm1  
; CHECK-NEXT:    vpsrlw $4, %ymm0, %ymm0  
; CHECK-NEXT:    vpternlogq $216, {{.*}}(%rip), %ymm1, %ymm0  
; CHECK-NEXT:    vpand {{.*}}(%rip), %ymm0, %ymm0  
; CHECK-NEXT:    retq  
%shl = shl <32 x i8> %a, <i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4>  
%lshr = lshr <32 x i8> %a, <i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4>  
%rmask = and <32 x i8> %lshr, <i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55, i8 55>  
%lmask = and <32 x i8> %shl, <i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33, i8 33>  
%or = or <32 x i8> %lmask, %rmask  
ret <32 x i8> %or  
}  

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add_lldb_library(lldbPluginObjectContainerBSDArchive PLUGIN
ObjectContainerBSDArchive.cpp

LINK_LIBS
  lldbCore
  lldbHost
  lldbSymbol
LINK_COMPONENTS
  Support
)

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; 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 label %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
]

sw.bb.i17: ; preds = %.exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20: ; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2: ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end: ; preds = %entry
ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; NOTE: Assertions have been autogenerated by utils/update_test_checks.py UTC_ARGS: --function-signature --
scrub-attributes
; RUN: opt -attributor -attributor-manifest-internal -attributor-max-iterations-verify -attributor-annotate-decl-cs -attributor-max-iterations=4 -S < %s | FileCheck %s --check-prefixes=CHECK,NOT_CGSCC_NPM,NOT_CGSCC_OPM,NOT_TUNIT_NPM,IS__TUNIT____,IS________OPM,IS__TUNIT_OPM
; RUN: opt -aa-pipeline=basic-aa -passes=attributor -attributor-manifest-internal -attributor-max-iterations-verify -attributor-annotate-decl-cs -attributor-max-iterations=3 -S < %s | FileCheck %s --check-prefixes=CHECK,NOT_CGSCC_OPM,NOT_CGSCC_NPM,NOT_TUNIT_OPM,IS__TUNIT____,IS________NP M,IS__TUNIT_OPM
; RUN: opt -attributor-cgscc -attributor-manifest-internal -attributor-annotate-decl-cs -S < %s | FileCheck %s --check-prefixes=CHECK,NOT_TUNIT_NPM,NOT_TUNIT_OPM,NOT_CGSCC_NPM,IS__CGSCC____,IS________OPM,IS__CGSCC_OPM
; RUN: opt -aa-pipeline=basic-aa -passes=attributor-cgscc -attributor-manifest-internal -attributor-annotate-decl-cs -S < %s | FileCheck %s --check-prefixes=CHECK,NOT_TUNIT_NPM,NOT_TUNIT_OPM,NOT_CGSCC_OPM,IS__CGSCC____,IS________NP M,IS__CGSCC_NPM
; Test that we only promote arguments when the caller/callee have compatible
; function attributes.

target triple = "x86_64-unknown-linux-gnu"

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #0 {
;
; NOT_TUNIT_NPM-LABEL: define
{{[^@]+}} @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonlyly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
Open Source Used In Branch Migration Tool 1.9 1982
void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1) #1 {

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1) #1 {

; NOT_TUNIT_NPM-LABEL: define
{"[^@]+`} @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT: ret void

; IS__TUNIT_NPM-LABEL: define
{"[^@]+`} @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {

; IS__TUNIT_OPM-LABEL: define {{"[^@]+`} @avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
::IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
::IS__TUNIT_OPM-NEXT: ret void

::IS__TUNIT_NPM-LABEL: define {{[^@]+}} @avx512_legal512_prefer256_call_avx512_legal512_prefer256
::IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
::IS__TUNIT_NPM-NEXT: bb:
::IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
::IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
::IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
::IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
::IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
::IS__TUNIT_NPM-NEXT: ret void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], 8 x i64> [[TMP0]])
::IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
::IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
::IS__TUNIT_NPM-NEXT: ret void

::IS__CGSCC_OPM-LABEL: define {{[^@]+}} @avx512_legal512_prefer256_call_avx512_legal512_prefer256
::IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture writeonly align 2 dereferenceable(64) [[ARG:%.*]])
::IS__CGSCC_OPM-NEXT: bb:
::IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
::IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
::IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
::IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
::IS__CGSCC_OPM-NEXT: call fastcc void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], 8 x i64> [[TMP]])
::IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
::IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
::IS__CGSCC_OPM-NEXT: ret void

::IS__CGSCC_NPM-LABEL: define {{[^@]+}} @avx512_legal512_prefer256_call_avx512_legal512_prefer256
::IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture writeonly align 2 dereferenceable(64) [[ARG:%.*]])
::IS__CGSCC_NPM-NEXT: bb:
::IS__CGSCC_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
::IS__CGSCC_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
::IS__CGSCC_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
::IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
::IS__CGSCC_NPM-NEXT: call fastcc void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], 8 x i64> [[TMP]])
::IS__CGSCC_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {{[^@]+}} @avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull align 64 dereferenceable(64) [[TMP2]], <8 x i64>* [[TMP0]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{[^@]+}} @avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__CGSCC_OPM-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* nocapture nonnull align 2 dereferenceable(64) [[ARG]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* nocapture nonfree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nonfree readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT: ret void
;
; IS__CGSCC_NPM-LABEL: define {{[^@]+}} @avx512_legal512_prefer512_call_avx512_legal512_prefer256
: IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT:  bb:
; IS__CGSCC_NPM-NEXT:   [(TMP:%.*]) = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:   [(TMP2:%.*]) = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:   [(TMP3:%.*]) = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT:   call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT:   call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT:   [(TMP4:%.*]) = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT:   store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT:   ret void

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #0 {

; NOT_TUNIT_NPM-LABEL: define
| {[@*+]} @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT:  bb:
; NOT_TUNIT_NPM-NEXT:   [(TMP:%.*]) = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:   store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:   ret void

; IS__TUNIT_NPM-LABEL: define
| {[@*+]} @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT:  bb:
; IS__TUNIT_NPM-NEXT:   [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT:   store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:   [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
  bb:
    %tmp = load <8 x i64>, <8 x i64>* %arg
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
    }
; IS__CGSCC_OPM-NEXT: [TMP3:%.*] = bitcast <8 x i64>* [TMP] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [TMP3], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [TMP2], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [TMP])
; IS__CGSCC_OPM-NEXT: [TMP4:%.*] = load <8 x i64>, <8 x i64>* [TMP2], align 64
; IS__CGSCC_OPM-NEXT: ret void

bb:
%arg = alloca <8 x i64>, align 32
%arg1 = alloca <8 x i64>, align 32
%arg2 = bitcast <8 x i64>* %arg to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %arg2, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg1, <8 x i64>* %arg2)
%arg3 = load <8 x i64>, <8 x i64>* %arg2, align 32
store <8 x i64> %arg3, <8 x i64>* %arg1, align 2
ret void

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {

bb:
%arg = alloca <8 x i64>, align 32
%arg1 = alloca <8 x i64>, align 32
%arg2 = bitcast <8 x i64>* %arg to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %arg2, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg2, <8 x i64>* %arg)
%arg3 = load <8 x i64>, <8 x i64>* %arg2, align 32
store <8 x i64> %arg3, <8 x i64>* %arg, align 2
ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {

bb:
%arg = alloca <8 x i64>, align 32
%arg1 = alloca <8 x i64>, align 32
%arg2 = bitcast <8 x i64>* %arg to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %arg2, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg2, <8 x i64>* %arg)
%arg3 = load <8 x i64>, <8 x i64>* %arg2, align 32
store <8 x i64> %arg3, <8 x i64>* %arg, align 2
ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {

bb:
%arg = alloca <8 x i64>, align 32
%arg1 = alloca <8 x i64>, align 32
%arg2 = bitcast <8 x i64>* %arg to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %arg2, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg2, <8 x i64>* %arg)
%arg3 = load <8 x i64>, <8 x i64>* %arg2, align 32
store <8 x i64> %arg3, <8 x i64>* %arg, align 2
ret void
}
define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
    bb:
        %tmp = load <8 x i64>, <8 x i64>* %arg1
        store <8 x i64> %tmp, <8 x i64>* %arg
        ret void
    }

; NOT_TUNIT_NPM-LABEL: define 
{{[^@]+}} @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; NOT_TUNIT_NPM-SAME: <8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:.*]]
; NOT_TUNIT_NPM-NEXT: bb:

bb:
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}

define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
    bb:
        %tmp = load <8 x i64>, <8 x i64>* %arg1
        store <8 x i64> %tmp, <8 x i64>* %arg
        ret void
    }

; IS__TUNIT_OPM-LABEL: define 
{{[^@]+}} @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_OPM-SAME: <8 x i64>* nocapture writeonly [[ARG:.*]]
; IS__TUNIT_OPM-NEXT: bb:

bb:
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}

; IS__TUNIT_NPM-LABEL: define 
{{[^@]+}} @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: <8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG1:.*]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg)

; IS__TUNIT_NPM-LABEL: define 
{{[^@]+}} @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: <8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG1:.*]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg)

; IS__TUNIT_NPM-LABEL: define 
{{[^@]+}} @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: <8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG1:.*]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg)

; IS__TUNIT_NPM-LABEL: define 
{{[^@]+}} @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: <8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG1:.*]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg)
align 64 dereferenceable(64) [[TMP]]
; IS__UNIT_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__UNIT_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__UNIT_NPM-NEXT:  ret void
;
; IS__CGSCC_OPM-LABEL: define {{[^@]+}} @avx512_legal256_prefer256_call_avx512_legal512_prefer256
@avx512_legal256_prefer256_call_avx512_legal512_prefer256( <8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT:  bb:
; IS__CGSCC_OPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT:    call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(%8 x i64)* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT:  bb:
; IS__CGSCC_OPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT:    call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(%8 x i64)* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT:  bb:
; IS__CGSCC_OPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT:    call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(%8 x i64)* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT:  bb:
; IS__CGSCC_OPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT:    call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(%8 x i64)* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT:  bb:
; IS__CGSCC_OPM-NEXT:    %tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(%8 x i64)* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}
define fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #2 {
  
  NOT_TUNIT_NPM-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256 {
    NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
  NOT_TUNIT_NPM-NEXT: bb:
    NOT_TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
    NOT_TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
    NOT_TUNIT_NPM-NEXT: ret void
  
  IS_TUNIT_NPM-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256 {
    IS_TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
  IS_TUNIT_NPM-NEXT: bb:
    IS_TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
    IS_TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
    IS_TUNIT_NPM-NEXT: ret void
  
  bb:
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg) #1 {
  
  IS_TUNIT_OPM-LABEL: define {{[^@]+}}@avx512_legal512_prefer256_call_avx512_legal256_prefer256 {
    IS_TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
  IS_TUNIT_OPM-NEXT: bb:
    IS_TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
    IS_TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
    IS_TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
    IS_TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
  IS_TUNIT_OPM-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
  IS_TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
  IS_TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  IS_TUNIT_OPM-NEXT: ret void
  
  IS_TUNIT_NPM-LABEL: define {{[^@]+}}@avx512_legal512_prefer256_call_avx512_legal256_prefer256
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

; This should promote
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #3 {

; NOT_TUNIT_NPM-LABEL: define {{[^@]+}}@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT: ret void

; IS__TUNIT_NPM-LABEL: define {{[^@]+}}@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg) #4 {

; IS__TUNIT_OPM-LABEL: define {{[^@]+}}@avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP0:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT:    call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* nocapture nofree nonnull writeonly
align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64)
[[TMP3]])
; IS__TUNIT_OPM-NEXT:    [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT:    store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT:    ret void
;
; IS__TUNIT_NPM-LABEL: define {{[^@]+}}@avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT:    bb:
; IS__TUNIT_NPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nofree nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT:    [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT:    call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT:    [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT:    store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT:    ret void
;
; IS__CGSCC_OPM-LABEL: define {{[^@]+}}@avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT:    bb:
; IS__CGSCC_OPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:    call void @llvm.memset.p0i8.i64(i8* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT:    [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__CGSCC_OPM-NEXT:    call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__CGSCC_OPM-NEXT:    [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT:    store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT:    ret void
;
; IS__CGSCC_NPM-LABEL: define {{[^@]+}}@avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT:    bb:
; IS__CGSCC_NPM-NEXT:    [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:    [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:    [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT: call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(8 x i64)* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], 8 x i64)* noalias nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]]
; IS__CGSCC_NPM-NEXT: [[TMP4:.*]] = load 8 x i64>, 8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT: store <8 x i64> [[TMP4]], 8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT: ret void

bb:
%tmp = alloca 8 x i64>, align 32
%tmp2 = alloca 8 x i64>, align 32
%tmp3 = bitcast 8 x i64>* %tmp to i8* call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false) call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(8 x i64)* %tmp2, 8 x i64>* %tmp) %tmp4 = load 8 x i64>, 8 x i64>* %tmp2, align 32 store 8 x i64> %tmp4, 8 x i64>* %arg, align 2 ret void

; This should promote
define internal fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(8 x i64)* %arg, 8 x i64>* readonly %arg1) #4 {

; NOT_TUNIT_NPM-LABEL: define {{[^@]+}}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; NOT_TUNIT_NPM-SAME: (8 x i64)* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:.*]], 8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT: [[TMP:.*]] = load 8 x i64>, 8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT: store 8 x i64> [[TMP]], 8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT: ret void

; IS__TUNIT_NPM-LABEL: define {{[^@]+}}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; IS__TUNIT_NPM-SAME: (8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:.*]], 8 x i64> [[TMP0:.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[ARG1_PRIV:.*]] = alloca 8 x i64>, align 64
; IS__TUNIT_NPM-NEXT: store 8 x i64> [[TMP0]], 8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: [[TMP:.*]] = load 8 x i64>, 8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: store 8 x i64> [[TMP]], 8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void

bb:
%tmp = load 8 x i64>, 8 x i64>* %arg1 store 8 x i64> %tmp, 8 x i64>* %arg
ret void

define void @avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg) #3 {
  ; IS__TUNIT_OPM-LABEL: define {{[^@]+}} @avx2_legal512_prefer256_call_avx2_legal256_prefer256
  ; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
  ; IS__TUNIT_OPM-NEXT: bb:
  ; IS__TUNIT_OPM-NEXT:  [[TMP%.%]] = alloca <8 x i64>, align 32
  ; IS__TUNIT_OPM-NEXT:  [[TMP2%.%]] = alloca <8 x i64>, align 32
  ; IS__TUNIT_OPM-NEXT:  [[TMP3%.%]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; IS__TUNIT_OPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
  ; IS__TUNIT_OPM-NEXT:  call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
  ; IS__TUNIT_OPM-NEXT:  [[TMP4%.%]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
  ; IS__TUNIT_OPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  ; IS__TUNIT_OPM-NEXT:  ret void
  ; IS__TUNIT_NPM-LABEL: define {{[^@]+}} @avx2_legal512_prefer256_call_avx2_legal256_prefer256
  ; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
  ; IS__TUNIT_NPM-NEXT: bb:
  ; IS__TUNIT_NPM-NEXT:  [[TMP%.%]] = alloca <8 x i64>, align 32
  ; IS__TUNIT_NPM-NEXT:  [[TMP2%.%]] = alloca <8 x i64>, align 32
  ; IS__TUNIT_NPM-NEXT:  [[TMP3%.%]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; IS__TUNIT_NPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
  ; IS__TUNIT_NPM-NEXT:  call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* noalias nocapture nofree nonnull align 64 dereferenceable(64) [[TMP0]])
  ; IS__TUNIT_NPM-NEXT:  [[TMP4%.%]] = load <8 x i64>, <8 x i64>* [[TMP0]], align 64
  ; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  ; IS__TUNIT_NPM-NEXT:  ret void
  ; IS__CGSCC_OPM-LABEL: define {{[^@]+}} @avx2_legal512_prefer256_call_avx2_legal256_prefer256
  ; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
  ; IS__CGSCC_OPM-NEXT: bb:
  ; IS__CGSCC_OPM-NEXT:  [[TMP%.%]] = alloca <8 x i64>, align 32
  ; IS__CGSCC_OPM-NEXT:  [[TMP2%.%]] = alloca <8 x i64>, align 32
  ; IS__CGSCC_OPM-NEXT:  [[TMP3%.%]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; IS__CGSCC_OPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
  ; IS__CGSCC_OPM-NEXT:  call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64)
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declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5

attributes #0 = { inlinehint norecurse nounwind uwtatable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="512" }

attributes #1 = { inlinehint norecurse nounwind uwtatable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="256" }

attributes #2 = { inlinehint norecurse nounwind uwtatable "target-features"="+avx512vl" "min-legal-vector-width"="256" "prefer-vector-width"="256" }

attributes #3 = { inlinehint norecurse nounwind uwtatable "target-features"="+avx2" "min-legal-vector-width"="512" "prefer-vector-width"="256" }

attributes #4 = { inlinehint norecurse nounwind uwtatable "target-features"="+avx2" "min-legal-vector-width"="256" "prefer-vector-width"="256" }

attributes #5 = { argnemonly nounwind }
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; Verify that fptosi(42.1) isn't simplified when the rounding mode is unknown.
; Verify that no gross errors happen.
; CHECK-LABEL: @f20
; COMMON: cfdctsiz
define i32 @f20(double %a) strictfp {
  entry:
  %result = call i32 @llvm.experimental.constrained.fptosi.i32.f64(double 42.1, metadata !"fpexcept.strict")
  strictfp
  ret i32 %result
}

@llvm.fp.env = thread_local global i8 zeroinitializer, section "llvm.metadata"
declare i32 @llvm.experimental.constrained.fptosi.i32.f64(double, metadata)

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==============================================================================
; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,AVX512VL256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512,AVX512VL512
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512,SKX512

define void @zext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: `zext256'
    ; VEC256-NEXT:  Cost Model: Found an estimated cost of 3 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 3 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
    ;
    ; AVX512VL512-LABEL: `zext256'
    ; AVX512VL512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; AVX512VL512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; AVX512VL512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; AVX512VL512-NEXT:  Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; AVX512VL512-NEXT:  Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to
define void @zext512() "min-legal-vector-width"="512" {
  ; AVX-LABEL: 'zext512'
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 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 3 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
}

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX512-LABEL: 'zext256'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; SKX512-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

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; AVX512VL512-LABEL: 'zext512'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX256-LABEL: 'zext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX512-LABEL: 'zext512'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; SKX512-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 3 for instruction: %A = sext <8 x i8> undef to <8 x i64>
VEC256-NEXT: Cost Model: Found an estimated cost of 3 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 3 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

AVX512VL512-LABEL: 'sext256'
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

SKX512-LABEL: 'sext256'
SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
SKX512-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 3 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  AVX-NEXT: Cost Model: Found an estimated cost of 3 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 3 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
;
  AVX512VL256-LABEL: 'sext512'
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
  AVX512VL512-LABEL: 'sext512'
  AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  AVX512VL512-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 1 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
;
; SKX512-NEXT: sext512
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; SKX512-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 @trunc256() "min-legal-vector-width"="256" {
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %A = trunc <8 x i64> undef to <8 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %B = trunc <8 x i64> undef to <8 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %C = trunc <8 x i64> undef to <8 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %D = trunc <16 x i32> undef to <16 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %E = trunc <16 x i32> undef to <16 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %F = trunc <32 x i16> undef to <32 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %A = trunc <8 x i64> undef to <8 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %B = trunc <8 x i64> undef to <8 x i16>
define i32 @zext256_vXi1() "min-legal-vector-width"="256" {
    %A = trunc <8 x i64> undef to <8 x i32>
    %B = trunc <8 x i64> undef to <8 x i16>
    %C = trunc <8 x i64> undef to <8 x i8>
    %D = trunc <16 x i32> undef to <16 x i16>
    %E = trunc <16 x i32> undef to <16 x i8>
    %F = trunc <32 x i16> undef to <32 x i8>
    ret void
}

define i32 @zext256_vXi1() "min-legal-vector-width"="256" {
    %V2i64 = zext <2 x i1> undef to <2 x i64>
    %V4i64 = zext <4 x i1> undef to <4 x i64>
    %V8i64 = zext <8 x i1> undef to <8 x i64>
    %V2i32 = zext <2 x i1> undef to <2 x i32>
    %V4i32 = zext <4 x i1> undef to <4 x i32>
    %V8i32 = zext <8 x i1> undef to <8 x i32>
    %V16i32 = zext <16 x i1> undef to <16 x i32>
    %V2i16 = zext <2 x i1> undef to <2 x i16>
    %V4i16 = zext <4 x i1> undef to <4 x i16>
    %V8i16 = zext <8 x i1> undef to <8 x i16>
    %V16i16 = zext <16 x i1> undef to <16 x i16>
    %V32i16 = zext <32 x i1> undef to <32 x i16>
    %V2i8 = zext <2 x i1> undef to <2 x i8>
    %V4i8 = zext <4 x i1> undef to <4 x i8>
    %V8i8 = zext <8 x i1> undef to <8 x i8>
    %V16i8 = zext <16 x i1> undef to <16 x i8>
    %V32i8 = zext <32 x i1> undef to <32 x i8>
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i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V64i8 = zext <64 x i1> undef to <64 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL256-LABEL: 'zext256_vXi1'
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef to <2 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef to <4 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i64 = zext <8 x i1> undef to <8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = zext <16 x i1> undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V2i16 = zext <2 x i1> undef to <2 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V4i16 = zext <4 x i1> undef to <4 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i16 = zext <8 x i1> undef to <8 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 12 for instruction: %V16i16 = zext <16 x i1> undef to <16 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %V32i16 = zext <32 x i1> undef to <32 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V2i8 = zext <2 x i1> undef to <2 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 12 for instruction: %V16i8 = zext <16 x i1> undef to <16 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 25 for instruction: %V32i8 = zext <32 x i1> undef to <32 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 50 for instruction: %V64i8 = zext <64 x i1> undef to <64 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL512-LABEL: 'zext256_vXi1'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef to <2 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef to <4 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = zext <8 x i1> undef to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = zext <16 x i1> undef to <16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V2i16 = zext <2 x i1> undef to <2 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V4i16 = zext <4 x i1> undef to <4 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i16 = zext <8 x i1> undef to <8 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 12 for instruction: %V16i16 = zext <16 x i1> undef to <16 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %V32i16 = zext <32 x i1> undef to <32 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V2i8 = zext <2 x i1> undef to <2 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 12 for instruction: %V16i8 = zext <16 x i1> undef to <16 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 25 for instruction: %V32i8 = zext <32 x i1> undef to <32 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 50 for instruction: %V64i8 = zext <64 x i1> undef to <64 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
to <4 x i64>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = zext <8 x i1> undef to <8 x i64>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x i32>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x i32>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i32 = zext <16 x i1> undef to <16 x i32>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V2i16 = zext <2 x i1> undef to <2 x i16>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V4i16 = zext <4 x i1> undef to <4 x i16>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i16 = zext <8 x i1> undef to <8 x i16>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V2i8 = zext <2 x i1> undef to <2 x i8>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V16i8 = zext <16 x i1> undef to <16 x i8>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V32i16 = zext <32 x i1> undef to <32 x i16>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V32i8 = zext <32 x i1> undef to <32 x i8>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 19 for instruction: %V64i8 = zext <64 x i1> undef to <64 x i8>
   ; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
   
   ; SKX256-LABEL: 'zext256_vXi1'
   ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef to <2 x i64>
   ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef to <4 x i64>
   ; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i64 = zext <8 x i1> undef to <8 x i64>
   ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x i32>
   ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>
   ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i16 = zext <32 x i1> undef to <32 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i8 = zext <2 x i1> undef to <2 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V3i16 = zext <3 x i1> undef to <3 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V3i16 = zext <3 x i1> undef to <3 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef

; AVX-LABEL: 'sext256_vXi1'
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64
; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = sext <2 x i1> undef to <2 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i64 = sext <4 x i1> undef to <4 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i64 = sext <16 x i1> undef to <16 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V32i64 = sext <32 x i1> undef to <32 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V64i64 = sext <64 x i1> undef to <64 x i64>

define i32 @sext256_vXi1("min-legal-vector-width"="256") {
    %V2i64 = sext <2 x i1> undef to <2 x i64>
    %V4i64 = sext <4 x i1> undef to <4 x i64>
    %V8i64 = sext <8 x i1> undef to <8 x i64>
    %V16i64 = sext <16 x i1> undef to <16 x i64>
    %V32i64 = sext <32 x i1> undef to <32 x i64>
    %V64i64 = sext <64 x i1> undef to <64 x i64>
    ret i32 undef
}
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i32 = sext <16 x i1> undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V2i16 = sext <2 x i1> undef to <2 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 10 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 20 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V2i8 = sext <2 x i1> undef to <2 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V4i8 = sext <4 x i1> undef to <4 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i8 = sext <8 x i1> undef to <8 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 10 for instruction: %V16i8 = sext <16 x i1> undef to <16 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 21 for instruction: %V32i8 = sext <32 x i1> undef to <32 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 42 for instruction: %V64i8 = sext <64 x i1> undef to <64 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef ;
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef to <4 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i32 = sext <16 x i1> undef to <16 x i32>
;
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i16 = sext <2 x i1> undef to <2 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i16 = sext <4 x i1> undef to <4 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i16 = sext <8 x i1> undef to <8 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i8 = sext <2 x i1> undef to <2 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i8 = sext <4 x i1> undef to <4 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = sext <8 x i1> undef to <8 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i8 = sext <16 x i1> undef to <16 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V32i8 = sext <32 x i1> undef to <32 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 15 for instruction: %V64i8 = sext <64 x i1> undef to <64 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; SKX256-LABEL: 'sext256_vXi1'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = sext <2 x i1> undef to <2 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i64 = sext <4 x i1> undef to <4 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i64 = sext <16 x i1> undef to <16 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = sext <2 x i1> undef to <2 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef to <4 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i32 = sext <16 x i1> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = sext <2 x i1> undef to <2 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = sext <4 x i1> undef to <4 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i16 = sext <8 x i1> undef to <8 x
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i8 = sext <2 x i1> undef to <2 x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i8 = sext <4 x i1> undef to <4 x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = sext <8 x i1> undef to <8 x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i8 = sext <16 x i1> undef to <16 x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i8 = sext <32 x i1> undef to <32 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V64i8 = sext <64 x i1> undef to <64 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = sext <2 x i1> undef to <2 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i64 = sext <4 x i1> undef to <4 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i64 = sext <16 x i1> undef to <16 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = sext <2 x i1> undef to <2 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef to <4 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i32 = sext <16 x i1> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = sext <2 x i1> undef to <2 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = sext <4 x i1> undef to <4 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i16 = sext <8 x i1> undef to <8 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>
define i32 @trunc_vXi1() "min-legal-vector-width"="256" {
    ; AVX-LABEL: 'trunc_vXi1'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V2i64 = trunc <2 x i64> undef to <2 x i1>

    ret i32 undef
}
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to <16 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V32i64 = trunc <32 x i64> undef to <32 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 46 for instruction: %V64i64 = trunc <64 x i64> undef to <64 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V32i32 = trunc <32 x i32> undef to <32 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 22 for instruction: %V64i32 = trunc <64 x i32> undef to <64 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i16 = trunc <16 x i16> undef to <16 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V64i16 = trunc <64 x i16> undef to <64 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V32i8 = trunc <32 x i8> undef to <32 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V64i8 = trunc <64 x i8> undef to <64 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL256-LABEL: 'trunc_vXi1'
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64> undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 22 for instruction: %V32i64 = trunc <32 x i64> undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 44 for instruction: %V64i64 = trunc <64 x i64> undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 10 for instruction: %V32i32 = trunc <32 x i32> undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 20 for instruction: %V64i32 = trunc <64 x i32> undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %V16i16 = trunc <16 x i16> undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 16 for instruction: %V32i16 = trunc <32 x i16> undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 32 for instruction: %V64i16 = trunc <64 x i16> undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 17 for instruction: %V32i8 = trunc <32 x i8> undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 34 for instruction: %V64i8 = trunc <64 x i8> undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef ;
; AVX512VL512-LABEL: 'trunc_vXi1'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64> undef to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 22 for instruction: %V32i64 = trunc <32 x i64> undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 44 for instruction: %V64i64 = trunc <64 x i64> undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V32i32 = trunc <32 x i32> undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %V64i32 = trunc <64 x i32> undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i16 = trunc <16 x i16> undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i16 = trunc <32 x i16> undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 14 for instruction: %V64i16 = trunc <64 x i16> undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i8 = trunc <32 x i8> undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 15 for instruction: %V64i8 = trunc <64 x i8>
 AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef

SKX256-LABEL: 'trunc_vXi1'

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64> undef to <2 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to <16 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V32i64 = trunc <32 x i64> undef to <32 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 47 for instruction: %V64i64 = trunc <64 x i64> undef to <64 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V32i32 = trunc <32 x i32> undef to <32 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V64i32 = trunc <64 x i32> undef to <64 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i16 = trunc <16 x i16> undef to <16 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V32i16 = trunc <32 x i16> undef to <32 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V64i16 = trunc <64 x i16> undef to <64 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>

SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x i1>
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1.205 jctools-core 2.1.2

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<junit.version>4.12</junit.version>
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</properties>
</project>

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1.206 goprotobuf 1.4.0

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1.207 readline 8.1.0-r0

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Version 3, 29 June 2007

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Found in path(s):
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQTopicConnectionFactory.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQXAConnectionFactory.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQJMSConsumer.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/api/jms/JMSFactoryType.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/api/jms/management/JMSSessionInfo.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQTopic.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/SelectorTranslator.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/JmsExceptionUtils.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQConnectionForContextImpl.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/api/jms/management/JMSSessionInfo.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQTopic.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/api/jms/management/JMSSessionInfo.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQJMSProducer.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQTemporaryTopic.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/api/jms/management/DestinationControl.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQStreamMessage.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQSession.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQMessageProducer.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
  jar/org/hornetq/jms/client/HornetQConnectionFactory.java
* /opt/cola/permits/1110674989_1606843959.62/0/hornetq-jms-client-2-4-7-final-sources-3-
1.230 libtirpc 1.3.1-r0

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Metadata-Version: 2.1
Name: Flask
Version: 2.0.2
Summary: A simple framework for building complex web applications.
Home-page: https://palletsprojects.com/p/flask
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
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Flask
=====

Flask is a lightweight `WSGI`_ web application framework. It is designed to make getting started quick and easy, with the ability to scale up to complex applications. It began as a simple wrapper around `Werkzeug`_ and `Jinja`_ and has become one of the most popular Python web application frameworks.

Flask offers suggestions, but doesn’t enforce any dependencies or project layout. It is up to the developer to choose the tools and libraries they want to use. There are many extensions provided by the community that make adding new functionality easy.

.. _WSGI: https://wsgi.readthedocs.io/
.. _Werkzeug: https://werkzeug.palletsprojects.com/
.. _Jinja: https://jinja.palletsprojects.com/

Installing
----------

Install and update using `pip`_:

```bash
pip install Flask
```
A Simple Example

```python
# save this as app.py
from flask import Flask

app = Flask(__name__)

@app.route("/")
def hello():
    return "Hello, World!"
```

Contributing

For guidance on setting up a development environment and how to make a contribution to Flask, see the `contributing guidelines`_.

`contributing guidelines: https://github.com/pallets/flask/blob/main/CONTRIBUTING.rst`

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Flask Extension Development

Anatomy of an Extension

Extensions are all located in a package called ``flask_something`` where "something" is the name of the library you want to bridge. So for example if you plan to add support for a library named `simplexml` to Flask, you would name your extension's package ``flask_simplexml``.
The name of the actual extension (the human readable name) however would be something like "Flask-SimpleXML". Make sure to include the name "Flask" somewhere in that name and that you check the capitalization. This is how users can then register dependencies to your extension in their :file:`setup.py` files.

But what do extensions look like themselves? An extension has to ensure that it works with multiple Flask application instances at once. This is a requirement because many people will use patterns like the :doc:`/patterns/appfactories` pattern to create their application as needed to aid unitests and to support multiple configurations. Because of that it is crucial that your application supports that kind of behavior.

Most importantly the extension must be shipped with a :file:`setup.py` file and registered on PyPI. Also the development checkout link should work so that people can easily install the development version into their virtualenv without having to download the library by hand.

Flask extensions must be licensed under a BSD, MIT or more liberal license in order to be listed in the Flask Extension Registry. Keep in mind that the Flask Extension Registry is a moderated place and libraries will be reviewed upfront if they behave as required.

"Hello Flaskext!"
-------------

So let's get started with creating such a Flask extension. The extension we want to create here will provide very basic support for SQLite3.

First we create the following folder structure:

```markdown
flask-sqlite3/
  flask_sqlite3.py
  LICENSE
  README
```

Here's the contents of the most important files:

```python
setup.py
```

The next file that is absolutely required is the :file:`setup.py` file which is used to install your Flask extension. The following contents are something you can work with:

```python
Flask-SQLite3
```
This is the description for that library

from setuptools import setup

setup(
    name='Flask-SQLite3',
    version='1.0',
    url='http://example.com/flask-sqlite3/',
    license='BSD',
    author='Your Name',
    author_email='your-email@example.com',
    description='Very short description',
    long_description=__doc__,
    py_modules=['flask_sqlite3'],
    # if you would be using a package instead use packages instead
    # of py_modules:
    # packages=['flask_sqlite3'],
    zip_safe=False,
    include_package_data=True,
    platforms='any',
    install_requires=['Flask'],
    classifiers=[
        'Environment :: Web Environment',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Topic :: Internet :: WWW/HTTP :: Dynamic Content',
        'Topic :: Software Development :: Libraries :: Python Modules'
    ]
)

That's a lot of code but you can really just copy/paste that from existing extensions and adapt.

flask_sqlite3.py

Now this is where your extension code goes. But how exactly should such an extension look like? What are the best practices? Continue reading for some insight.

Initializing Extensions
Many extensions will need some kind of initialization step. For example, consider an application that's currently connecting to SQLite like the documentation suggests (:doc:`/patterns/sqlite3`). So how does the extension know the name of the application object?

Quite simple: you pass it to it.

There are two recommended ways for an extension to initialize:

initialization functions:

If your extension is called `helloworld` you might have a function called `init_helloworld(app[, extra_args])` that initializes the extension for that application. It could attach before / after handlers etc.

classes:

Classes work mostly like initialization functions but can later be used to further change the behavior.

What to use depends on what you have in mind. For the SQLite 3 extension we will use the class-based approach because it will provide users with an object that handles opening and closing database connections.

When designing your classes, it's important to make them easily reusable at the module level. This means the object itself must not under any circumstances store any application specific state and must be shareable between different applications.

The Extension Code

Here's the contents of the `flask_sqlite3.py` for copy/paste::

```python
import sqlite3
from flask import current_app, _app_ctx_stack

class SQLite3(object):
    def __init__(self, app=None):
        self.app = app
        if app is not None:
            self.init_app(app)

    def init_app(self, app):
```

import sqlite3
from flask import current_app, _app_ctx_stack

class SQLite3(object):
    def __init__(self, app=None):
        self.app = app
        if app is not None:
            self.init_app(app)

    def init_app(self, app):
app.config.setdefault('SQLITE3_DATABASE', ':memory:)
app.teardown_appcontext(self.teardown)

def connect(self):
    return sqlite3.connect(current_app.config['SQLITE3_DATABASE'])

def teardown(self, exception):
    ctx = _app_ctx_stack.top
    if hasattr(ctx, 'sqlite3_db'):
        ctx.sqlite3_db.close()

@property
def connection(self):
    ctx = _app_ctx_stack.top
    if ctx is not None:
        if not hasattr(ctx, 'sqlite3_db'):
            ctx.sqlite3_db = self.connect()
    return ctx.sqlite3_db

So here's what these lines of code do:

1. The ``__init__`` method takes an optional app object and, if supplied, will call ``init_app``.
2. The ``init_app`` method exists so that the ``SQLite3`` object can be instantiated without requiring an app object. This method supports the factory pattern for creating applications. The ``init_app`` will set the configuration for the database, defaulting to an in memory database if no configuration is supplied. In addition, the ``init_app`` method attaches the ``teardown`` handler.
3. Next, we define a ``connect`` method that opens a database connection.
4. Finally, we add a ``connection`` property that on first access opens the database connection and stores it on the context. This is also the recommended way to handling resources: fetch resources lazily the first time they are used.

Note here that we're attaching our database connection to the top application context via ``__app_ctx_stack.top``. Extensions should use the top context for storing their own information with a sufficiently complex name.

So why did we decide on a class-based approach here? Because using our extension looks something like this::

```python
from flask import Flask
from flask_sqlite3 import SQLite3

app = Flask(__name__)
```
app.config.from_pyfile('the-config.cfg')
db = SQLite3(app)

You can then use the database from views like this::

```python
@app.route('/')
def show_all():
    cur = db.connection.cursor()
    cur.execute(...)
```

Likewise if you are outside of a request you can use the database by pushing an app context::

```python
with app.app_context():
    cur = db.connection.cursor()
    cur.execute(...)
```

At the end of the `with` block the teardown handles will be executed automatically.

Additionally, the `init_app` method is used to support the factory pattern for creating apps::

```python
db = SQLite3()
# Then later on.
app = create_app('the-config.cfg')
db.init_app(app)
```

Keep in mind that supporting this factory pattern for creating apps is required for approved flask extensions (described below).

.. admonition:: Note on `init_app`

   As you noticed, `init_app` does not assign `app` to `self`. This is intentional! Class based Flask extensions must only store the application on the object when the application was passed to the constructor. This tells the extension: I am not interested in using multiple applications.

   When the extension needs to find the current application and it does not have a reference to it, it must either use the :data:`flask.current_app` context local or change the API in a way that you can pass the application explicitly.

Using _app_ctx_stack
---------------------
In the example above, before every request, a `sqlite3_db` variable is assigned to `_app_ctx_stack.top`. In a view function, this variable is accessible using the `connection` property of `SQLite3`. During the teardown of a request, the `sqlite3_db` connection is closed. By using this pattern, the *same* connection to the sqlite3 database is accessible to anything that needs it for the duration of the request.

Learn from Others
-----------------

This documentation only touches the bare minimum for extension development. If you want to learn more, it's a very good idea to check out existing extensions on the `PyPI`_. If you feel lost there is still the `mailinglist`_ and the `Discord server`_ to get some ideas for nice looking APIs. Especially if you do something nobody before you did, it might be a very good idea to get some more input. This not only generates useful feedback on what people might want from an extension, but also avoids having multiple developers working in isolation on pretty much the same problem.

Remember: good API design is hard, so introduce your project on the mailing list, and let other developers give you a helping hand with designing the API.

The best Flask extensions are extensions that share common idioms for the API. And this can only work if collaboration happens early.

Approved Extensions
---------------------

Flask previously had the concept of approved extensions. These came with some vetting of support and compatibility. While this list became too difficult to maintain over time, the guidelines are still relevant to all extensions maintained and developed today, as they help the Flask ecosystem remain consistent and compatible.

0. An approved Flask extension requires a maintainer. In the event an extension author would like to move beyond the project, the project should find a new maintainer and transfer access to the repository, documentation, PyPI, and any other services. If no maintainer is available, give access to the Pallets core team.

1. The naming scheme is *Flask-ExtensionName* or *ExtensionName-Flask*. It must provide exactly one package or module named `flask_extension_name`.

2. The extension must be BSD or MIT licensed. It must be open source and publicly available.

3. The extension's API must have the following characteristics:
- It must support multiple applications running in the same Python process. Use `current_app` instead of `self.app`, store configuration and state per application instance.
- It must be possible to use the factory pattern for creating applications. Use the `ext.init_app()` pattern.

4. From a clone of the repository, an extension with its dependencies must be installable with `pip install -e .`.
5. It must ship a testing suite that can be invoked with `tox -e py` or `pytest`. If not using `tox`, the test dependencies should be specified in a `requirements.txt` file. The tests must be part of the sdist distribution.
6. The documentation must use the `flask` theme from the `Official Pallets Themes`. A link to the documentation or project website must be in the PyPI metadata or the readme.
7. For maximum compatibility, the extension should support the same versions of Python that Flask supports. 3.6+ is recommended as of 2020. Use `python_requires=">= 3.6"` in `setup.py` to indicate supported versions.

---

.. _PyPI: https://pypi.org/search/?c=Framework+%3A%3A+Flask
.. _mailinglist: https://mail.python.org/mailman/listinfo/flask
.. _Discord server: https://discord.gg/pallets
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---

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Blog Blueprint
==============

You'll use the same techniques you learned about when writing the authentication blueprint to write the blog blueprint. The blog should list all posts, allow logged in users to create posts, and allow the author of a post to edit or delete it.

As you implement each view, keep the development server running. As you save your changes, try going to the URL in your browser and testing them out.

The Blueprint
-------------

Define the blueprint and register it in the application factory.

```python
.. code-block:: python
    :caption: `flaskr/blog.py`

    from flask import (Blueprint, flash, g, redirect, render_template, request, url_for)
    from werkzeug.exceptions import abort
    from flaskr.auth import login_required
    from flaskr.db import get_db

    bp = Blueprint('blog', __name__)
```

Import and register the blueprint from the factory using `app.register_blueprint()` <Flask.register_blueprint>. Place the new code at the end of the factory function before returning the app.

```python
.. code-block:: python
    :caption: `flaskr/__init__.py`

    def create_app():
        app = ...
        # existing code omitted
```
from . import blog
app.register_blueprint(blog.bp)
app.add_url_rule('/', endpoint='index')

return app

Unlike the auth blueprint, the blog blueprint does not have a `url_prefix`. So the `index` view will be at `''/''`, the `create` view at `''/create''`, and so on. The blog is the main feature of Flaskr, so it makes sense that the blog index will be the main index.

However, the endpoint for the `index` view defined below will be `blog.index`. Some of the authentication views referred to a plain `index` endpoint. :meth:`app.add_url_rule() <Flask.add_url_rule>` associates the endpoint name `''index''` with the `''/''` url so that `''url_for('index')''` or `''url_for('blog.index')''` will both work, generating the same `''/''` URL either way.

In another application you might give the blog blueprint a `url_prefix` and define a separate `index` view in the application factory, similar to the `hello` view. Then the `index` and `blog.index` endpoints and URLs would be different.

Index
-----

The index will show all of the posts, most recent first. A `JOIN` is used so that the author information from the `user` table is available in the result.

.. code-block:: python
   :caption: ``flaskr/blog.py``

   @bp.route('/')
def index():
       db = get_db()
       posts = db.execute("SELECT p.id, title, body, created, author_id, username"
                         " FROM post p JOIN user u ON p.author_id = u.id"
                         " ORDER BY created DESC"
                       ).fetchall()
       return render_template('blog/index.html', posts=posts)

.. code-block:: html+django
When a user is logged in, the `header` block adds a link to the `create` view. When the user is the author of a post, they'll see an "Edit" link to the `update` view for that post. `loop.last` is a special variable available inside Jinja for loops. It's used to display a line after each post except the last one, to visually separate them.

.. _Jinja for loops: https://jinja.palletsprojects.com/templates/#for

Create
-----

The `create` view works the same as the auth `register` view. Either the form is displayed, or the posted data is validated and the post is added to the database or an error is shown.

The `login_required` decorator you wrote earlier is used on the blog views. A user must be logged in to visit these views, otherwise they
will be redirected to the login page.

.. code-block:: python
   :caption: `flaskr/blog.py`

@bp.route('/create', methods=('GET', 'POST'))
@login_required
def create():
    if request.method == 'POST':
        title = request.form['title']
        body = request.form['body']
        error = None

        if not title:
            error = 'Title is required.'

        if error is not None:
            flash(error)
        else:
            db = get_db()
            db.execute(
                'INSERT INTO post (title, body, author_id)
                VALUES (?, ?, ?)',
                (title, body, g.user['id'])
            )
            db.commit()
        return redirect(url_for('blog.index'))
    return render_template('blog/create.html')

.. code-block:: html+jinja
   :caption: `flaskr/templates/blog/create.html`

{% extends 'base.html' %}

{% block header %}
<h1>{% block title %}New Post{% endblock %}</h1>
{% endblock %}

{% block content %}
<form method="post">
    <label for="title">Title</label>
    <input name="title" id="title" value="{{ request.form['title'] }}" required>
    <label for="body">Body</label>
    <textarea name="body" id="body">{{ request.form['body'] }}</textarea>
    <input type="submit" value="Save">
</form>
{% endblock %}
Update

Both the `update` and `delete` views will need to fetch a `post` by `id` and check if the author matches the logged in user. To avoid duplicating code, you can write a function to get the `post` and call it from each view.

```python
.. code-block:: python

    def get_post(id, check_author=True):
        post = get_db().execute(
            'SELECT p.id, title, body, created, author_id, username
             FROM post p JOIN user u ON p.author_id = u.id
             WHERE p.id = ?
             ',
            (id,)
        ).fetchone()

        if post is None:
            abort(404, f"Post id {id} doesn't exist.")

        if check_author and post['author_id'] != g.user['id']:
            abort(403)

        return post
```

`:func:`abort` will raise a special exception that returns an HTTP status code. It takes an optional message to show with the error, otherwise a default message is used. `404` means "Not Found", and `403` means "Forbidden". (`401` means "Unauthorized", but you redirect to the login page instead of returning that status.)

The `check_author` argument is defined so that the function can be used to get a `post` without checking the author. This would be useful if you wrote a view to show an individual post on a page, where the user doesn't matter because they're not modifying the post.

```python
.. code-block:: python

    @bp.route('/<int:id>/update', methods=('GET', 'POST'))
    @login_required
    def update(id):
        post = get_post(id)
```
if request.method == 'POST':
    title = request.form['title']
    body = request.form['body']
    error = None

if not title:
    error = 'Title is required.'

if error is not None:
    flash(error)
else:
    db = get_db()
    db.execute(
        'UPDATE post SET title = ?, body = ?
        WHERE id = ?',
        (title, body, id)
    )
    db.commit()
    return redirect(url_for('blog.index'))

return render_template('blog/update.html', post=post)

Unlike the views you've written so far, the ``update`` function takes an argument, ``id``. That corresponds to the ``<int:id>`` in the route. A real URL will look like ``/1/update``. Flask will capture the ``1``, ensure it's an :class:`int`, and pass it as the ``id`` argument. If you don't specify ``int:`` and instead do ``<id>``), it will be a string.

To generate a URL to the update page, :func:`url_for` needs to be passed the ``id`` so it knows what to fill in: ``url_for('blog.update', id=post['id'])``. This is also in the ``index.html`` file above.

The `create` and `update` views look very similar. The main difference is that the `update` view uses a `post` object and an `UPDATE` query instead of an `INSERT`. With some clever refactoring, you could use one view and template for both actions, but for the tutorial it's clearer to keep them separate.

.. code-block:: html+jinja

    {% extends 'base.html' %}

    {% block header %}
    <h1>{% block title %}Edit "{{ post['title'] }}"{% endblock %}</h1>
    {% endblock %}

    {% block content %}
This template has two forms. The first posts the edited data to the current page (```/<id>/update```). The other form contains only a button and specifies an ```action``` attribute that posts to the delete view instead. The button uses some JavaScript to show a confirmation dialog before submitting.

The pattern ```{{ request.form['title'] or post['title'] }}`` is used to choose what data appears in the form. When the form hasn't been submitted, the original ```post``` data appears, but if invalid form data was posted you want to display that so the user can fix the error, so ```request.form``` is used instead. :data:`request` is another variable that's automatically available in templates.

Delete
------

The delete view doesn't have its own template, the delete button is part of ```update.html``` and posts to the ```/<id>/delete``` URL. Since there is no template, it will only handle the ```POST``` method and then redirect to the ```index``` view.

```python
@bp.route('/<int:id>/delete', methods=('POST',))
@login_required
def delete(id):
    get_post(id)
    db = get_db()
    db.execute('DELETE FROM post WHERE id = ?', (id,))
    db.commit()
    return redirect(url_for('blog.index'))
```
Congratulations, you've now finished writing your application! Take some time to try out everything in the browser. However, there's still more to do before the project is complete.

Continue to `doc:`install`.

Found in path(s):
* /opt/cola/permits/1210655077_1633438616.77/0/flask-2.0-2-tar-gz/Flask-2.0.2/docs/tutorial/blog.rst

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[metadata]
name = Flask
version = attr: flask.__version__
url = https://palletsprojects.com/p/flask
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://flask.palletsprojects.com/
  Changes = https://flask.palletsprojects.com/changes/
  Source Code = https://github.com/pallets/flask/
  Issue Tracker = https://github.com/pallets/flask/issues/
  Twitter = https://twitter.com/PalletsTeam
  Chat = https://discord.gg/pallets
license = BSD-3-Clause
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A simple framework for building complex web applications.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/Stable
  Environment :: Web Environment
  Framework :: Flask
  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python
  Topic :: Internet :: WWW/HTTP :: Dynamic Content
  Topic :: Internet :: WWW/HTTP :: WSGI
  Topic :: Internet :: WWW/HTTP :: WSGI :: Application
  Topic :: Software Development :: Libraries :: Application Frameworks

[options]
packages = find:
  package_dir = = src
  include_package_data = true
python_requires = >= 3.6
[options.packages.find]
where = src

[options.entry_points]
console_scripts =
flask = flask.cli:main

[tool:pytest]
testpaths = tests
filterwarnings =
error

[coverage:run]
branch = True
source =
flask
tests

[coverage:paths]
source =
src
*/site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E402
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/flask/__init__.py: F401

[mypy]
files = src/flask
python_version = 3.6
allow_redefinition = True
disallow_subclassing_any = True
no_implicit_optional = True
local_partial_types = True
strict_equality = True
warn_redundant_casts = True
warn-unused-configs = True
warn-unused-ignores = True
[mypy-asgiref.*]
ignore_missing_imports = True

[mypy-blinker.*]
ignore_missing_imports = True

[mypy-dotenv.*]
ignore_missing_imports = True

[egg_info]
tag_build =
tag_date = 0

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   :target: https://palletsprojects.com/p/itsdangerous/

Sometimes you just want to send some data to untrusted environments. But how to do this safely? The trick involves signing. Given a key only you know, you can cryptographically sign your data and hand it over to someone else. When you get the data back you can easily ensure that nobody tampered with it.

Granted, the receiver can decode the contents and look into the package, but they can not modify the contents unless they also have your secret key. So if you keep the key secret and complex, you will be fine.

Internally itsdangerous uses HMAC and SHA-512 for signing by default. The initial implementation was inspired by `Django's signing module <https://docs.djangoproject.com/en/dev/topics/signing/>`_. It also supports JSON Web Signatures (JWS). The library is BSD licensed.

Installing
----------

Install and update using `pip`:

.. code-block:: text

   pip install -U itsdangerous


Example Use Cases
------------------

- You can serialize and sign a user ID in a URL and email it to them to unsubscribe from a newsletter. This way you don't need to
generate one-time tokens and store them in the database. Same thing with any kind of activation link for accounts and similar things.
- Signed objects can be stored in cookies or other untrusted sources which means you don't need to have sessions stored on the server, which reduces the number of necessary database queries.
- Signed information can safely do a roundtrip between server and client in general which makes them useful for passing server-side state to a client and then back.

Table of Contents

.. toctree::

   signer
   serializer
   exceptions
   timed
   url_safe
   jws
   encoding
   license
   changes

Found in path(s):
* /opt/cola/permits/1160881332_1620412835.08/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/docs/index.rst

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The initial implementation of itsdangerous was inspired by Django's signing module.

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```python
import io
import re

from setuptools import find_packages
from setuptools import setup
```
with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/itsdangerous/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"__version__ = "(.*?)"", f.read()).group(1)

setup(
    name="itsdangerous",
    version=version,
    url="https://palletsprojects.com/p/itsdangerous/",
    project_urls={
        "Documentation": "https://itsdangerous.palletsprojects.com/",
        "Code": "https://github.com/pallets/itsdangerous",
        "Issue tracker": "https://github.com/pallets/itsdangerous/issues",
    },
    license="BSD",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets Team",
    maintainer_email="contact@palletsprojects.com",
    description="Various helpers to pass data to untrusted environments and back.",
    long_description=readme,
    packages=find_packages("src"),
    package_dir={"": "src"},
    include_package_data=True,
    python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
    classifiers=[
        "Development Status :: 5 - Production/Stable",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: BSD License",
        "Operating System :: OS Independent",
        "Programming Language :: Python",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 2.7",
        "Programming Language :: Python :: 3",
        "Programming Language :: Python :: 3.4",
        "Programming Language :: Python :: 3.5",
        "Programming Language :: Python :: 3.6",
        "Programming Language :: Python :: 3.7",
    ],
)

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* /opt/cola/permits/1160881332_1620412835.08/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/setup.py
1.237 pymongo 3.10.1

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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
* java.sun.security.ssl

------

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

-----

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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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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1.249 rocksdb 11
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
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  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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AES in librhcrypto

rijndael-alg-fst.c
Optimised ANSI C code for the Rijndael cipher (now AES)

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DES core in libhcrypto

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D3DES (V5.09)

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lib/hcrypto/test_dh.c

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1.271 curl 7.58.0-2ubuntu2

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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

-----
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

------

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

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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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the
user logs in, and set a flag in the user's homedir if possible to prevent
repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}
+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+
PAM_MODUTIL_DEF_PRIVS(privs);
+
+
/* Get the password entry */
+
pwd = pam_modutil_getpwnam (pamh, user);
+
if (pwd != NULL)
+
{
+
if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+
pam_syslog(pamh, LOG_ERR,
+
"Unable to change UID to %d temporarily\n",
+
pwd->pw_uid);
+
retval = PAM_SESSION_ERR;
+
goto finished;
+
}
+
+
if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+
goto finished;
+
if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+
goto finished;
+
+
if (stat(flag, &s) != 0)
+
{
+
display_file(pamh, "/etc/legal");
+
mkdir(dir, 0700);
+
f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+
S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+
if (f>=0) close(f);
+
}
+
+finished:
+
if (pam_modutil_regain_priv(pamh, &privs)) {
+
pam_syslog(pamh, LOG_ERR,

Open Source Used In Branch Migration Tool 1.9 2649


"Unable to change UID back to %d\n", privs.old_uid);
  retval = PAM_SESSION_ERR;
  }
  }
  _pam_drop(flag);
  _pam_drop(dir);
  }
  return retval;
}

PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
    /* Display the updated motd */
    display_file(pamh, motd_path);
    /* Display the legal disclaimer only if necessary */
    retval = display_legal(pamh);
    return retval;
}

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.280 lsb 9.20170808ubuntu1
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Upstream-Name: LSB implementation package

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1.293 hibernate-envers 5.3.20.Final

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

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

------------------------------------------------------------------------
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1.302 jline-reader 3.12.1

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* /opt/cola/permits/1114600224_1607534234.11/0/jline-reader-3-12-1-sources-jar/org/jline/reader/impl/SimpleMaskingCallback.java
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* /opt/cola/permits/1114600224_1607534234.11/0/jline-reader-3-12-1-sources-jar/org/jline/reader/impl/DefaultParser.java
* /opt/cola/permits/1114600224_1607534234.11/0/jline-reader-3-12-1-sources-jar/org/jline/reader/LineReader.java
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1.303 opentracing-util 0.33.0

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Class, field, and method level annotations for describing thread-safety policies.

Three class-level annotations describe the intended thread-safety promises of a class: @Immutable, @ThreadSafe, and @NotThreadSafe. @Immutable means that the class is immutable, and implies @ThreadSafe. @NotThreadSafe is optional; if a class is not annotated as thread-safe, it should be presumed not to be thread-safe, but if you want to make it extra clear, use @NotThreadSafe.

These annotations are relatively unintrusive and are beneficial to both users and maintainers. Users can see immediately whether a class is thread-safe, and maintainers can see immediately whether thread-safety guarantees must be preserved. Annotations are also useful to a third constituency: tools. Static code-analysis tools may be able to verify that the code complies with the contract indicated by the annotation, such as verifying that a class annotated with @Immutable actually is immutable.

Field and method annotations

The class-level annotations above are part of the public documentation.
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<p>Classes that use locking should document which state variables are guarded with which locks, and which locks are used to guard those variables. A common source of inadvertent non-thread-safety is when a thread-safe class consistently uses locking to guard its state, but is later modified to add either new state variables that are not adequately guarded by locking, or new methods that do not use locking properly to guard the existing state variables. Documenting which variables are guarded by which locks can help prevent both types of omissions.
</p>

<p>The <code>@GuardedBy(lock)</code> annotation documents that a field or method should be accessed only with a specific lock held.</p>

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1.305 pam 1.3.1-5ubuntu4.3

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1.306 sshpass 1.06-r0

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1.309 artemis-service-extensions 2.16.0

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* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/XACMLConstants.java
* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/policy/EnvironmentsType.java
* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/policy/CombinerParametersType.java
* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/policy/ActionsType.java
* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/policy/TargetType.java
* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/policy/ResourcesType.java
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* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/ctx/StatusDetailType.java
* /opt/ws_local/PERMITS_SQL/1045091024_1591129365.55/0/opensaml-xacml-api-3-3-1-sources-jar/org/opensaml/xacml/policy/DeclarationType.java
1.314 tzdata 2021e-0ubuntu0.20.04

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It was downloaded from https://www.iana.org/time-zones

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Commentary should be addressed to tz@iana.org

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This package was put together by Vaidhyanathan G Mayilrangam
<vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources obtained from ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz.
Current versions of the ncurses sources are found at ftp://invisible-island.net/ncurses/.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
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<mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup
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Where more traditional diff tools, such as Python's `difflib <https://docs.python.org/3.6/library/difflib.html>`_ library, consider lines independently and their order as important, diffios considers hierarchical configuration blocks independently and pays no mind to the order of the lines, only whether they are present or not, in the same way a Cisco device would.

This means we can declare our expectations in a baseline template, and then compare our device configurations against it. diffios will generate an output which details where our device configurations differ from our expectations. For elements we expect to vary, such as hostnames and IP addresses, diffios makes use of variables, and will ignore pre-defined junk lines that bear no relevance on our configuration.

The goal of diffios is to make the compliance auditing of large network estates more manageable.

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   :target: https://travis-ci.org/robphoenix/diffios

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.. image:: https://readthedocs.org/projects/diffios/badge/?version=latest&style=flat-square

Installation
-------------

Install via pip

.. code:: bash

   pip install diffios
Usage examples

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

We'll need a baseline template that we expect all of our devices to conform to. This can be any kind of text file, `:code:` .txt`, `:code:` .conf`, `:code:` .cfg` or however you store your device configuration files. It can also be a Python list if you want.

Here we have a simple **baseline.txt** file.

.. code::

    version 15.3
    
    hostname ABC[ { SITE_ID } ]RT01
    
    ip domain name diffios.dev
    
    username admin privilege 15 secret 5 [ { SECRET } ]
    
    interface Loopback0
    ip address [ { LOOPBACK_IP } ] 255.255.255.255
    
    interface FastEthernet0/1
    description *** Link to Core ***
    ip address [ { FE_01_IP_ADDRESS } ] 255.255.255.0
    duplex auto
    speed auto
    
    interface FastEthernet0/2
    no ip address
    shutdown
    
    interface Vlan100
    description User
    ip address [ { VLAN100_IP } ] 255.255.255.0
    
    interface Vlan200
    description Corporate
    ip address [ { VLAN200_IP } ] 255.255.255.0
    no shutdown
    
    line vty 0 4
    exec-timeout 5 0
Within this baseline file we can use variables, defined by the double curly braces (`{{  }}`), in place of changeable elements such as hostnames and IP addresses.

We can then collect the output from a show run command from the device we want to compare and save it in a file. Here we have a configuration file, **device_01.txt**, that has a number of differences to our baseline.

.. code::

   Building configuration...

   Current configuration : 1579 bytes
   !
   ! Last configuration change at 12:32:40 UTC Thu Oct 27 2016
   ! NVRAM config last updated at 16:10:30 UTC Tue Nov 8 2016 by admin
   version 15.3
   !
   hostname ABC12345RT01
   !
   !
   ip domain name diffios.dev
   !
   interface Loopback0
   ip address 192.168.100.1 255.255.255.255
   !
   !
   interface FastEthernet0/1
   description *** Link to Core ***
   ip address 192.168.0.1 255.255.255.128
duplex auto
   speed auto
   !
   interface FastEthernet0/2
   ip address 192.168.0.2 255.255.255.0
duplex auto
   speed auto
   !
   interface Vlan100
description User
   ip address 10.10.10.1 255.255.255.0
.. code::

    Building configuration...
    Current configuration
    Last configuration change
    NVRAM config last updated

So, now that we have our configurations ready we can compare them.

.. code:: python

    >>> import diffios
    >>>
    >>> baseline = "baseline.txt"
    >>> comparison = "device_01.txt"
    >>> ignore = "ignore.txt"
    >>>
    # We initialise a diffios Compare() object with our three files.
    # The ignore file is optional, and defaults to an empty list.
>>> diff = diffios.Compare(baseline, comparison, ignore)
# From this Compare object we can see the differences between our
# configurations using the delta() method.
>>> print(diff.delta())
--- baseline
+++ comparison

1. 1: interface FastEthernet0/1
2. ip address {{ FE_01_IP_ADDRESS }} 255.255.255.0
3. 2: interface FastEthernet0/2
4. no ip address
5. shutdown
6. 3: interface Vlan200
7. description Corporate
8. ip address {{ VLAN200_IP }} 255.255.255.0
9. no shutdown
10. 4: line vty 0 4
11. transport input ssh
12. transport output ssh
13. 5: username admin privilege 15 secret 5 {{ SECRET }}

14. 1: interface FastEthernet0/1
15. ip address 192.168.0.1 255.255.255.128
16. 2: interface FastEthernet0/2
17. ip address 192.168.0.2 255.255.255.0
18. duplex auto
19. speed auto
20. 3: interface Vlan300
21. description Corporate
22. ip address 10.10.10.2 255.255.255.0
23. no shutdown
24. 4: ip route 0.0.0.0 0.0.0.0 192.168.0.2
25. 5: line vty 0 4
26. transport input telnet ssh
27. transport output telnet ssh

The output above lists the lines of configuration that are missing from our
device but that are present in our baseline template, shown by lines prefixed
with a `:`. Lines that are present in our device that are not in our baseline
template are prefixed with a `+`. Each block is numbered and listed in context
with it’s parent line. Currently this output doesn’t signify whether the parent
line is part of the difference or only there to provide context.

We can also audit a large number of devices against a single baseline. Below is
an example script that checks every file within a given directory against a
baseline and stores the differences in a CSV file.

.. code:: python
import os
import csv

import diffios

IGNORE_FILE = os.path.join(os.getcwd(), "ignores.txt")
COMPARISON_DIR = os.path.join(os.getcwd(), "configs", "comparisons")
BASELINE_FILE = os.path.join(os.getcwd(), "configs", "baselines", "baseline.txt")

# the CSV file we will write to
output = os.path.join(os.getcwd(), "diffs.csv")

with open(output, 'w') as csvfile:
csvwriter = csv.writer(csvfile, lineterminator='\n')
# write the headers
csvwriter.writerow(['Comparison', 'Baseline', 'Additional', 'Missing'])
files = sorted(os.listdir(COMPARISON_DIR))
for f in files:
    comparison_file = os.path.join(COMPARISON_DIR, f)
    # initialise the diffios Compare object
diff = diffios.Compare(BASELINE_FILE, comparison_file, IGNORE_FILE)
csvwriter.writerow([
    f,
    os.path.basename(BASELINE_FILE),
    # write the formatted differences to the csv file
diff.pprint_additional(),
    diff.pprint_missing()
])

The pretty print methods used above format the data in a more readable manner.
We can compare the output from the `additional()` method and the `pprint_additional()` method.

The `additional()`, and `missing()`, methods return a list of lists that represent each block that contains a difference.

.. code:: python

    >>> from pprint import pprint
    >>> pprint(diff.additional())
    [['interface FastEthernet0/1', ' ip address 192.168.0.1 255.255.255.128'],
     ['interface FastEthernet0/2',
      ' ip address 192.168.0.2 255.255.255.0',
      ' duplex auto',
      ' speed auto'],
     ['interface Vlan300',
      ' description Corporate',
      ...]
Whereas the `pprint_additional()` and `print_missing()` methods return strings that represent all the differences, with each block separated by a newline.

```python
>>> print(diff.pprint_additional())
interface FastEthernet0/1
  ip address 192.168.0.1 255.255.255.128

interface FastEthernet0/2
  ip address 192.168.0.2 255.255.255.0
  duplex auto
  speed auto

interface Vlan300
  description Corporate
  ip address 10.10.10.2 255.255.255.0
  no shutdown

  ip route 0.0.0.0 0.0.0.0 192.168.0.2

  line vty 0 4
    transport input telnet ssh
    transport output telnet ssh
```

Development setup
------------------

To run the test suite

```bash
git clone https://github.com/robphoenix/diffios
cd diffios
# Here you may want to set up a virtualenv
make init # this will install, via pip, test & documentation dependencies
make test # run pytest with configuration options in setup.cfg
```

Contributing
------------
Please read `CONTRIBUTING.md`
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Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
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Found in path(s):
* /opt/cola/permits/1156778586_1619424626.53/0/diffios-0-0-9-tar-gz/diffios-0.0.9/PKG-INFO
* /opt/cola/permits/1156778586_1619424626.53/0/diffios-0-0-9-tar-gz/diffios-0.0.9/diffios.egg-info/PKG-INFO

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Found in path(s):
* /opt/cola/permits/1156778586_1619424626.53/0/diffios-0-0-9-tar-gz/diffios-0.0.9/setup.py

1.320alsa-lib 1.1.8-1
1.320.1 Available under license:

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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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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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```
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1.334 procs 3.3.15-2

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1.335 libglx0 1.1.0-1

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* https://github.com/eclipse-ee4j/jsonp

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# Proposal

Add "host_talent" and "contributors" properties to the credit_trait which is identical to the "by" property but representing content contributors other than the primary editors/producers.

## Host_talent

A moderator, interviewer, main on-camera talent.

## Contributors

The editors, shooters, producers, and graphic editors of the work.

# Example

```json
{  
  "credits": {  
    "host_talent": [  
      {  
        "type": "author",  
        "name": "Mary Beth Albright"  
      }  
    ],  
    "by": [  
      {  
        "type": "author",  
        "name": "Linda Williams",  
        "org": "The Washington Post"  
      }  
    ],  
    "contributors": [  
      
    ]
  }
}
```
# Concerns

None

# Implementation

The Goldfish team will implement this and add to the schema if this proposal is accepted.

1.360 postgre-sql 20211001.074732

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1.361 tdb 1.45.5

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            </head>
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        </html>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distibuted to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- the server, modify `distribution/feature-packs/server-feature-pack/src/main/resources/licenses/rh-sso/license.xml`
- an adapter, modify `distribution/([saml-adapters,adapters])/*/src/main/resources/licenses/rh-sso/licenses.xml` for
example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
```
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```

and non-maven dependencies:

```xml
```
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
```

```xml
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:
- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or

```html
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-) 

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="productname"/>
    <xsl:param name="version"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />
    <xsl:template match="/">
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            <head>
                <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
                <table>
                    <tr>
                        <th>Package Group</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)"/>
                        <tr>
                            <td><xsl:value-of select="groupId"/></td>
                            <td><xsl:value-of select="artifactId"/></td>
                            <td><xsl:value-of select="version"/></td>
                            <td>
                                <ul>
                                    <xsl:for-each select="licenses/license">
                                        <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
                                    </xsl:for-each>
                                </ul>
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                            <td></td>
                        </tr>
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            </body>
        </html>
    </xsl:template>
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  "clean": "rimraf lib",
  "fix": "eslint . --fix",
  "lib": "rollup -c",
  "lint": "eslint .",
  "precommit": "lint-staged && npm-run-all types test",
  "prepare": "npm-run-all clean -p lib types",
  "test": "nyc mocha 'test/**/*ts'",
  "types": "tsc",
  "verify": "npm-run-all lint types test"
},
"lint-staged": {
  "*.js,ts": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1",
  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-prettier": "^3.1.4",
  "eslint-plugin-promise": "^4.2.1",
  "eslint-plugin-simple-import-sort": "^6.0.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0",
  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin-filesize": "^9.1.1",
  "rollup-plugin-flow-entry": "^0.3.5",
  "rollup-plugin-mjs-entry": "^0.1.1",
  "sucrase": "^3.18.1",
  "typescript": "^4.1.2"
}
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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy). Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

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## Changelog

- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>.<minor>.<patch>`
And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author
- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component
To include as a [component](http://github.com/component/component), just run

    $ component install FortAwesome/Font-Awesome

Or add

    "FortAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

    $ bundle install
    $ npm install

Build the project and documentation:

    $ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

    $ bundle exec jekyll -w serve

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t { };

using vector = boost::mpl::vector((1..input_size).to_a.map [ [n] t<n> ])

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() { }

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#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif
#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif
#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>
namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::false_;  
using boost::move_detail::yes_type;  
using boost::move_detail::no_type;  
using boost::move_detail::apply;  
using boost::move_detail::eval_if_c;  
using boost::move_detail::eval_if;  
using boost::move_detail::unvoid_ref;  
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + 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;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)     
    template <typename T>                                          
    struct boost_intrusive_has_type_##TNAME                      
    {                                                              
        template <typename X>                                       
        static char test(int, typename X::TNAME*);                  
        
        template <typename X>                                       
        static int test(...);                                       
        
        static const bool value = (1 == sizeof(test<T>(0, 0)));     
    }                                                             

    template <typename T, typename DefaultType>                    
struct boost_intrusive_default_type_##TNAME                     
{                                                              
    struct DefaultWrap { typedef DefaultType TNAME; };          

typedef typename ::boost::intrusive::detail::if_c
< boost_intrusive_has_type_ ## TNAME<T>::value
 , T, DefaultWrap>::type::TNAME type;
};
//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL) \ 
typename INSTANTIATION_NS_PREFIX
 boost_intrusive_default_type_ ## TNAME<T, TIMPL>::type
//

#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME) \ 
INSTANTIATION_NS_PREFIX
 boost_intrusive_has_type_ ## TNAME<T>::value
//

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)\ 
template <typename T, typename DefaultType> \ 
struct boost_intrusive_eval_default_type_ ## TNAME \ 
{
 template <typename X>
 static char test(int, typename X::TNAME*);

 template <typename X>
 static int test(...);

 struct DefaultWrap
 { typedef typename DefaultType::type TNAME; 
  static const bool value = (1 == sizeof(test<T>(0, 0))); 
  typedef typename ::boost::intrusive::detail::eval_if_c
  < value
   , ::boost::intrusive::detail::identity<T>
   , ::boost::intrusive::detail::identity<DefaultWrap>
   >::type::TNAME type;
  }; 
};
//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL) 

//

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX, TYPEDEF_TO_FIND) 

template <class T>
struct TRAITS_PREFIX##_bool
{
    template<bool Add>
    struct two_or_three {yes_type [_2 + Add];};
    template <class U> static yes_type test(...);
    template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);
    static const std::size_t value = sizeof(test<T>(0));
};

template <class T>
struct TRAITS_PREFIX##_bool_is_true
{
    static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;
};

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME, FUNC_NAME) 
    template <typename U, typename Signature> 
    class TRAITS_NAME 
    { 
    private: 
        template<Signature> struct helper;
        template<typename T> static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*);
        template<typename T> static ::boost::intrusive::detail::no_type test(...);
    public: 
        static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type);
    }; 

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) 
    template <typename Type> 
    struct TRAITS_NAME 
    { 
        struct BaseMixin 
        { 
            void FUNC_NAME(); 
        };
        struct Base : public Type, public BaseMixin { Base(); };
        template <typename T, T t> class Helper{};
        template <typename U> static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*)(), &U::FUNC_NAME>* = 0); 
        static const bool value = sizeof(test((Base*)(0))) == sizeof(test((Base*)(0)));
    };
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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].

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.

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Please note that these types no longer inherit from <code class="computeroutput">integral_constant</code> to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.
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DEALINGS IN THE SOFTWARE.
var group__group_ext_mpl =
[
  [ "integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
  [ "list", "structboost_1_1mpl_1_1list.html", null ],
  [ "vector", "structboost_1_1mpl_1_1vector.html", null ]
];
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { };

using vector = mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %;

int main() {

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#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/move/detail/mpl.hpp>
#include <boost/intrusive/detail/mpl.hpp>

#endif BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#endif BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <boost/intrusive/detail/mpl.hpp>

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#include <cstdlib>

namespace boost {
namespace container {
namespace dtl {

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_;
using boost::move_detail::or_;
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

template <class FirstType>
struct select1st {
  typedef FirstType type;

  template <class T>
  const type& operator()(const T& x) const
  { return x.first; }

  template <class T>
  type& operator()(T& x)
  { return const_cast<type&>(x.first); }
}
template <class T, class=void>
struct is_transparent
{
    static const bool value = false;
};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
    : boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{};

}  //namespace dtl {
}  //namespace container {
}  //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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//
//
////////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif  //ifndef BOOST_CONFIG_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

# endif  //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

//
// Open Source Used In Branch Migration Tool 1.9  3371
#ifndef

#include <cstdint>

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_;
  }
};

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<


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<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 {
#endif //#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic
def authors(filename):
log = run(['git', 'log', '--follow',
'--date=short','--format=%aN%x09%ad', filename],
universal_newlines=True)
for line in log.splitlines():
author, date = line.split('\t')
if author != 'fix-copyright.py':
yield author, datetime.strptime(date, '%Y-%m-%d')
def new_copyright(filename, previous):
def f():
au = list(authors(filename))
alldates = map(itemgetter(1), au)
aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
for author, records in groupby(aup, itemgetter(0)):
dates = filter(None, map(itemgetter(1), records))
if not dates: dates = alldates
start = min(dates)
end = max(dates)
fmt = '{0}' if start.year == end.year else '{0}-{1}'
line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
key = (start, author)
yield key, line
return map(itemgetter(1), sorted(f()))
def fix_copyright(filename):
# Find copyright block in original file
prefix = set()
names = []
lines = []
with open(filename, 'r') as f:
content = list(f)
for i, line in enumerate(content[:15]):
m = re.match(r'^(?P<prefix>\W*)(\(c\))?\s*?copyright\s*(\(c\))?\s+\d{4}(\s*-\s*\d{4})?\s+(?P<name>.+?)\s*$',
line, re.IGNORECASE)
if m:

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d = m.groupdict()
prefix.add(d['prefix'])
lines.append(i)
names.append(d['name'].strip())
if len(prefix) != 1:
    print 'Not found:', filename
    return
prefix = list(prefix)[0]

print filename
new = iter(new_copyright(filename, names))
with open(filename, 'w') as f:
    for i, line in enumerate(content):
        if i in lines:
            for repl in new:
                print >>f, prefix + repl
        else:
            print >>f, line,
pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

    for f in all_files():
        fix_copyright(f)
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[article Invalid copyright
[quickbook 1.5]
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]

Maybe this should pass?
<?xml version="1.0" encoding="utf-8"?>

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<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--hr /-->
<para>
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</para>
<!--hr /-->
</section>
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 (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 Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(aget@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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Adapters for Boost.MPL containers.

- `boost::mpl::integral_c< T, v >` Adapter for IntegralConstants from the Boost.MPL. (More...)

External adapters:

- `boost::mpl::integral_c&< T, v &gt;` Adapter for IntegralConstants from the Boost.MPL.
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-->
<!-- boost-no-inspect -->
<!-- HTML footer for doxygen 1.8.9.1-->
<!-- start footer part -->
<div id="nav-path" class="navpath"><ul>
</ul></div>
</body>
</html>

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-->

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=======

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http_parser.c is based on src/http/ngx_http_parse.c from NGINX copyright Igor Sysoev.

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#include <boost/mpl/fold.hpp>
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/vector.hpp>

template <typename State, typename X>
struct f { using type = X; };

struct state { };

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;
using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;

int main() {}  
//
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http://www.boost.org/LICENSE_1_0.txt
//

[#mpl]
# MPL Support, <boost/mp11/mpi.hpp>
:toc:
:toc-title:
:idprefix:

The header `<boost/mp11/mpi.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

Boost.Geometry (aka GGL, Generic Geometry Library)

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/*

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* 
*/

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
// 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&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href="" << (p.root / p.file).string() << "">"" << p.file.string() << "</a>";
    return os;
}

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;
}

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";
if(m_module_list.size() == 1)
{
    os << " for " << *m_module_list.begin();
}

os <<
"</title>
""</head>
""</body>
""<H1>Boost Licence Dependency Information";
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>
""<a href="#authors">Files with no recognised copyright holder</a>
if(!m_bsl_summary_mode)
{
"Moving to the Boost Software License...
" "<a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>
" "<a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>
" "<a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a>
" "<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a>
" "<a href="#copyright">Copyright Holder Information</a>
" ;
}

os << "<a name="depend"></a>File Dependency Information
" "</pre>
;

//
// input Information:
//
if(m_scan_mode)
os << "<h2>Input Information</h2>
" "<p>The following files were scanned for boost dependencies:<BR>
" else
os << "<p>The following Boost modules were checked:<BR>
" 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 << "The Boost path was: <code>" << m_boost_path.string() << "</code>
" //
// 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"usz);
static const boost::regex version_regex("^[\[:blank:\]*#\[[:blank:\]*define\[[:blank:\]*BOOST_VERSION\[[:blank:\]*+(\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 << "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">Licence Summary</a>
  <h2>Licence Summary</h2>
  while(i != j)
  {
    // title:
    os << "<H3>" << licenses.first[i->first].license_name << "</H3>
    // 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="#" "(see details)</a>";
    os << "</P></BLOCKQUOTE>";
    ++i;
  }
  //
  // and now the details:
  //
  i = m_license_data.begin();
  j = m_license_data.end();
  int license_index = 0;
  os << "<a name="details">Licence Details</a>
  <h2>Licence Details</h2>
  while(i != j)
  {
    // title:
    os << "<H3><A name="" << make_link_target(licenses.first[i->first].license_name) << ""><a name="" licenses.first[i->first].license_name << "</H3>
    // 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><P>
    // Files using this license:
    os << "<P>This license applies to the following " << i->second.files.size() << " files:
    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><P>
    }
    else
    {
        os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).
    ++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><P>
    "<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>
    "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
    holder:</P><BLOCKQUOTE><P>
    i2 = m_unknown_authors.begin();
    j2 = m_unknown_authors.end();
    while(i2 != j2)
{  
  os << split_path(m_boost_path, *i2) << "<br>\n";  
  ++i2;  
}
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:\n";  
  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: <tt>" << split_path(m_boost_path, i->first)  
      << "\n<table border="1"\n<tr><td><pre>"  
      << i->second.first << "</pre></td>\n<td><pre>"  
      << i->second.second << "</pre></td>\n</tr></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:\n"  
  << BLOCKQUOTE<<P";  
  i2 = m_can_migrate_to_bsl.begin();  
  j2 = m_can_migrate_to_bsl.end();  
  while(i2 != j2)
  {
    os << split_path(m_boost_path, *i2) << "\n";  
    ++i2;  
  }
  os << "</p></BLOCKQUOTE>";  
//

---

Open Source Used In Branch Migration Tool 1.9  3396
// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name="not-to-bsl">Files that can NOT be converted to the Boost Software License</a></h2>
";<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:</P>

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
";
    ++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">Authors we need for the BSL</a></h2>
";<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>.</P>

std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>
"));

os << "</p></BLOCKQUOTE>";
//
// Output a table of copyright information:
//
os << "<H2><a name="copyright">Copyright Holder Information</a></H2><table border="1">&lt;tr border="1"&gt;
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ed = 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>
";
    ++ad;
}

os << "</table>
";
// 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);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
            {
                os << " <I>(Circular dependency!)</I>";
            }
            seen_deps.insert(dep->second);
        }
    fi = ++fi;
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>\n";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ".\n";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

1.368 apt 2.0.6

1.368.1 Available under license :
Apt is currently developed by APT Development Team <deity@lists.debian.org>.

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1.370 jbossws-cxf-client 5.4.3.Final

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1.371 glibc 2.19-18+deb8u6

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1.377 jackson-mapper-asl 1.9.13.redhat-00007

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1.382 connexion 1.0.129

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1.383 netty-buffer 4.1.62.Final

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Manifest-Version: 1.0
Implementation-Title: Netty/Buffer
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.buffer
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.buffer
Implementation-Version: 4.1.62.Final
Built-By: norman
Bnd-LastModified: 1617128225125
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.util;version="[4.1.5),io.netty.util.concurrent;version="[4.1.5),io.netty.util.internal;version="[4.1.5),io.netty.util.internal.logging;version="[4.1.5),sun.nio.ch;resolution=optional,org.eclipse.jetty.npn;version="[1,2);resolution=optional,org.eclipse.jetty.alpn;version="[1,2);resolution=optional
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.buffer;uses="io.netty.util;version="4.1.62",io.netty.buffer.search;uses="io.netty.util;version="4.1.62"
Bundle-Name: Netty/Buffer
Bundle-Version: 4.1.62.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://netty.io/netty-buffer/

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buffer/pom.xml

1.384 lz4 1.9.2-2ubuntu0.20.04.1

1.384.1 Available under license:
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Upstream-Name: lz4
Source: https://github.com/Cyan4973/lz4

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* /opt/ws_local/PERMITS_SQL/1021462020_1591378229.44/0/opensaml-saml-impl-3-3-1-sources-jar/org/opensaml/saml/saml2/metadata/impl/ManageNameIDServiceUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462020_1591378229.44/0/opensaml-saml-impl-3-3-1-sources-jar/org/opensaml/saml/saml2core/impl/package-info.java
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1.390 libwayland-cursor0 1.16.0-1

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  jar/org/dom4j/tree/ElementQNameIterator.java
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  jar/org/dom4j/tree/ElementIterator.java
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/opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources.jar/org/dom4j/io/SAXValidator.java
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/opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources.jar/org/dom4j/dom/DOMText.java
/opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources.jar/org/dom4j/xpath/DefaultXPath.java
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* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/SAXReader.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/SAXHelper.java

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Client application for querying drivers' configuration information
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 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="product"/>
    <xsl:param name="version"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />
    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
                <!-- Read matching templates -->
                <table>
                    <tr>
                        <th>Package</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)"/>
                        <tr>
                            <td><xsl:value-of select="concat(groupId, packageName)"/></td>
                            <td><xsl:value-of select="artifactId"/></td>
                            <td><xsl:value-of select="version"/></td>
                            <td>
                                <xsl:for-each select="licenses/license">
                                    <a href="{./url}"><xsl:value-of select="name"/></a><br/>
                                </xsl:for-each>
                            </td>
                            <td>
                                <xsl:for-each select="licenses/license">
                                    <xsl:variable name="name" select="translate(name,$uppercase,$lowercase)"/>
                                    <xsl:variable name="last-index">
                                        <xsl:call-template name="last-index-of">
                                            <xsl:with-param name="txt" select="url"/>
                                        </xsl:call-template>
                                    </xsl:variable>
                                </xsl:for-each>
                            </td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
<table>
<thead>
<tr>
<th>Open Source Used In Branch Migration Tool 1.9</th>
<th>3689</th>
</tr>
</thead>
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<tr>
<td>&lt;xsl:with-param name=&quot;delimiter&quot; select=&quot;/&quot;/&gt;</td>
<td>&lt;/xsl:with-param&gt;</td>
</tr>
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<td>&lt;/xsl:call-template&gt;</td>
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</tr>
<tr>
<td>&lt;/xsl:variable&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;xsl:variable name=&quot;prefix&quot; select=&quot;concat($name,' - ')&quot;&gt;</td>
<td>&lt;/xsl:variable&gt;</td>
</tr>
<tr>
<td>&lt;xsl:variable name=&quot;postfix&quot; select=&quot;substring(url,$last-index+1)&quot;/&gt;</td>
<td>&lt;/xsl:variable&gt;</td>
</tr>
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</tr>
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<td>&lt;/xsl:call-template&gt;</td>
</tr>
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<td>&lt;/xsl:with-param&gt;</td>
</tr>
<tr>
<td>&lt;/xsl:call-template&gt;</td>
<td></td>
</tr>
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<td>&lt;/xsl:variable&gt;</td>
<td></td>
</tr>
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<td>&lt;/xsl:template&gt;</td>
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</tr>
<tr>
<td>&lt;xsl:param name=&quot;remainder&quot; select=&quot;$txt&quot;/&gt;</td>
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<tr>
<td>&lt;xsl:param name=&quot;delimiter&quot; select=&quot;&quot;/&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:choose&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:when&gt;</td>
<td></td>
</tr>
<tr>
<td><a href="">xsl:otherwise</a></td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:variable name=&quot;lastIndex&quot; select=&quot;string-length(substring($txt, 1, string-length($txt)-string-length($remainder))+1)&quot;/&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:choose&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:when&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;xsl:when test=&quot;string-length($remainder)=0&quot;&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;xsl:value-of select=&quot;string-length($txt)&quot;/&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:when&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;xsl:when test=&quot;$lastIndex&gt;0&quot;&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;xsl:value-of select=&quot;($lastIndex - string-length($delimiter))&quot;/&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:when&gt;</td>
<td></td>
</tr>
<tr>
<td><a href="">xsl:otherwise</a></td>
<td></td>
</tr>
<tr>
<td>&lt;xsl:value-of select=&quot;0&quot;/&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:otherwise&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;/xsl:choose&gt;</td>
<td></td>
</tr>
</tbody>
</table>
<xsl:when test="contains($filename, 'common development') and contains($filename, '1.1')">
  <xsl:text>common development and distribution license 1.1.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'lgpl-2.1')">
  <xsl:text>gnu lesser general public license v2.1 only.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'gnu general public license') and contains($filename, '2.0') and 
not(contains($filename, 'exception'))">
  <xsl:text>gnu general public license, version 2.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'gnu general public license') and contains($filename, '2.0') and 
contains($filename, 'exception')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'gpl-2.0-ce')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
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<xsl:when test="contains($filename, 'gplv2+w+')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'gplv2+ce')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
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<xsl:when test="contains($filename, 'epl-v1.0')">
  <xsl:text>eclipse public license 1.0.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'eclipse public license 1.0')">
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<xsl:when test="contains($filename, 'epl-2.0')">
  <xsl:text>eclipse public license 2.0.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'edl-1.0.txt')">
  <xsl:text>eclipse distribution license, version 1.0.txt</xsl:text>
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<xsl:when test="contains($filename, 'mit license')">
  <xsl:text>mit license.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'mpl 1.1')">
  <xsl:text>mozilla public license 1.1.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'mozilla public license 2.0')">
  <xsl:text>mozilla public license 2.0.html</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'new bsd license')">
  <xsl:text>bsd-license.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'bsd style - license')">
  <xsl:text>bsd-license.txt</xsl:text>
</xsl:when>
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<?xml version="1.0" encoding="utf-8" standalone="no" media-type="text/html" />
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:param name="version" />
    <xsl:param name="product.release.name" />
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '" />
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'" />

    <xsl:template match="/"
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css" />
            </head>
            <body>
                <h2><xsl:value-of select="$product.release.name"/> - Servlet Feature Pack</h2>
                <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
                <!-- Read matching templates -->
            </table>
            <tr>
                <th>Package Group</th>
                <th>Package Artifact</th>
                <th>Package Version</th>
                <th>Remote Licenses</th>
                <th>Local Licenses</th>
            </tr>
            <xsl:for-each select="licenseSummary/dependencies/dependency"/>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an
html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- the server, modify `distribution/feature-packs/server-feature-pack/src/main/resources/licenses/rh-sso/license.xml`
- an adapter, modify `distribution/{saml-adapters,adapters}/{adapter-name}/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```

and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
</other>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-) 

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
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    <xsl:param name="version" />
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            </head>
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                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
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                                    </xsl:for-each>
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                            </td>
                            <td>
                                <ul>
                                    <xsl:for-each select="licenseSummary/licenses/license">
                                        
                                    </xsl:for-each>
                                </td>
                            </td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
"files": [  
  "CHANGELOG.md",
  "lib/*",
  "README.md",
  "src/*"
]

"scripts": {  
  "clean": "rimraf lib",
  "fix": "eslint . --fix",
  "lib": "rollup -c",
  "lint": "eslint .",
  "precommit": "lint-staged && npm-run-all types test",
  "prepare": "npm-run-all clean -p lib types",
  "test": "nyc mocha 'test/**/*.ts'",
  "types": "tsc",
  "verify": "npm-run-all lint types test"
}

"lint-staged": {  
  "*.{js,ts}": "eslint"
}

"devDependencies": {  
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^5.13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1",
  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-prettier": "^3.1.4",
  "eslint-plugin-promise": "^4.2.1",
  "eslint-plugin-simple-import-sort": "^6.0.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0",
  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin-filesize": "^9.1.1",
  "rollup-plugin-node-resolve": "^13.0.0"
}
"rollup-plugin-flow-entry": "^0.3.5",
"rollup-plugin-mjs-entry": "^0.1.1",
"sucrase": "^3.18.1",
"typescript": "^4.1.2"
}
}

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

Stay up to date with the latest release and announcements on Twitter:
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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/FontAwesome/issues?q=milestone%3A4.3.0%is%3Aclosed)

## Contributing
Please read through our [contributing guidelines](https://github.com/FortAwesome/FontAwesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning
Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author
- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component
To include as a [component](http://github.com/component/component), just run

    $ component install FontAwesome/Font-Awesome

Or add

    "FontAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

    $ bundle install
    $ npm install

Build the project and documentation:

    $ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

    $ bundle exec jekyll -w serve

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- `cmd/krb5/kadmin/server/ipropd_svc.c`
- `cmd/krb5/kproplog/kproplog.c`
- `cmd/krb5/slave/kpropd_rpc.c`
- `lib/gss_mechs/mech_krb5/et/kdb5_err.c`
- `lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h`
- `lib/gss_mechs/mech_spnego/mech/spnego_mech.c`
- `lib/krb5/kadm5/kadm_host_srv_names.c`
- `lib/krb5/kdb/kdb_convert.c`
- `lib/krb5/kdb/kdb_hdr.h`
- `lib/krb5/kdb/kdb_log.c`
- `lib/krb5/kdb/kdb_log.h`
- `lib/libgss/g_accept_sec_context.c`
- `lib/libgss/g_acquire_cred.c`
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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
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/krb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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<table>
<thead>
<tr>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
</table>

```xml
<xsl:template name="remap-local-filename">
  <xsl:param name="name"/>
  <xsl:choose>
    <xsl:when test="$name = 'GNU General Public License v2.0 only'">gnu general public license v2.0 only.html</xsl:when>
    <xsl:when test="$name = "">.html</xsl:when>
    <xsl:otherwise>
      <xsl:value-of select="concat(translate($name, $uppercase, $lowercase), '.txt')"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:template>
```
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious...
what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
  <dependency>
    <groupId>org.sonatype.plexus</groupId>
    <artifactId>plexus-sec-dispatcher</artifactId>
    <version>1.3</version>
    <licenses>
      <license>
        <name>Apache Software License 2.0</name>
        <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
      </license>
    </licenses>
  </dependency>

  <dependency>
    <groupId>org.antlr</groupId>
    <artifactId>antlr-runtime</artifactId>
    <version>3.5</version>
    <licenses>
      <license>
        <name>BSD 3-clause New or Revised License</name>
      </license>
    </licenses>
  </dependency>
```

and non-maven dependencies:

```xml
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need
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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.
New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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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
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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

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<table>
<thead>
<tr>
<th>Description</th>
<th>Locations</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
</table>

- Description:

  - Locations:
    - File or directory:
      - Name:

  - Archive:
    - File:
      - Innerpath:
Open Source Used In Branch Migration Tool 1.9

---

```json
{
  "name": "rfc4648",
  "version": "1.5.0",
  "description": "Encoding and decoding for base64, base32, base16, and friends",
  "keywords": [
    "Uint8Array",
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    "base32",
    "base32hex",
    "base64",
    "base64url",
    "hex"
  ],
  "repository": {
    "type": "git",
    "url": "git@github.com:swansontec/rfc4648.js.git"
  },
  "license": "MIT",
  "author": "William Swanson",
  "exports": {
    ".": {
      "import": "./lib/index.mjs",
      "require": "./lib/index.js"
    }
  }
}
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"/package.json": "/package.json",
"main": "/lib/index.js",
"module": "/lib/rfc4648.js",
"types": "/lib/src/index.d.ts",
"files": [
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  "lib/*",
  "README.md",
  "src/*"
],
"scripts": {
  "clean": "rimraf lib",
  "fix": "eslint . --fix",
  "lib": "rollup -c",
  "lint": "eslint .",
  "precommit": "lint-staged && npm-run-all types test",
  "prepare": "npm-run-all clean -p lib types",
  "test": "nyc mocha 'test/**/*.ts'",
  "types": "tsc",
  "verify": "npm-run-all lint-staged"
},
"lint-staged": {
  "*.js,ts": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
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  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-prettier": "^3.1.4",
  "eslint-plugin-promise": "^4.2.1",
  "eslint-plugin-simple-import-sort": "^6.0.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0"}
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"prettier": "^2.2.0",
"rimraf": "^3.0.2",
"rollup": "^2.47.0",
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"rollup-plugin-flow-entry": "^0.3.5",
"rollup-plugin-mjs-entry": "^0.1.1",
"sucrase": "^3.18.1",
"typescript": "^4.1.2"
}
}

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# [Font Awesome v4.3.0](http://fortawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy). Stay up to date with the latest release and announcements on Twitter: [@fortawesome](http://twitter.com/fontawesome).

Get started at http://fontawesome.io!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md). Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

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- Twitter: [http://twitter.com/davegandy](http://twitter.com/davegandy)
- GitHub: [https://github.com/davegandy](https://github.com/davegandy)

## Component
To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```
$ bundle exec jekyll -w serve
```

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1.416 pyparsing 2.4.7

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dispatch
package main

import (  
  "bufio"  
  "bytes"
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.Fprint(w, crUsageString)
}

const copyrightText = `Copyright 2014-2021 Ulrich Kunitz. All rights reserved.
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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 = scanner.Err(); 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
    }
  }()
  out := bufio.NewWriter(dst)
  fmt.Fprint(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.Fprintln(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
        }
    }
}

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if err = filepath.Walk(path, walkCopyrights); err != nil {
    log.Fatalf("%s error %s", path, err)
}
This is indeed a need for the developer community to experience such simple, easy-to-use and extremely user friendly Python package which does your usual job of cutting out a piece of substring from the parent string without writing certain lines of code. Nobody wants to spend their valuable time in writing such simple code when they can work on the bigger and other important contributions to the developers' community. This package has the following two methods associated with it:

```python
###1) substringByChar()
It has four parameters namely, initialString, startChar, endChar, and stepSize(default=1). It would spit out the substring on the basis of the characters entered. For example, consider a string "abcdefghijklmnopqrstuvwxyz" and I can pull out the substring "defghijkl" by just specifying the start and end characters as "d" and "l" respectively. It has also the feature of step size where you can change and get your substrings accordingly.

###2) substringByInd()
It has four parameters namely, initialString, startInd, endInd, and stepSize(default=1). It would spit out the substring on the basis of the indices entered. For example, consider a string "abcdefghijklmnopqrstuvwxyz" and I can pull out the substring "defghijkl" by just specifying the start and end indices as 3 and 11 respectively because "d" and "l" represent the indices 3 and 11 respectively. It has also the feature of step size where you can change and get your substrings accordingly.

This package is "Multi-Operational" because it not only gets you the substring of your choice with such ease but also allows you to play around with the step sizes that you want. For example, consider the same string "abcdefghijklmnopqrstuvwxyz", and you can pull out "aceg" by entering the startChar, endChar, stepSize as "a", "g" and 2 respectively.

With such ease of use, this package efficiently handles all the exceptions caused and lets the user know about them which makes the user experience very rich.

Platform: UNKNOWN
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):
* /opt/cola/permits/1156780085_1619425134.69/0/substring-0.2-1-tar.gz/substring-0.2/substring.egg-info/PKG-INFO
* /opt/cola/permits/1156780085_1619425134.69/0/substring-0.2-1-tar.gz/substring-0.2/substring.egg-info/PKG-INFO
No license file was found, but licenses were detected in source scan.

from setuptools import setup
with open("README.rst", 'r') as f:
    longDescription = f.read()

setup(name='substring',
      version='0.2',
      description='Multi-Operational and Flexible Substring Package',
      long_description=longDescription,
      url='https://github.com/VETURISRIRAM/SUBSTRING',
      author='Sriram Veturi',
      author_email='sriram.tutu@gmail.com',
      license='MIT',
      packages=['substring'],
      classifiers=(
          "License :: OSI Approved :: MIT License",
          "Operating System :: OS Independent",
          "Programming Language :: Python",
          "Programming Language :: Python :: 3",
          "Programming Language :: Python :: 3.3",
          "Programming Language :: Python :: 3.4",
          "Programming Language :: Python :: 3.5",
          "Programming Language :: Python :: 3.6",
          "Programming Language :: Python :: Implementation :: CPython",
          "Programming Language :: Python :: Implementation :: PyPy",
          "Topic :: Software Development :: Libraries :: Python Modules"
      ),
)

Found in path(s):
* /opt/cola/permits/1156780085_1619425134.69/0/substring-0-2-1-tar-gz/substring-0.2/setup.py

1.420 smallrye-jwt-cdi-extension 3.0.0

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Found in path(s):
* /opt/cola/permits/1174809634_1624022455.28/0/smallrye-jwt-cdi-extension-3-0-0-sources-jar/META-INF/maven/io.smallrye/smallrye-jwt-cdi-extension/pom.xml
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*/

Found in path(s):
* /opt/cola/permits/1174809634_1624022455.28/0/smallrye-jwt-cdi-extension-3-0-0-sources-jar/io/smallrye/jwt/auth/cdi/SmallRyeJWTAuthCDIExtension.java

1.421 yasson 1.0.5
1.421.1 Available under license :
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* https://github.com/eclipse/yasson
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cdi-api 2.0 (JSR 365: Contexts and Dependency Injection for Java (2.0))

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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.

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1.428 beevik-ntp 0.2.0

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
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 * Any exception thrown by a MessageBodyReader chain that is not an instance of a ReaderException is caught internally
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 *
 * If you want to have special exception handling for exceptions thrown by MessageBodyReaders, then write an exception
 * mapper for ReaderException.
 *
 * Also, you may extend this class and throw instances of it from your MessageBodyReaders (and interceptors)
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/**
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * <p>Example:</p>
 * <p>
 * <code>String encoded = Base64.encode( myByteArray );</code>
 * </p>
 * <p></p>
 * <p>The <code>options</code> 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.
 * </p>
 * <p>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.
 * </p>
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 * <p></p>
 * <p></p>
 * <p>The <code>options</code> 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.
 * </p>
 * <p>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
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 * </p>
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 * <p></p>
 * <p></p>
 * <p>The <code>options</code> 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
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 * broke lines by default.
 * </p>
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:
 * <ul>
 * <li>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.</li>
 * <li>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.</li>
 * <li>v2.3.5 - Fixed bug in {@link encodeFromFile} where estimated buffer size
 * was wrong for files of size 31, 34, and 37 bytes.</li>
 * <li>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
Change Log:
* class loader when using the
* [decodeToObject(java.lang.String, int, java.lang.ClassLoader)]
* explicitly inline.</li>
* 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
* 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:
* Does not break lines, by default. This is to keep in compliance with
* RFC3548</a>.</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 [encodeBytesToBytes(byte[])] family of methods (and not
* using the gzip options which uses a different mechanism with streams and stuff).</li>
* v2.3.1 - Added [encodeBytesToBytes(byte[], int, int, int)] and some
* similar helper methods to be more efficient with memory by not returning a
* String but just a byte array.</li>
* v2.3 - This is not a drop-in replacement!</strong> 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:
* Does not break lines, by default. This is to keep in compliance with
* RFC3548</a>.</li>
* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
* when using very small files (~40 bytes).</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:
* The default is RFC3548 format.</li>
* Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.
* http://www.faqs.org/rfcs/rfc3548.html
* 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/rfc-1940.html
* Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new Base64 dialects.
* 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 (\texttt{int} that you "OR" together).
* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using \texttt{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.
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* @author rob@iharder.net
* @version 2.3.7
1.440 audience-annotations 0.12.0

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1.441 go-runtime 1.13.1

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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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### 1.451 infinispan-component-annotations

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="product" />
    <xsl:param name="version" />
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />

    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css" />
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
                <!-- Read matching templates -->
                <table>
                    <tr>
                        <th>Package</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)" />
                        <tr>
                            <td><xsl:value-of select="concat(groupId, packageName)" /></td>
                            <td><xsl:value-of select="artifactId" /></td>
                            <td><xsl:value-of select="version" /></td>
                            <td>
                                <xsl:for-each select="licenses/license">
                                    <a href="{./url}">
                                        <xsl:value-of select="name"/>
                                    </a>
                                </xsl:for-each>
                            </td>
                            <td>
                                <xsl:for-each select="licenses/license">
                                    <a href="/ndl">
                                        <xsl:value-of select="name"/>
                                    </a>
                                </xsl:for-each>
                            </td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
<xsl:template name="remap-local-filename">
  <xsl:param name="filename"/>
  <xsl:choose>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '2-clause')">
      <xsl:text>bsd-2-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '3-clause')">
      <xsl:text>bsd-3-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '1.1')">
      <xsl:text>apache-1.1.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '2.0')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'jsr-000107')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'cddl') and contains($filename, 'gplv2')">
      <xsl:text>cddl-gplv2-classpath.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'common public license')">
      <xsl:text>common public license 1.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'gnu library general public license, version 2 - lgpl-2.0.txt'">
      <xsl:text>gnu library general public license, version 2.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'lgpl.txt'">
      <xsl:text>gnu library general public license, version 2.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'the dom4j license - license'">
      <xsl:text>the dom4j license.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'creative commons attribution 2.5 - legalcode'">
      <xsl:text>creative commons attribution 2.5.html</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'cddl+gpl_1_1')">
      <xsl:text>cddl-1.1-gpl-1-1.txt</xsl:text>
    </xsl:when>
    <xsl:otherwise>
      <xsl:value-of select="0"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:template>
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Version 1.1 - 26 February 2007

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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

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.eclipse.jetty.toolchain:jetty-schemas
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.461 zookeeper-jute 3.7.0

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* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/ParseException.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/TokenMgrError.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/RccTokenManager.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/Token.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/SimpleCharStream.java
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* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JByteBuffer.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JInt.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JByte.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JCompType.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JBuffer.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JByte.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JInt.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JByte.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JInt.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JByte.java
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* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JByte.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JInt.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
jar/org/apache/jute/BinaryInputArchive.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/Index.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/CGenerator.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/InputArchive.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/JBoolean.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/OutputArchive.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/ToStringOutputArchive.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/to_string/OutputArchive.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/RecordReader.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/ToStringOutputArchive.java
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* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/txn/SetACLTxn.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/server/persistence/FileHeader.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/GetACLResponse.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/ConnectResponse.java
jar/org/apache/zookeeper/proto/SetSASLRequest.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/SetSASLResponse.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/txn/CreateSessionTxn.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/txn/MultiTxn.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/SetDataResponse.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/GetAllChildrenNumberRequest.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/GetMaxChildrenResponse.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/GetChildren2Request.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/ReplyHeader.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/data/Id.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/server/quorum/LearnerInfo.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/AuthPacket.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/txn/CreateTxn.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/CreateTTLRequest.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/WatcherEvent.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/GetEphemeralsRequest.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/GetSASLRequest.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/proto/ExistsResponse.java
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/zookeeper/server/quorum/QuorumPacket.java

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* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/package.html
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options {
    STATIC=false;
}

PARSER_BEGIN(Rcc)
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 */

package org.apache.jute.compiler.generated;

import org.apache.jute.compiler.**;
import java.util.ArrayList;
import java.util.Hashtable;
import java.io.File;
import java.io.FileReader;
import java.io.FileNotFoundException;
import java.io.IOException;
@SuppressWarnings("unused")
public class Rcc {
    private static Hashtable<String, JRecord> recTab = new Hashtable<String, JRecord>();
    private static String curDir = System.getProperty("user.dir");
    private static String curFileName;
    private static String curModuleName;

    public static void main(String args[]) {
        String language = "java";
        ArrayList<String> recFiles = new ArrayList<String>();
        JFile curFile=null;

        for (int i=0; i<args.length; i++) {
            if ("-l".equalsIgnoreCase(args[i]) ||
                "--language".equalsIgnoreCase(args[i])) {
                language = args[i+1].toLowerCase();
                i++;
            } else {
                recFiles.add(args[i]);
            }
        }

        if (!"c++".equals(language) && !"java".equals(language) && !"c".equals(language)) {
            System.out.println("Cannot recognize language:" + language);
            System.exit(1);
        }

        if (recFiles.size() == 0) {
            System.out.println("No record files specified. Exiting.");
            System.exit(1);
        }

        for (int i=0; i<recFiles.size(); i++) {
            curFileName = recFiles.get(i);
            File file = new File(curFileName);
            try {
                curFile = parseFile(file);
            } catch (FileNotFoundException e) {
                System.out.println("File " + recFiles.get(i) + " Not found.");
                System.exit(1);
            } catch (ParseException e) {
                System.out.println(e.toString());
                System.exit(1);
            }
            System.out.println(recFiles.get(i) + " Parsed Successfully");
            try {
                curFile.genCode(language, new File("."));
            } catch (IOException e) {
                System.out.println(e.toString());
                System.exit(1);
            }
        }
    }
}
public static JFile parseFile(File file) throws FileNotFoundException, ParseException {
    curDir = file.getParent();
    curFileName = file.getName();
    FileReader reader = new FileReader(file);
    try {
        Rcc parser = new Rcc(reader);
        recTab = new Hashtable<String, JRecord>();
        return parser.Input();
    } finally {
        try {
            reader.close();
        } catch (IOException e) {
        }
    }
}

PARSER_END(Rcc)

SKIP :
{
    " "
    | "\t"
    | "\n"
    | "\r"
}

SPECIAL_TOKEN :
{
    "/\" : WithinOneLineComment
}

<WithinOneLineComment> SPECIAL_TOKEN :
{
    <("\n" | "\r" | "\r\n")> : DEFAULT
}

<WithinOneLineComment> MORE :
{
    ~\/{}
}

SPECIAL_TOKEN :
{
    "/\*" : WithinMultiLineComment
}
JFile Input() :
{
    ArrayList<JFile> ilist = new ArrayList<JFile>();
    ArrayList<JRecord> rlist = new ArrayList<JRecord>();
    JFile i;
    ArrayList <JRecord>l;
}
{
    (i = Include())
}
{ ilist.add(i); }

| l = Module()
| { rlist.addAll(l); }

)+

<EOF>

{ return new JFile(curFileName, ilist, rlist); }
}

JFile Include()
{
    String fname;
    Token t;
}

{<INCLUDE_TKN>
    t = <CSTRING_TKN>
    {
        JFile ret = null;
        fname = t.image.replaceAll("^\", "").replaceAll("\"$", "");
        File file = new File(curDir, fname);
        String tmpDir = curDir;
        String tmpFile = curFileName;
        curDir = file.getParent();
        curFileName = file.getName();
        try {
            FileReader reader = new FileReader(file);
            Rcc parser = new Rcc(reader);
            try {
                ret = parser.Input();
                System.out.println(fname + " Parsed Successfully");
            } catch (ParseException e) {
                System.out.println(e.toString());
                System.exit(1);
            }
            try {
                reader.close();
            } catch (IOException e) {
            }
        } catch (FileNotFoundException e) {
            System.out.println("File " + fname + " Not found.");
            System.exit(1);
        }
        curDir = tmpDir;
        curFileName = tmpFile;
        return ret;
    }
}
ArrayList<JRecord> Module() :
{
    String mName;
    ArrayList<JRecord> rlist;
}
{
    <MODULE_TKN>
    mName = ModuleName()
    { curModuleName = mName; }
    <LBRACE_TKN>
    rlist = RecordList()
    <RBRACE_TKN>
    { return rlist; }
}

String ModuleName() :
{
    String name = "";
    Token t;
}
{
    t = <IDENT_TKN>
    { name += t.image; }
    ( <DOT_TKN>
        t = <IDENT_TKN>
        { name += "." + t.image; }
    )* 
    { return name; }
}

ArrayList<JRecord> RecordList() :
{
    ArrayList<JRecord> rlist = new ArrayList<JRecord>();
    JRecord r;
}
{
    ( r = Record()
        { rlist.add(r); }
    )+
    { return rlist; }
}

JRecord Record() :
{
    String name:
ArrayList<JField> flist = new ArrayList<JField>();
    Token t;
    JField f;
}

<RECORD_TKN>
t = <IDENT_TKN>
{ rname = t.image; }
<LBRACE_TKN>
(
    f = Field()
    { flist.add(f); }
    <SEMICOLON_TKN>
)+
<RBRACE_TKN>
{
    String fqn = curModuleName + "." + rname;
    JRecord r = new JRecord(fqn, flist);
    recTab.put(fqn, r);
    return r;
}

JField Field() :
{
    JType jt;
    Token t;
}
{
    jt = Type()
    t = <IDENT_TKN>
    { return new JField(jt, t.image); }
}

JType Type() :
{
    JType jt;
    Token t;
    String rname;
}
{
    jt = Map()
    { return jt; }
    | jt = Vector()
    { return jt; }
    | <BYTE_TKN>
    { return new JByte(); }
    | <BOOLEAN_TKN>
{ return new JBoolean(); }
| <INT_TKN>
| { return new JInt(); }
| <LONG_TKN>
| { return new JLong(); }
| <FLOAT_TKN>
| { return new JFloat(); }
| <DOUBLE_TKN>
| { return new JDouble(); }
| <USTRING_TKN>
| { return new JString(); }
| <BUFFER_TKN>
| { return new JBuffer(); }
| rname = ModuleName()
|
| if (rname.indexOf('.', 0) < 0) {
|   rname = curModuleName + "." + rname;
| }
| JRecord r = recTab.get(rname);  
| if (r == null) {
|   System.out.println("Type " + rname + " not known. Exiting.");
|   System.exit(1);
| }
| return r;
|
|
JMap Map() :
| {
|   JType jt1;
|   JType jt2;
|   
|   <MAP_TKN>
|   <LT_TKN>
|   jt1 = Type()  
|   <COMMA_TKN>
|   jt2 = Type()  
|   <GT_TKN>
|   { return new JMap(jt1, jt2); }
| }

JVector Vector() :
| {
|   JType jt;
|   
|   <VECTOR_TKN>
jt = Type()
{
  return new JVector(jt);
}

Found in path(s):
* /opt/cola/permits/1162253075_1620805662.26/0/zookeeper-jute-3-7-0-sources-jar/org/apache/jute/compiler/generated/rcc.jj

1.462 keycloak-kerberos-federation 14.0.0

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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven
dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you’re adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It’s usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>

<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```
```
</license>
</licenses>
</dependency>
```

and non-maven dependencies:

```
```xml
<other>
<description>jQuery</description>
<locations>
<file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
</locations>
<licenses>
<license>
<name>MIT License</name>
<url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
</license>
</licenses>
</other>
<other>
<description>AngularJS</description>
<locations>
<directory>themes/keycloak/common/resources/lib/angular</directory>
</locations>
<licenses>
<license>
<name>MIT License</name>
<url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
</license>
</licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:
- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or

```html
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :)

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)
Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/social.css` file.

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<table>
<thead>
<tr>
<th>Package Group</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

```
<xsl:for-each select="licenseSummary/dependencies/dependency">
  <xsl:sort select="concat(groupId, '.', artifactId)"/>
  <tr>
    <td><xsl:value-of select="groupId" /></td>
    <td><xsl:value-of select="artifactId" /></td>
    <td><xsl:value-of select="version" /></td>
    <td>
      <ul>
        <xsl:for-each select="licenses/license">
          <li><a href="./url"><xsl:value-of select="name" /></a></li>
        </xsl:for-each>
      </ul>
    </td>
    <td>
      <ul>
        <xsl:for-each select="licenses/license">
          <xsl:variable name="filename" select="concat(../../groupId, ',', ../../artifactId, ',',../../version, '.', name, '.txt')" />
          <li><a href="{$filename}"><xsl:value-of select="name" /></a></li>
        </xsl:for-each>
      </ul>
    </td>
  </tr>
</xsl:for-each>
```

```
<table>
<tr>
  <th>Description</th>
  <th>Locations</th>
  <th>Remote Licenses</th>
  <th>Local Licenses</th>
</tr>
<xsl:for-each select="licenseSummary/others/other">
  <xsl:sort select="description"/>
  <tr>
    <td><xsl:value-of select="description" /></td>
    <td>
      <ul>
        <xsl:for-each select="locations/*[self::file or self::directory]">
          <li class="{local-name()}"><xsl:value-of select="." /></li>
        </xsl:for-each>
        <xsl:for-each select="locations/archive">
          <li><a href="{$filename}"><xsl:value-of select="name" /></a></li>
        </xsl:for-each>
      </ul>
    </td>
  </tr>
</xsl:for-each>
</table>
```
"url": "git@github.com:swansontec/rfc4648.js.git",
"license": "MIT",
"author": "William Swanson",
"exports": {
  ".": {
    "import": "./lib/index.mjs",
    "require": "/lib/index.js"
  },
  "/package.json": "/package.json"
},
"main": "/lib/index.js",
"module": "/lib/rfc4648.js",
"types": "/lib/src/index.d.ts",
"files": ["CHANGELOG.md",
  "lib/**",
  "README.md",
  "src/**"
],
"scripts": {
  "clean": "rimraf lib",
  "fix": "eslint . --fix",
  "lib": "rollup -c",
  "lint": "eslint .",
  "precommit": "lint-staged && npm-run-all types test",
  "prepare": "npm-run-all clean -p lib types",
  "test": "nyc mocha 'test/**/*.ts'",
  "types": "tsc",
  "verify": "npm-run-all lint types test"
},
"lint-staged": {
  "*.{js,ts}": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1"
"eslint-plugin-flowtype": "^5.2.0",
"eslint-plugin-import": "^2.22.1",
"eslint-plugin-prettier": "^3.1.4",
"eslint-plugin-promise": "^4.2.1",
"eslint-plugin-simple-import-sort": "^6.0.1",
"husky": "^6.0.0",
"lint-staged": "^10.5.3",
"mocha": "^8.4.0",
"npm-run-all": "^4.1.5",
"nyc": "^15.1.0",
"prettier": "^2.2.0",
"rimraf": "^3.0.2",
"rollup": "^2.47.0",
"rollup-plugin-filesize": "^9.1.1",
"rollup-plugin-flow-entry": "^0.3.5",
"rollup-plugin-mjs-entry": "^0.1.1",
"sucrase": "^3.18.1",
"typescript": "^4.1.2"
}
}

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

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## Changelog

- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- v3.4.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0%26is%3A%3Aclosed)

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md). Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch
For more information on SemVer, please visit http://semver.org.

## Author
- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component
To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```
$ bundle exec jekyll -w serve
```

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AES in libcrypt

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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D3DES (V5.09) -

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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1.467 click 7.1.2
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# binary only, patch it back to the system, and then use a wrapper

Found in path(s):
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/src/click/_compat.py

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import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/click/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"version = (\d+).\d+", f.read()).group(1)

setup(
    name="click",
    version=version,
    url="https://palletsprojects.com/p/click/",
    project_urls={
        "Documentation": "https://click.palletsprojects.com/"},
As the userbase of Click grows, more and more major feature requests pop up in Click's bug tracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why click-contrib exists. The GitHub organization is a collection of possibly experimental third-party packages whose feature set does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.
Please note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

.. _click-contrib: https://github.com/click-contrib/

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### 1.468 lsb 10.2019051400

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Upstream-Name: LSB implementation package

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* /opt/cola/permits/1174807314_1624022284.61/0/wildfly-elytron-http-basic-1-15-3-final-sources-jar/org/wildfly/security/http/basic/BasicAuthenticationMechanism.java

1.501 lib-pq 1.7.0
1.501.1 Available under license :

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1.502 microprofile-jwt-auth-api 1.2

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Manifest-Version: 1.0
Bundle-Description: Eclipse MicroProfile JWT Feature - API
Bundle-License: Apache License, Version 2.0
Bundle-SymbolicName: org.eclipse.microprofile.jwt
Built-By: jenkins
Bnd-LastModified: 1607100009926
Bundle-ManifestVersion: 2
Bundle-DocURL: http://microprofile.io/microprofile-jwt-auth-api
Bundle-Vendor: Eclipse Foundation
Import-Package: javax.enterprise.util;version="[2.0,3)",javax.inject,javax.json;version="[1.1,2)
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-5.0.0.202001221519
Export-Package: org.eclipse.microprofile.auth;version="1.0",org.eclipse.microprofile.jjwt;version="1.1",javax.inject",org.eclipse.microprofile.jwt.config;version="1.2.0"
Bundle-Name: MicroProfile JWT Auth Bundle
Bundle-Version: 1.2.0
Created-By: 1.8.0_252 (AdoptOpenJDK)
Build-Jdk: 1.8.0_252

Found in path(s):
* /opt/cola/permits/1174807762_1624022315.8/0/microprofile-jwt-auth-api-1-2-jar/META-INF/MANIFEST.MF

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1.503 jsr181-api 1.0-MR1

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**1.515 pcre 8.42**

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

Written by: Philip Hazel
PCRE JUST-IN-TIME COMPILATION SUPPORT
-------------------------------------

Written by: Zoltan Herczeg
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1.516 pretty 1.0.0

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1.517 libxxf86vm 1.1.4-1+b2

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1.518 pyjwt 1.7.1

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1.519 ncurses 6.1-1ubuntu1.18.04

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1.520 ironjacamar-common-impl 1.4.27.Final

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3.0.0

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* https://github.com/eclipse-ee4j/jsonp

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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

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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
org.apache.tomcat:tomcat-juli
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org.eclipse.jetty.toolchain:jetty-schemas

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

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

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org.apache.tomcat:tomcat-el-api

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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.

1.531 go-homedir 1.1.0
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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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1.539 openssl-dev 1.1.1l-r0

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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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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!

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Preamble

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      modifications in the Standard Version of the Package.

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   c) rename any non-standard executables so the names do not conflict with
      standard executables, which must also be provided, and provide a separate
      manual page for each non-standard executable that clearly documents how it
      differs from the Standard Version.

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   form, provided that you do at least ONE of the following:

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      together with instructions (in the manual page or equivalent) on where to
      get the Standard Version.

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      with your modifications.

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The End

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1.542 picketlink-idm-api 2.5.5.SP12-redhat-00009

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1.543 wildfly-clustering-marshalling-protostream 23.0.2.Final

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1.544 npth 1.6 1

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

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

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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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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.

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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Bundle-Name: Jakarta CDI
Bundle-Version: 2.0.2
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_202

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1.557 jackson-datatype-jsr310 2.12.1

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* /opt/cola/permits/1174808295_1624022534.91/0/wildfly-elytron-sasl-gssapi-1-15-3-final-sources-jar/org/wildfly/security/sasl/gssapi/GssapiServer.java
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// Need to set this is we may want confidentiality, integrity is always requested.

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jar/org/wildfly/security/sasl/gssapi/AbstractGssapiFactory.java
* /opt/cola/permits/1174808295_1624022534.91/0/wildfly-elytron-sasl-gssapi-1-15-3-final-sources-
jar/org/wildfly/security/sasl/gssapi/AbstractGssapiMechanism.java
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jar/org/wildfly/security/sasl/gssapi/GssapiClientFactory.java
* /opt/cola/permits/1174808295_1624022534.91/0/wildfly-elytron-sasl-gssapi-1-15-3-final-sources-
jar/org/wildfly/security/sasl/gssapi/GssapiServerFactory.java

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1.562 go-runtime 1.14.7

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

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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
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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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b) Use a suitable shared library mechanism for linking with the
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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
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c) Accompany the work with a written offer, valid for at
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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.

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

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

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

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work) run the object code and to modify the work, including scripts to
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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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Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau,
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This is why click-contrib_ exists. The GitHub organization is a collection of possibly experimental third-party packages whose feature set does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:param name="version"/>
  <xsl:param name="product.release.name"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '" />
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'
" />
  <xsl:template match="/"
    <html>
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<table>
<thead>
<tr>
<th>Package Group</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>groupId</td>
<td>artifactId</td>
<td>version</td>
<td>licenses</td>
<td>remap-local-filename</td>
</tr>
</tbody>
</table>

<!-- Read matching templates -->

```xml
<xsl:template name="remap-local-filename">
  <xsl:param name="name"/>
  <xsl:variable name="filename">
    <xsl:call-template name="remap-local-filename">
      <xsl:with-param name="name" select="name"/>
    </xsl:call-template>
  </xsl:variable>
  <a href="{$filename}"><xsl:value-of select="$filename"/>
</xsl:template>
```
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To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```
<version>3.5</version>
<licenses>
    <license>
        <name>BSD 3-clause New or Revised License</name>
    </license>
</licenses>
</dependency>
```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>
<other>
    <description>AngularJS</description>
    <locations>
        <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
        </license>
    </licenses>
</other>
```

and non-maven dependencies:

```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>
<other>
    <description>AngularJS</description>
    <locations>
        <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
        </license>
    </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```bash
$ distribution/licenses-common/download-license-files.sh distribution/feature-packs/server-feature-
The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites,
created and maintained by [Dave Gandy](http://twitter.com/davegandy).
Stay up to date with the latest release and announcements on Twitter:
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Get started at [http://fontawesome.io](http://fontawesome.io)!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md). Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`
<major>.<minor>.<patch>
`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

- Email: dave@fontawesome.io
- Twitter: [http://twitter.com/davegandy](http://twitter.com/davegandy)
- GitHub: [https://github.com/davegandy](https://github.com/davegandy)

## Component

To include as a [component](http://github.com/component/component), just run

```bash
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```
to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```bash
$ bundle install
$ npm install
```

Build the project and documentation:

```bash
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```bash
$ bundle exec jekyll -w serve
```

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

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

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.
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1.597 sqlite 3.34.1-r0

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* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/ZooKeeperConnectionManager.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/cluster/ZooKeeperClusterView.java
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jar/org/apache/camel/component/zookeeper/operations/ExistenceChangedOperation.java
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jar/org/apache/camel/component/zookeeper/operations/SetDataOperation.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/operations/DataChangedOperation.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/cloud/ZooKeeperServiceRegistry.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-

jar/org/apache/camel/component/zookeeper/operations/WatchedEventProvider.java
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jar/org/apache/camel/component/zookeeper/operations/ZooKeeperOperation.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/ZooKeeperConfiguration.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/operations/DeleteOperation.java
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jar/org/apache/camel/component/zookeeper/SequenceComparator.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/operations/GetDataOperation.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/operations/OperationResult.java
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jar/org/apache/camel/component/zookeeper/cloud/ZooKeeperServiceDiscovery.java
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jar/org/apache/camel/component/zookeeper/ZooKeeperComponent.java
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jar/org/apache/camel/component/zookeeper/operations/ExistsOperation.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/operations/AnyOfOperations.java
* /opt/cola/permits/1162253052_1620806176.87/0/camel-zookeeper-3-7-0-sources-1-
jar/org/apache/camel/component/zookeeper/ZooKeeperMessage.java

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1.599 gnutls 3.3.8-6+deb8u3

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##
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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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1.602 undertow-websockets-jsr 2.2.5.Final

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Manifest-Version: 1.0
Bundle-License: http://repository.jboss.org/licenses/apache-2.0.txt
Bundle-SymbolicName: io.undertow.websockets-jsr
Built-By: fla
Bnd-LastModified: 1614904719031
Specification-Title: Undertow WebSockets JSR356 implementations
Implementation-Vendor-Id: io.undertow
Bundle-DocURL: http://www.jboss.org
Import-Package: io.undertow;version="[2.2,3)";io.undertow.connector;version="[2.2,3)";io.undertow.protocols.ssl;version="[2.2,3)";io.undertow.server;version="[2.2,3)";io.undertow.server.session;version="[2.2,3)";io.undertow.servlet;version="[2.2,3)";io.undertow.servlet.core;version="[2.2,3)";io.undertow.servlet.handlers;version="[2.2,3)";io.undertow.servlet.servlet-api;version="[2.2,3)";io.undertow.servlet.util;version="[2.2,3)";io.undertow.websocketsockets;version="[2.2,3)";io.undertow.websocketsockets.client;version="[2.2,3)";io.undertow.websocketsockets.core;version="[2.2,3)";io.undertow.websocketsockets.core.protocol;version="[2.2,3)";io.undertow.websocketsockets.core.protocol.version07;version="[2.2,3)";io.undertow.websocketsockets.core.protocol.version08;version="[2.2,3)";io.undertow.websocketsockets.core.protocol.version13;version="[2.2,3)";io.undertow.websocketsockets.extensions;version="[2.2,3)";io.undertow.websocketsockets.spi;version="[2.2,3)";javax.net.ssl;javax.servlet;javax.servlet.http;javax.websocket;javax.websocket.server;org.jboss.logging;org.xnio;org.xnio.channels;org.xnio.http;version="[3.8,4)";org.xnio.ssl;version="[3.8,4)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Scm-Url: https://github.com/undertow-io/undertow/undertow-websockets-jsr
"io.undertow.websocketsockets.jsr.annotated;uses:"="io.undertow.servlet.api,io.undertow.websocketsockets.jsr,javax.websocket";version="2.2.5.Final",
"io.undertow.websocketsockets.jsr.util;uses:"="javax.websocket";version="2.2.5.Final"
Bundle-Name: Undertow WebSockets JSR356 implementations
Build-Jdk-Spec: 1.8
Implementation-Title: Undertow WebSockets JSR356 implementations
Bundle-Description: Undertow
Implementation-Version: 2.2.5.Final
Java-Version: 1.8.0_251
Scm-Connection: scm:git://github.com/undertow-io/undertow.git/undertow-websockets-jsr
Specification-Vendor: JBoss by Red Hat
Os-Arch: amd64
Bundle-ManifestVersion: 2
Java-Vendor: Oracle Corporation
Bundle-Vendor: JBoss by Red Hat
Os-Name: Linux
Tool: Bnd-5.1.1.202006162103
Implementation-Vendor: JBoss by Red Hat
Os-Version: 5.6.13-100.fc30.x86_64
Originally-Created-By: Apache Maven Bundle Plugin
Sem-Revision: 24db3342029e8132d86a2bf2a819967632c3ae5
Bundle-Version: 2.2.5.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_251
Specification-Version: 2.2
Implementation-URL: http://www.jboss.org/undertow-parent/undertow-websockets-jsr

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* /opt/cola/permits/1174809667_1624022587.37/0/undertow-websockets-jsr-2-2-5-final-jar/META-INF/MANIFEST.MF
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# regenerator-runtime

Standalone runtime for
[Regenerator](https://github.com/facebook/regenerator)-compiled generator
and `async` functions.

To import the runtime as a module (recommended), either of the following
import styles will work:
```js
``` // CommonJS
const regeneratorRuntime = require("regenerator-runtime");

// ECMAScript 2015
import regeneratorRuntime from "regenerator-runtime";
```

To ensure that `regeneratorRuntime` is defined globally, either of the
following styles will work:
```js
``` // CommonJS
require("regenerator-runtime/runtime");

// ECMAScript 2015
import "regenerator-runtime/runtime";
```

To get the absolute file system path of `runtime.js`, evaluate the
following expression:
```js
``` require("regenerator-runtime/path").path
```
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esprima@4.0.1

git+https://github.com/jquery/esprima.git

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[cam-tasklist-filter-modal-form-permission] {
  .btn-link {
    padding-left: 0;
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  }

  .input-group-btn:first-child > .btn {
    border-right: 0;
  }

  .form-control-static {
    padding-top: 8px;
  }

  .fake-button {
    display: inline-block;
    text-align: center;
    width: 39px;
    padding: @padding-base-vertical @padding-base-horizontal;
    border: 1px solid transparent;

    > .glyphicon {
      vertical-align: middle;
    }
  }

  .global-access {
    margin-bottom: 0;
  }

  .row-action {
    padding-top: 0;
  }

  .btn-remove {
    > .hidden-sm {
      padding-right: 0;
      margin-right: 0;
    }

    &:hover {
      text-decoration: none;
    }
  }
}
input.ng-invalid-authorization.ng-valid-duplicate {
  color: @input-color;
  background-color: @input-bg;
  border-color: @input-border;
  .box-shadow(inset 0 1px 1px rgba(0,0,0,0.075));
  .form-control-focus();
}

1.608 wildfly-elytron-x500-cert 1.15.3.Final

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* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/SubjectAlternativeNamesExtension.java
* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/IssuerAlternativeNamesExtension.java
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* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-
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* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-
jar/org/wildfly/security/x500/cert/PolicyMappingsExtension.java
* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-
jar/org/wildfly/security/x500/cert/X509CertificateExtension.java
* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-
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* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/package-info.java

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* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/PKCS10CertificateSigningRequest.java
* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/CertUtil.java
* /opt/cola/permits/1174809316_1624022836.97/0/wildfly-elytron-x500-cert-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/SelfSignedX509CertificateAndSigningKey.java
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1.609 smallrye-reactive-converter-api 2.1.1

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1.611 pcre 8.41

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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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Metadata-Version: 2.1
Name: Jinja2
Version: 3.0.1
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
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Project-URL: Changes, https://jinja.palletsprojects.com/changes/
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Project-URL: Chat, https://discord.gg/pallets
Description: Jinja

======

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.
Installing
---------

Install and update using `pip`_

.. code-block:: text

    $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
      <ul>
        {% for user in users %}
          <li><a href="{{ user.url }}">{{ user.username }}</a></li>
        {% endfor %}
      </ul>
    {% endblock %}

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-   Issue Tracker: https://github.com/pallets/jinja/issues/
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Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=3.6
Description-Content-Type: text/x-rst
Provides-Extra: i18n

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[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://jinja.palletsprojects.com/
  Changes = https://jinja.palletsprojects.com/changes/
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license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A very fast and expressive template engine.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/Stable
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  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python
  Topic :: Internet :: WWW/HTTP :: Dynamic Content
  Topic :: Text Processing :: Markup :: HTML

[options]
packages = find:
  package_dir = = src
  include_package_data = true
  python_requires = >= 3.6

[options.packages.find]
  where = src

[options.entry_points]
babel.extractors =
jinja2 = jinja2.ext:babel_extract[i18n]

[tool:pytest]
testpaths = tests
filterwarnings =
  error

[coverage:run]
branch = True
source =
jinja2
tests

[coverage:paths]
source =
src
*/site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
  E203
  E501
  E722
  W503
max-line-length = 80
per-file-ignores =
  src/jinja2/__init__.py: F401

[mypy]
files = src/jinja2
python_version = 3.6
disable_subclassing_any = True
disable_untyped_calls = True
disable_untyped_defs = True
disable_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

[mypy-jinja2.defaults]
no_implicit_reexport = False
1.613 wildfly-datasources-agroal 23.0.2.Final

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  <xsl:param name="product.release.name"/>
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      </head>
      <body>
        <h2><xsl:value-of select="$product.release.name"/>&nbsp;&lt;xsl:text&gt; -$Version,
            "&gt; - Servlet Feature Pack&lt;/h2&gt;
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            upon or construed as a legal opinion or legal advice.&lt;/p&gt;
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<th>Package Version</th>
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<th>Local Licenses</th>
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      <text>gnu general public license v2.0 only.html</text>
    </when>
    <when test="$name = ''">
      <text>html</text>
    </when>
    <otherwise>
      <text>concat(translate($name, $uppercase, $lowercase), '.txt')</text>
    </otherwise>
  </choose>
</template>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It’s usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `/distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `/distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.
Here are some examples of maven dependencies:

```xml
<dependency>
    <groupId>org.sonatype.plexus</groupId>
    <artifactId>plexus-sec-dispatcher</artifactId>
    <version>1.3</version>
    <licenses>
        <license>
            <name>Apache Software License 2.0</name>
            <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
        </license>
    </licenses>
</dependency>
<dependency>
    <groupId>org.antlr</groupId>
    <artifactId>antlr-runtime</artifactId>
    <version>3.5</version>
    <licenses>
        <license>
            <name>BSD 3-clause New or Revised License</name>
        </license>
    </licenses>
</dependency>
```

and non-maven dependencies:

```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>
<other>
    <description>AngularJS</description>
    <locations>
        <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
...
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you’ve added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or

```html
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-) 

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

### How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="productname"/>
    <xsl:param name="version"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />

    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
                <table>
                    <tr>
                        <th>Package Group</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)"/>
                        <tr>
                            <td><xsl:value-of select="groupId"/></td>
                            <td><xsl:value-of select="artifactId"/></td>
                            <td><xsl:value-of select="version"/></td>
                            <td>
                                <ul>
                                    <xsl:for-each select="licenses/license">
                                        <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
                                    </xsl:for-each>
                                </ul>
                            </td>
                            <td>
                                <ul>
                                    <xsl:for-each select="licenses/license">
                                        <xsl:variable name="filename" select="concat(../../groupId, ',', ../../artifactId, ',', ../../version, ',', name, '.txt')"/>
                                        <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
                                    </xsl:for-each>
                                </ul>
                            </td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
"name": "rfc4648",
"version": "1.5.0",
"description": "Encoding and decoding for base64, base32, base16, and friends",
"keywords": [
  "Uint8Array",
  "base16",
  "base32",
  "base32hex",
  "base64",
  "base64url",
  "hex"
],
"repository": {
  "type": "git",
  "url": "git@github.com:swansontec/rfc4648.js.git"
},
"license": "MIT",
"author": "William Swanson",
"exports": {
  ".": {
    "import": "./lib/index.mjs",
    "require": "./lib/index.js"
  },
  ".package.json": ".package.json"
},
"main": "/lib/index.js",
"module": "/lib/rfc4648.js",
"types": "/lib/src/index.d.ts",
"files": [
  "CHANGELOG.md",
  "lib/*",
  "README.md",
  "src/*"
],
"scripts": {
  "clean": "rimraf lib",
  "fix": "eslint --fix",
  "lib": "rollup -c",
  "test": "npm test",
  "watch": "npm run clean && gulp watch"
}
"lint": "eslint ",
"precommit": "lint-staged && npm-run-all types test",
"prepare": "npm-run-all clean -p lib types",
"test": "nyc mocha 'test/**/*.{ts,js}"
"types": "tsc",
"verify": "npm-run-all lint types test"
}
"lint-staged": {
  "*.{js,ts}": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@types/eslint/eslint-plugin": "^4.8.2",
  "@types/eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1",
  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-prettier": "^3.1.4",
  "eslint-plugin-promise": "^4.2.1",
  "eslint-plugin-simple-import-sort": "^6.0.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0",
  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin-filesize": "^9.1.1",
  "rollup-plugin-flow-entry": "^0.3.5",
  "rollup-plugin-mjs-entry": "^0.1.1",
  "sucrase": "^3.18.1",
  "typescript": "^4.1.2"}
}

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[Font Awesome v4.3.0](http://fontawesome.io)

### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

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Get started at http://fontawesome.io!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
  - [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
  - [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- v3.2.1 - [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- v4.0.0 - [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- v4.0.1 - [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- v4.0.2 - [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- v4.0.3 - [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- v4.1.0 - [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- v4.2.0 - [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).

Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author

- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```
Build the project and documentation:

```bash
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```bash
$ bundle exec jekyll -w serve
```

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1.615 shadow 4.8.1-1ubuntu5.20.04.1

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gunicorn.logging_config

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doc/sitemap_gen.py

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backport frop python3 Lib/test/support.py

1.620 javassist 3.26.0-GA

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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/CtField.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/tools/reflect/Metaobject.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/stackmap/MapMaker.java
jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/stackmap/TypeData.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/CodeConverter.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/tools/web/Webserver.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/CodeAttribute.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/runtime/DotClass.java

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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/annotation/DoubleMemberValue.java
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* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135840536_1613612905.33/0/javassist-3-26-0-ga-sources-4-jar/javassist/bytecode/annotation/ShortMemberValue.java
1.621 Keyutils 1.6-6

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*/

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* /opt/cola/permits/1174808331_1624022964.08/0/wildfly-elytron-x500-deprecated-1-15-3-final-sources.jar/org/wildfly/security/x500/ElytronMessages.java

1.628 jakarta-ws-rs-api 2.1.6
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* https://github.com/eclipse-ee4j/jaxrs-api

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1.634 musl 1.2.2-r3

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1.635 openssl 1.1.1 1ubuntu2.1~18.04.13

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1.636 ssl-client 1.32.1-r6

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzipped 1.0.4 of 20 December 2006
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1.637 kmod 26 1

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1.638 jackson-databind 2.12.1

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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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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.

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
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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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1.652 ncw-directio 1.0.5

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* /opt/cola/permits/1145449558_1616156160.84/0/netty-buffer-4-1-59-final-sources-1-
jar/io/netty/buffer/PoolChunk.java

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  jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
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  jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
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  jar/io/netty/buffer/UnsafeByteBufUtil.java
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  jar/io/netty/buffer/UnsafeHashMapMap.java
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* /opt/cola/permits/1145449558_1616156160.84/0/netty-buffer-4-1-59-final-sources-1-
  jar/io/netty/buffer/search/BitapSearchProcessorFactory.java
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  jar/io/netty/buffer/search/AhoCorasicSearchProcessorFactory.java
* /opt/cola/permits/1145449558_1616156160.84/0/netty-buffer-4-1-59-final-sources-1-
  jar/io/netty/buffer/search/MultiSearchProcessor.java
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tomb - support for clean goroutine termination in Go.

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

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* 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

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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/JaegerObjectFactory.java
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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/PropagationRegistry.java
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Metadata-Version: 1.2
Name: openpyxl
Version: 3.0.6
Summary: A Python library to read/write Excel 2010 xlsx/xlsm files
Home-page: https://openpyxl.readthedocs.io
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   :alt: coverage status

Introduction
------------

openpyxl is a Python library to read/write Excel 2010 xlsx/xlsm/xltx/xltm files.

It was born from lack of existing library to read/write natively from Python
the Office Open XML format.

All kudos to the PHPExcel team as openpyxl was initially based on PHPExcel.

Security
--------

By default openpyxl does not guard against quadratic blowup or billion laughs
xml attacks. To guard against these attacks install defusedxml.
Mailing List
----------

The user list can be found on http://groups.google.com/group/openpyxl-users

Sample code::

    from openpyxl import Workbook
    wb = Workbook()

    # grab the active worksheet
    ws = wb.active

    # Data can be assigned directly to cells
    ws['A1'] = 42

    # Rows can also be appended
    ws.append([1, 2, 3])

    # Python types will automatically be converted
    import datetime
    ws['A2'] = datetime.datetime.now()

    # Save the file
    wb.save("sample.xlsx")

Documentation
------------

The documentation is at: https://openpyxl.readthedocs.io

* installation methods
* code examples
* instructions for contributing


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1.677 jetty-util-ajax 9.4.38.v20210224

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* javax.servlet:javax.servlet-api  
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* 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-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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1.678 wildfly-clustering-web-api 23.0.2.Final

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1.679 mongodb 4.0.3

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1.680 debconf 1.5.66ubuntu1

1.681 apk-tools 2.10.5-r1
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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
%.%$(SO),%.%$(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_MAJOR) $@

## Bind internal references
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

---

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## 1.690 jsonpatch 1.9

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1.694 hawtjni-runtime 1.15

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1.702 resteasy-jaxb-provider 3.15.1.Final

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1.712 libseccomp 2.3.3-4

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xz for java (1.8)

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            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
            </body>
        </html>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.
Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```

and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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Version 2.0, January 2004

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  "author": "William Swanson",
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  "types": ".lib/src/index.d.ts",
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    "src/**"
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  "scripts": {
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    "lint": "eslint --",
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Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

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### Changelog

- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
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- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0%26is%3A%21closed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md). Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

- Breaking backward compatibility bumps the major (and resets the minor and patch)
- New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
- Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

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- Twitter: [http://twitter.com/davegandy](http://twitter.com/davegandy)
- GitHub: [https://github.com/davegandy](https://github.com/davegandy)

## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

"FortAwesome/Font-Awesome": "*

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:
$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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1.728 sha256-simd 0.1.1

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1.729 libxfixes 5.0.3-1
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1.730 jsonschema 4.0.1

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1.731 gitdb 4.0.9

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1.732 jboss-ejb-api-3-2-spec 2.0.0.Final

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  - src/basic/siphash24.h
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Jackson is a high-performance, Free/Open Source JSON processing library.
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src/manual/en_US/docgen-originals/figures/tree_with_alpha.png
src/manual/en_US/favicon.png
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    </developer>
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<email>sdouglas@redhat.com</email>
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</build>

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1.767 camunda-engine-rest-core 7.15.0

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1.770 webencodings 0.5.1-r3
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from setuptools import setup, find_packages
import io
import os
import re

VERSION = re.search("VERSION = '([^']+)'", io.open(  
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),  
    encoding='utf-8').read().strip()).group(1)
LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8'
).read()

setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    maintainer='Geoffrey Sneddon',
    maintainer_email='me@gsnedders.com',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
    classifiers=[
        'Development Status :: 4 - Beta',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Programming Language :: Python',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 2.6',
        'Programming Language :: Python :: 2.7',
        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.3',
        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Programming Language :: Python :: Implementation :: CPython',
        'Programming Language :: Python :: Implementation :: PyPy',
        'Topic :: Internet :: WWW/HTTP',
    ],
    packages=find_packages(),
)

Found in path(s):
* /opt/cola/permits/1212620568_1634882273.44/0/python-webencodings-0-5-1-orig-1-tar-gz/webencodings-0.5.1/setup.py

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```
Regenerate the webencodings.labels module.

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```python
import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = [
    ""'
    webencodings.labels
    ~~~~~~~~~~~~~~~~~~~

    Map encoding labels to their name.

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    # XXX Do not edit!
    # This file is automatically generated by mklabels.py

    LABELS = {
        ""
        labels = [
            (repr(assert_lower(label)).lstrip('u'),
            repr(encoding['name']).lstrip('u'))
            for category in json.loads(urlopen(url).read().decode('ascii'))
            for encoding in category['encodings']
            for label in encoding['labels']
        ]
        max_len = max(len(label) for label, name in labels)
        parts.extend(
            '    %s:%s %s
' % (label, ' ' * (max_len - len(label)), name)
            for label, name in labels)
```

parts.append('}]
return ''.join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1212620568_1634882273.44/0/python-webencodings-0-5-1-orig-1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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python-webencodings
===================
This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker: https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ```Content-Type: text/html; charset=latin1```, tools need to use a particular set of aliases for encoding labels as well as some overriding rules.
For example, ```US-ASCII``` and ```iso-8859-1``` on the web are actually aliases for ```windows-1252```, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration.
The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Pythons.

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Metadata-Version: 1.1
Name: webencodings
Version: 0.5.1
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
This is a Python implementation of the `WHATWG Encoding standard
<http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker: https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
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* Python 2.6+ and 3.3+

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when interpreting something like ``Content-Type: text/html; charset=latin1``,
tools need to use a particular set of aliases for encoding labels
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For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually
aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence
over any other encoding declaration.
The Encoding standard defines all such details so that implementations do
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Pythons.

Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
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Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
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    * /opt/cola/permits/1212620568_1634882273.44/0/python-webencodings-0.5.1-orig-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py
    * /opt/cola/permits/1212620568_1634882273.44/0/python-webencodings-0.5.1-orig-1-tar-gz/webencodings-0.5.1/webencodings/labels.py
    * /opt/cola/permits/1212620568_1634882273.44/0/python-webencodings-0.5.1-orig-1-tar-gz/webencodings-0.5.1/webencodings/tests.py
    * /opt/cola/permits/1212620568_1634882273.44/0/python-webencodings-0.5.1-orig-1-tar-gz/webencodings-0.5.1/webencodings/x_user_defined.py

1.771 picketlink-idm-impl 2.5.5.SP12-redhat-00009

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1.772 python-dateutil 2.8.2

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

dateutil - Extensions to the standard Python datetime module.

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1.773 wildfly-configadmin 23.0.2.Final

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* /opt/cola/permits/1145449572_1616156172.9/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/util/SelfSignedCertificate.java
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* /opt/cola/permits/1145449572_1616156172.9/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /opt/cola/permits/1145449572_1616156172.9/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
* /opt/cola/permits/1145449572_1616156172.9/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/logging/ByteBufFormat.java
* /opt/cola/permits/1145449572_1616156172.9/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ssl/SslClosedEngineException.java
* /opt/cola/permits/1145449572_1616156172.9/netty-handler-4-1-59-final-sources-
  jar/io/netty/handler/ipfilter/IpSubnetFilter.java
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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java

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* /opt/cola/permits/1145449572_1616156172.9/0/netty-handler-4-1-59-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
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That's all there is to it!

1.786 scowl 2017.08.24-1
1.786.1 Available under license:
This package was debianized by David Coe <davide@debian.org> on Sun, 15 Jun 2003.

SCOWL (Spell Checker Oriented Word Lists) is a collection of English word lists maintained by Kevin Atkinson <kevina@users.sourceforge.net>

It was downloaded from:
http://prdownloads.sourceforge.net/wordlist/scowl-5.tar.gz

SF project page:
http://wordlist.sourceforge.net/

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the
Supplement) in order to help improve the overall quality of SCOWL.

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

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The "UK English Wordlist With Frequency Classification" is also in the Public Domain:

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

> I was wondering what the copyright status of your "UK English Wordlist With Frequency Classification" word list as it seems to be lacking any copyright notice.

There were many many sources in total, but any text marked "copyright" was avoided. Locally-written documentation was one source. An earlier version of the list resided in a filespace called PUBLIC on the University mainframe, because it was considered public domain.

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

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

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

The 35 level includes frequency classes 2-6 and words appearing in at least 11 of 12 dictionaries as indicated in the 12Dicts package. All words from the 12Dicts package have had likely inflections added via my inflection database.

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

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

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

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

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

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

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

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The 95 level includes the 354,984 single words, 256,772 compound
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from the MWords package, ABLE.LST from the ENABLE Supplement, and some
additional words found in my part-of-speech database that were not
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Refactored SqlBuilder class (SQL, AbstractSQL)

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.
Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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

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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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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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<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:

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Ty Coon, President of Vice

That's all there is to it!
1.794 python-interface 1.6.0

1.794.1 Available under license:

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1.795 curl 7.64.0-4+deb10u2

1.795.1 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!

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
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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](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This
particular problem was addressed when the [Modified BSD
license](https://opensource.org/licenses/BSD-3-Clause) was created, which does
not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is
very liberal.

## OpenSSL
(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

## GnuTLS

(May be used for SSL/TLS support) Uses the LGPL license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

## WolfSSL

(May be used for SSL/TLS support) Uses the GPL license or a proprietary license. If this is a problem for you, consider using another TLS library.

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## BoringSSL

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## libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.
## 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.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

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## libidn

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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.

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1.801 wildfly-clustering-web-infinispan
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1.803 lazy-object-proxy 1.6.0

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1.804 python-dateutil 2.6.0

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Upstream source https://invisible-island.net/ncurses/ncurses.html
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Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- $Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp $

1.812 openstacksdk 0.52.0

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openstack/
  connection.py
  resource.py
  compute/
    compute_service.py
    v2/
      server.py
      _proxy.py
  tests/
    compute/
      v2/
        test_server.py

clouds:
  test_cloud:
    region_name: RegionOne
    auth:
      auth_url: http://.xxx.xxx.xxx.xxx:5000/v2.0/
      username: demo
      password: secrete
      project_name: demo
  rackspace:
    cloud: rackspace
    auth:
      username: joe
      password: joes-password
      project_name: 123123
      region_name: IAD
  example:
    image_name: fedora-20.x86_64
    flavor_name: m1.small
    network_name: private
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* /opt/cola/permits/1174808668_1624022352.56/0/wildfly-elytron-asn1-1-15-3-final-sources-jar/org/wildfly/security/asn1/DERDecoder.java
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* /opt/cola/permits/1174808668_1624022352.56/0/wildfly-elytron-asn1-1-15-3-final-sources-jar/org/wildfly/security/asn1/ASN1Exception.java
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* /opt/cola/permits/1174808668_1624022352.56/0/wildfly-elytron-asn1-1-15-3-final-sources-jar/org/wildfly/security/asn1/ASN1Encoder.java
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* /opt/cola/permits/1174808668_1624022352.56/0/wildfly-elytron-asn1-1-15-3-final-sources-jar/org/wildfly/security/asn1/package-info.java
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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/AbstractOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSpec.java
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1.815 scp 0.12.1

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* /opt/cola/permits/1174808170_1624022776.11/0/wildfly-elytron-sasl-entity-1-15-3-final-sources-jar/org/wildfly/security/sasl/entity/EntitySaslClientFactory.java
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Built-By: genie.microprofile
Bnd-LastModified: 1567462053430
Bundle-ManifestVersion: 2
Import-Package: org.reactivestreams;version="[1.0.0,2)";org.eclipse.microprofile.reactive.streams.operators,org.eclipse.microprofile.reactive.operators.spi
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-3.4.0.201707252008
Export-Package: org.eclipse.microprofile.reactive.streams.operators;uses:="org.eclipse.microprofile.reactive.streams.operators.spi,org.reactivestreams";version="1.0.1",org.eclipse.microprofile.reactive.streams.operators.spi;uses:="org.eclipse.microprofile.reactive.streams.operators,org.reactivestreams";version="1.0.1"
Bundle-Name: Eclipse MicroProfile Reactive Streams Operators API Bundle
Bundle-Version: 1.0.1
Created-By: 1.8.0_192 (Oracle Corporation)
Build-Jdk: 1.8.0_192

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**1.818 nsx-python-sdk 3.1.2.1.1**

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1.821 libpsl 0.19.1-5build1

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1.838 python-requests 2.21.0-1

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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

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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
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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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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1.850 libhxheimdal 7.7.0+dfsg-1ubuntu1

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D3DES (V5.09).

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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 (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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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 (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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* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
  jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
  jar/io/netty/channel/unix/Socket.java
* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
  jar/io/netty/channel/unix/Errors.java
* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
  jar/io/netty/channel/unix/UnixChannel.java
* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
  jar/io/netty/channel/unix/UnixChannel.java
* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
  jar/netty_unix_socket.c
* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-
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* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
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* /opt/cola/permits/1138680848_1614312229.62/0/netty-transport-native-unix-common-4-1-59-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
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1.859 freemarker 2.3.31

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src/manual/en_US/favicon.png 
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1.860 e2fsprogs 1.44.5 1+deb10u3

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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 
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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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Theodore Ts'o
23-June-2007

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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 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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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.
Open Source Used In Branch Migration Tool 1.9  7634

#
# 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)

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:
From the original distribution:

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Gadi Oxman, August 1995

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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java
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  jar/com/google/gson/internal/$Gson$Types.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonWriter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonScope.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/MalformedJsonException.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonReader.java

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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/ConstructorConstructor.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/TimeTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/UnsafeAllocator.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/TreeTypeAdapter.java

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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/Streams.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonStreamParser.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/FieldAttributes.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonParser.java
1.863 libgl1 1.1.0-1

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1.865 jboss-metadata-ear 13.0.0.Final

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1.866 jbossj2eemgmtapi 2.0.0.Final

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[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
project_urls =
Donate = https://palletsprojects.com/donate
Documentation = https://jinja.palletsprojects.com/
Changes = https://jinja.palletsprojects.com/changes/
Source Code = https://github.com/pallets/jinja/
Issue Tracker = https://github.com/pallets/jinja/issues/
Twitter = https://twitter.com/PalletsTeam
Chat = https://discord.gg/pallets
license = BSD-3-Clause
license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A very fast and expressive template engine.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
   Development Status :: 5 - Production/Stable
   Environment :: Web Environment
   Intended Audience :: Developers
   License :: OSI Approved :: BSD License
   Operating System :: OS Independent
   Programming Language :: Python
   Topic :: Internet :: WWW/HTTP :: Dynamic Content
   Topic :: Text Processing :: Markup :: HTML

[options]
packages = find:
   package_dir = = src
   include_package_data = true
   python_requires = >= 3.6

[options.packages.find]
   where = src

[options.entry_points]
babel_extractors =
jinja2 = jinja2.ext:babel_extract[i18n]

[tool:pytest]
testpaths = tests
   filterwarnings =
      error
ignore:The loop argument:DeprecationWarning:asyncio[.]base_events:542

[coverage:run]
branch = True
source =
jinja2
tests

[coverage:paths]
source =
src
*/site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401

[mypy]
files = src/jinja2
python_version = 3.6
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

[mypy-jinja2.defaults]
no_implicit_reexport = False

[mypy-markupsafe]
no_implicit_reexport = False

[egg_info]
tag_build =
tag_date = 0

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Jinja

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async
- Functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing
----------

Install and update using `pip`:

```
$ pip install -U Jinja2
```


In A Nutshell
-------------

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
{% for user in users %}
<li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}
```

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------

The Pallets organization develops and supports Jinja and other popular packages. In order to grow the community of contributors and users, and allow the maintainers to devote more time to the projects, `please donate today`._
Links
-----

- Documentation: https://jinja.palletsprojects.com/
- Changes: https://jinja.palletsprojects.com/changes/
- PyPI Releases: https://pypi.org/project/Jinja2/
- Source Code: https://github.com/pallets/jinja/
- Issue Tracker: https://github.com/pallets/jinja/issues/
- Website: https://palletsprojects.com/p/jinja/
- Twitter: https://twitter.com/PalletsTeam
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* /opt/cola/permits/1210557185_1633418177.62/0/jinja2-3-0-2-tar-gz/Jinja2-3.0.2/src/Jinja2.egg-info/PKG-INFO

1.868 stax-mapper 1.3.0.Final

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1.872 idna 3.3

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1.873 alpine-keys 2.3-r1

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1.874 nettle 3.7.3-r0

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* https://github.com/eclipse-ee4j/common-annotations-api

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* /opt/cola/permits/1171712276_1623127845.45/0/netty-resolver-4-1-62-final-jar/META-INF/maven/io.netty/netty-resolver/pom.xml

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Manifest-Version: 1.0
Implementation-Title: Netty/Resolver
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.resolver
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.resolver
Implementation-Version: 4.1.62.Final
Built-By: norman
Bnd-LastModified: 161712823709
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.util;version="[4.1,5)";io.netty.util.concurrent;version="[4.1,5)";io.netty.util.logging;version="[4.1,5)";sun.nio.ch;resolution:=optional
1.901 xsdlib 2013.6.1

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  jar/com/sun/msv/datatype/regexp/ParserForXMLSchema.java
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  jar/com/sun/msv/datatype/regexp/RegexParser.java
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* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/WhiteSpaceFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/SerializationContext.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/XSDatatypeImpl.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/DataTypeWithLexicalConstraintFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/UnsignedLongType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/Base64BinaryType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/IDType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/GYearMonthType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/IntegerType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/GDayType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/ListValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/DurationType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/ConcreteType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/TokenType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/DataTypeWithFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/datetime/AbstractCalendarParser.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/datetime/CalendarFormatter.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/datetime/CalendarParser.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/datetime/TimeZone.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/TotalDigitsFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/regexp/RegExp.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/FinalComponent.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/GMonthType.java
Open Source Used In Branch Migration Tool 1.9

* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/Discrete.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/IntegerDerivedType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/regex/JDKImpl.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/UnionType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/Comparator.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/datetime/PreciseCalendarParser.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/NormalizedStringType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/QnameValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/xml/util/XmlChars.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/datetime/BigDateTimeValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/XmlNames.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/HexBinaryType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/PatternFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/DataTypeWithValueConstraintFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/UnsignedIntType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/TypeIncubator.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/FloatingNumberType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/IntegerValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/datetime/ITimeDurationValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/RangeFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/NameType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/ListType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/xsd/TimeType.java
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jar/com/sun/msv/datatype/regexp/RangeToken.java
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* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/regexp/ParseException.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/regexp/RegularExpression.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/regexp/Match.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/regexp/REUtil.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-jar/com/sun/msv/datatype/regexp/BMPattern.java

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include/GL/glxext.h
include/GL/wglxext.h :

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1.911 netty-codec 4.1.62.Final

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Manifest-Version: 1.0
Implementation-Title: Netty/Codec
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.codec
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.codec
Implementation-Version: 4.1.62.Final
Built-By: norman
Bnd-LastModified: 1617128255368
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Require-Capability: osgi.ee:filter="(&osgi.ee=JavaSE)(version=1.6)"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/Codec
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Created-By: Apache Maven Bundle Plugin
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1.913 flask-testing 0.8.1

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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/CookieSameSiteMode.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/OverridableTreeSet.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/protocol/ajp/SecurityActions.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/ReadOnlyIterator.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/BlockingReadTimeoutHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/BlockingWriteTimeoutHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/SetErrorHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/SameSiteNoneIncompatibleClientChecker.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/DelegatingIterable.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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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNProvider
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#
io.undertow.protocols.ssl.SNIAlpnEngineManager
io.undertow.protocols.alpn.DefaultAlpnEngineManager

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jar/io/undertow/protocols/alpn/DefaultAlpnEngineManager.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
  jar/io/undertow/protocols/ssl/SNISSLEngine.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
  jar/io/undertow/protocols/alpn/ALPNEngineManager.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
  jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
  jar/io/undertow/protocols/ssl/SNISSLExplorer.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
  jar/io/undertow/protocols/ssl/SNISSLContext.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
  jar/io/undertow/protocols/ssl/SNISSLContextSpi.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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 */
/**
 * Handler responsible for checking of confidentiality is required for the requested resource and if so rejecting the request
 * and redirecting to a secure address.
 *
 * @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.
 */
/**
 * 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.
 */

Found in path(s):
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/security/handlers/AbstractConfidentialityHandler.java

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* /opt/cola/permits/1174808661_1624022496.82/0/undertow/security/handlers/CachedAuthenticatedSessionHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow/security/idm/PasswordCredential.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow/util/MimeMappings.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow/util/HeaderMap.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/io/Receiver.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/session/SessionListener.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/conduits/InflatingStreamSourceConduit.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/websockets/core/WebSocketLogger.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/protocols/alpn/JDK9AlpnProvider.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/predicate/EqualsPredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/protocol/framed/FrameHeaderData.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/client/ClientConnection.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/predicate/TruePredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/predicate/MinContentSizePredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/handlers/resource/FileResource.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/conduits/ReadTimeoutStreamSourceConduit.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/client/ajp/AjpClientConnection.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/protocols/http2/Http2GoAwayStreamSourceChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/channels/DetachableStreamSinkChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/websockets/WebSocketConnectionCallback.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterController.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/protocols/ssl/UndertowXnioSsl.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/protocols/http2/Http2PriorityTree.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/security/impl/CachedAuthenticatedSessionMechanism.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/attribute/RequestURLAttribute.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/handlers/PathTemplateHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/websockets/client/WebSocket13ClientHandshake.java
* /opt/ cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/protocol/ParseTimeoutUpdater.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/security/impl/CachedAuthenticatedSessionMechanism.java
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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/resource/CachingResourceManager.java
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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/client/UndertowClient.java
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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/SecureCookieHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/BlockingHttpExchange.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/protocols/http2/Http2PingStreamSinkChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/sse/ServerSentEventConnectionCallback.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/SimpleObjectPool.java
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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/conduits/AbstractFramedStreamSinkConduit.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/security/impl/DigestQop.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/util/CopyOnWriteMap.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/server/handlers/URLDecodingHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/websockets/core/StreamSourceFrameChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/attribute/RequestHeaderAttribute.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/util/FileUtils.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources.jar/io/undertow/predicate/SecurePredicate.java
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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/websockets/core/WebSocketUtils.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/protocols/http2/Http2DiscardParser.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/client/http2/Http2ClearClientProvider.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/protocols/ajp/AbstractAjpClientStreamSinkChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/MaxContentSizePredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/websockets/core/WebSocketFrame.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/protocol/http/HttpReadListener.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/security/api/NonceManager.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/security/api/NonceManager.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/websockets/core/protocol/version07/WebSocket07PongFrameSinkChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/websockets/core/protocol/version13/Hybi13Handshake.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/IdempotentPredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/websockets/core/protocol/ajp/Handshake.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/SSLHeaderHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/PathTemplatePredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/PathMatchPredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/security/api/SecurityNotification.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/CanonicalPathUtils.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/conduits/ReadDataStreamSourceConduit.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/SSLHeaderHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/PredicateParser.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/protocol/ajp/AjpServerResponseConduit.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/conduits/EmptyStreamSourceConduit.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/PathMatcher.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/attribute/BytesSentAttribute.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/DisallowedMethodsHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/encoding/ContentEncodingProvider.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/ChainedHandlerWrapper.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/HttpUpgradeHandshake.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/PooledAdaptor.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/encoding/AllowedContentEncodings.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/sse/ServerSentEventHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/ExchangeCompletionListener.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/Version.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow/protocols/http2/Http2RstStreamSinkChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/HttpContinueReadHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/ContainsPredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/Version.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow/protocols/http2/Http2FramePriority.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/session/SessionManagerStatistics.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/builder/HandlerBuilder.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/session/SessionManagerStatistics.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/Headers.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/FlexBase64.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/protocols/http2/Http2FramePriority.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/HttpContinueReadHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/ContainsPredicate.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/HttpContinueReadHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/predicate/ContainsPredicate.java
jar/io/undertow/server/handlers/RedirectHandler.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/protocols/ajp/AbstractAjpClientStreamSourceChannel.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/util/MultipartParser.java

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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/util/UrlDecodeException.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/handlers/proxy/RouteIteratorFactory.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-
jar/io/undertow/server/handlers/proxy/RouteParsingStrategy.java

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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
  */

Found in path(s):
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/PortableConcurrentDirectDeque.java
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* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPConfig.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/ProxyConnectionPoolConfig.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/Node.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/NodeLbStatus.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPWebManager.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterProxyTarget.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterProxyClient.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPInfoUtil.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ModCluster.java
* /opt/cola/permits/1174808661_1624022496.82/0/undertow-core-2-2-5-final-sources-jar/io/undertow/util/FastConcurrentDirectDeque.java
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 */
/**
 * <p>
 * Encodes and decodes to and from Base64 notation.
 * </p>
 * <p>
 * </p>
 * <p>
 * Example:
 * </p>
 * */
```java
String encoded = Base64.encode( myByteArray );
byte[] myByteArray = Base64.decode( encoded );
```

The `options` 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 [RFC3548](http://www.faqs.org/rfcs/rfc3548.html), 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;
buffer was
* not properly shrunk and contained an extra (null) byte that made it into the string.</li>
* v2.3.5 - Fixed bug in {@link #encodeFromFile} where estimated buffer size was wrong for files of size 31, 34, and 37
* bytes.</li>
* 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
* {@link #decodeToObject(String, int, ClassLoader)} method.</li>
* 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>
* 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>
* v2.3.1 - Added {@link #encodeBytesToBytes(byte[], int, int, int)} and some similar helper methods to be
* more efficient
* with memory by not returning a String but just a byte array.</li>
* v2.3 - <strong>This is not a drop-in replacement!</strong> 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 <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>.</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.IOExceptiones 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>Threw NullPointerExceptions and IllegalArgumentExceptions as needed such as when passed arrays are null or 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 (~<tt>&lt;</tt>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>
  * <li>The default is RFC3548 format.</li>
  * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in Section 4 of RFC3548. http://www.faqs.org/rfcs/rfc3548.html</li>
  * <li>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/rfc-c-1940.html</li>
  * </ol>
  * Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a> for contributing the new Base64 dialects.</li>
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
* <li>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 (</li>
* <tt>int</tt>s that you "OR" together).</li>
* <li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.</li>
  * 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).</li>
* <li>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.</li>
* <li>v1.4 - Added helper methods to read/write files.</li>
* <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
<ul>
<li>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.</li>
<li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
<li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
<li>@author Robert Harder</li>
<li>@author rob@iharder.net</li>
<li>@version 2.3.7</li>
</ul>

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```xml
<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="version"/>
    <xsl:param name="product.release.name"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'"/>
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'"/>
    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
                <!-- Read matching templates -->
                <table>
                    <tr>
                        <th>Package Group</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)"/>
                        <tr>
                            <td><xsl:value-of select="groupId"/></td>
                            <td><xsl:value-of select="artifactId"/></td>
                            <td><xsl:value-of select="version"/></td>
                            <td><xsl:value-of select="remoteLicense"/></td>
                            <td><xsl:value-of select="localLicense"/></td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
```
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# Dependency License Information
## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
```
and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
    </license>
  </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.
Example command line:

```bash
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or
Button label

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

### How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

Get started at http://fontawesome.io!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-
Open Source Used In Branch Migration Tool 1.9

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).

Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

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- Twitter: [http://twitter.com/davegandy](http://twitter.com/davegandy)
- GitHub: [https://github.com/davegandy](https://github.com/davegandy)

## Component

To include as a [component](http://github.com/component/component), just run
$ component install FortAwesome/Font-Awesome

Or add

"FortAwesome/Font-Awesome": "*

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

$ bundle install
$ npm install

Build the project and documentation:

$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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jai-imageio

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* Tim Martin
* Rob Earhart
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<xsl:stylesheet version="1.0"/>
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<!-- Read matching templates -->
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<tr>
<th>Package</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
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  <xsl:sort select="concat(groupId, '.', artifactId)"/>
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    <td><xsl:value-of select="concat(groupId, packageName)"/></td>
    <td><xsl:value-of select="artifactId"/></td>
    <td><xsl:value-of select="version"/></td>
    <td>
      <xsl:for-each select="licenses/license">
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      </xsl:for-each>
    </td>
    <td>
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        <xsl:variable name="last-index">
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            <xsl:with-param name="txt" select="url"></xsl:with-param>
          </xsl:call-template>
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  <xsl:when test="contains($filename, 'bsd') and contains($filename, '3-clause')">
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  <xsl:when test="$filename = 'the dom4j license - license'">
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  </xsl:when>
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<xsl:when test="contains($filename, 'gnu general public license, gpl-2.0-ce.txt')">gnu general public license v2.0 only, with classpath exception.txt</xsl:when>

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<xsl:when test="contains($filename, 'mit license.txt')">mit license.txt</xsl:when>

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<xsl:when test="contains($filename, 'bsd licence - license')">antlr-bsd.txt</xsl:when>
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1.923 libsoup-gnome 2.64.2-2

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@end enumerate

@end iftex
@end ifinfo
@page
@heading 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 the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
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.

@smallexample
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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:

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Gnomovision version 69, Copyright (C) @var{year} @var{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.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, the
commands you use may be called something other than @samp{show w} and
@samp{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:

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`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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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

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- the _programs_ gettext, ngettext, envsubst,
- the documentation.

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Version 2.1, February 1999

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AES in libhcrypto

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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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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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_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
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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
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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1.932 libxxcb 1.6.7-1+deb10u2

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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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rijndael-alg-fst.c

@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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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/* Before including this file, you need to include <config.h> and
<string.h>, and define:
RETURN_TYPE             A macro that expands to the return type.
AVAILABLE(h, h_l, j, n_l)
   A macro that returns nonzero if there are
   at least N_L bytes left starting at H[J].
   H is 'unsigned char *', H_L, J, and N_L
   are 'size_t'; H_L is an lvalue.  For
   NUL-terminated searches, H_L can be
   modified each iteration to avoid having
   to compute the end of H up front.

For case-insensitivity, you may optionally define:
CMP_FUNC(p1, p2, l)     A macro that returns 0 iff the first L
   characters of P1 and P2 are equal.
CANON_ELEMENT(c)        A macro that canonicalizes an element right after
   it has been fetched from one of the two strings.
   The argument is an 'unsigned char'; the result
   must be an 'unsigned char' as well.

This file undefines the macros documented above, and defines
LONG_NEEDLE_THRESHOLD.
*/

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

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Richard Outerbridge

DES core in libhcrypto

D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec’s THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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1.947 e2fsprogs 1.44.1 1ubuntu1.3
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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

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-
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Theodore Ts'o
23-June-2007
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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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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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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:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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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/

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): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(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) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \ -$(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)
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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1.952 libsemanage 3.0 1build2

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AES in libhcrypto

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rijndael-alg-fst.c

@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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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Subject: Re: XZ utils for Debian
Date: Sun, 19 Jul 2009 13:28:23 +0300
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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
and the initial implementation of incremental propagation, including
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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
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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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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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table of data to be supplied by an application program that uses
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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

5. A program that contains no derivative of any portion of the
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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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1.983 typing 3.7.4.3

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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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1.984 e2fsprogs 1.45.5 2ubuntu1

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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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#
# 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) $(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) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(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)

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

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Theodore Ts'o
23-June-2007

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

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

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html"/>
  <xsl:param name="version"/>
  <xsl:param name="product.release.name"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '"/>
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!"/>
  <xsl:template match="/">
    <html>
      <head>
        <meta http-equiv="Content-Type" content="text/html;charset=utf-8"/>
        <link rel="stylesheet" type="text/css" href="licenses.css"/>
      </head>
      <body>
        <h2><xsl:value-of select="$product.release.name"/> - Servlet Feature Pack</h2>
        <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
        <!-- Read matching templates -->
    </body>
  </xsl:template>
</xsl:stylesheet>
<table>
<thead>
<tr>
<th>Package Group</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

```html
<xsl:template name="remap-local-filename">
  <xsl:param name="name"/>
  <xsl:choose>
    <xsl:when test="$name = 'GNU General Public License v2.0 only'">
      <xsl:text>gnu general public license v2.0 only.html</xsl:text>
    </xsl:when>
    <xsl:when test="$name = '"">
      <xsl:text>.html</xsl:text>
    </xsl:when>
    <xsl:otherwise>
      <xsl:value-of select="concat(translate($name, $uppercase, $lowercase), '.txt')"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:template>
```
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We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumberance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to
do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
```xml
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```xml
```xml
and non-maven dependencies:

```xml
```other``
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
```other``
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
    </license>
  </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```bash
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet
### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-) 

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute
Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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v. 2.1

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            </head>
            <body>
                <h2><xsl:value-of select="$productname"/> <xsl:value-of select="$version"/></h2>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
                <table>
                    <tr>
                        <th>Packagge Group</th>
                        <th>Packagge Artifact</th>
                        <th>Packagge Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
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<th>Description</th>
<th>Locations</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
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**License Summary: Dependencies**

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<th>Artifact ID</th>
<th>Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
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</tbody>
</table>

**Remote Licenses:**

- [Remote License 1](filename1.txt)
- [Remote License 2](filename2.txt)
- [Remote License 3](filename3.txt)

**Local Licenses:**

- [Local License 1](filename1.txt)
- [Local License 2](filename2.txt)
- [Local License 3](filename3.txt)
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  "require": "./lib/index.js"
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},
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  "lib/*",
  "README.md",
  "src/*"
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  "fix": "eslint . --fix",
  "lib": "rollup -c",
  "lint": "eslint .",
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  "prepare": "npm-run-all clean -p lib types",
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"rollup-plugin-flow-entry": "^0.3.5",
"rollup-plugin-mjs-entry": "^0.1.1",
"sucrase": "^3.18.1",
"typescript": "^4.1.2"
}
}

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# [Font Awesome v4.3.0](http://fontawesome.io)

### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

Get started at [http://fontawesome.io](http://fontawesome.io)!

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## Changelog

- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

```
`<major>.<minor>.<patch>`
```

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

- Email: dave@fontawesome.io
- Twitter: [http://twitter.com/davegandy](http://twitter.com/davegandy)
- GitHub: [https://github.com/davegandy](https://github.com/davegandy)

## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```
Build the project and documentation:

$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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1.990 libpwquality 1.4.2-1build1

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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
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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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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"
* less memory than encoding/decoding an entire file into memory before writing.</li>
* <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>
* <li>The default is RFC3548 format.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.
* <li>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</li>
* </ol>
* Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a>
* for contributing the new Base64 dialects.
* </li>
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
* some convenience methods for reading and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.</li>
* <li>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 (<tt>int</tt>s that you "OR" together).</li>
* <li>v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.
* 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).</li>
* <li>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.</li>
* <li>v1.4 - Added helper methods to read/write files.</li>
* <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* <li>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.</li>
* <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
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*/

@version 2.2.2
*/

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* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-
  jar/org/hornetq/utils/Base64.java
No license file was found, but licenses were detected in source scan.

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* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-
  jar/org/hornetq/utils/UUID.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-
  jar/org/hornetq/utils/UUIDGenerator.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-
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1.996 zstd 1.4.4

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jar/net/bytebuddy/implementation/bind/ArgumentTypeResolver.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/dynamic/scaffold/MethodRegistry.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/description/modifier/ParameterManifestation.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/description/ModifierReviewable.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bind/AnnotationIgnoreForBinding.java
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jar/net/bytebuddy/dynamic/ClassFileLocator.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/description/annotation/package-info.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/utility/OpenedClassReader.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/ExceptionMethod.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/description/DeclaredByType.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/dynamic/scaffold/inline/DecoratingDynamicTypeBuilder.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/agent/build/CachedReturnPlugin.java
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jar/net/bytebuddy/description/modifier/MethodManifestation.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bytecode/collection/ArrayFactory.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bytecode/constant/JavaConstantValue.java
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jar/net/bytebuddy/implementation/bind/annotation/Super.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/dynamic/loading/InjectionClassLoader.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/matcher/MethodParameterTypesMatcher.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/description>TypeVariableSource.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bind/annotation/package-info.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/EqualsMethod.java
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jar/net/bytebuddy/description/enumeration/package-info.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/matcher/ErasueMatcher.java
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jar/net/bytebuddy/implementation/bytecode/Throw.java
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jar/net/bytebuddy/description/type/PackageDescription.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bind/package-info.java
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jar/net/bytebuddy/asm/MemberRemoval.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bytecode/collection/ArrayAccess.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/bytecode/assign/primitive/VoidAwareAssigner.java
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* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/utility/CompoundList.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/implementation/attribute/AnnotationValueFilter.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/utility/RandomString.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-
jar/net/bytebuddy/dynamic/loading/PackageDefinitionStrategy.java
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* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/matcher/AccessibilityMatcher.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/implementation/bytecode/constant/ClassConstant.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/implementation/bind/annotation/SuperMethod.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/asm/MemberSubstitution.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/description/modifier/SynchronizationState.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/build/Plugin.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0-byte-buddy-1-9-11-sources-jar/net/bytebuddy/implementation/auxiliary/MethodCallProxy.java

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* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm>TypePath.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/AnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/MethodWriter.java
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* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/Handler.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/signature/SignatureReader.java
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* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/Constants.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/SymbolTable.java
* /opt/ws_local/PERMITS_SQL/1013453404_1591357223.5/0/byte-buddy-1-9-11-sources-jar/net/bytebuddy/jar/asm/ClassVisitor.java
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from wtforms.fields import *
from wtforms.form import Form
from wtforms.validators import ValidationError

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setup(
    name='WTForms',
    version=__version__,
    url='https://wtforms.readthedocs.io/',
    project_urls={
        'Documentation': 'https://wtforms.readthedocs.io/',
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    license='BSD-3-Clause',
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-----
Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I
did for the openldap server as long as this is consistent with the openldap
license. Please forward this email to Kurt so he does the appropriate
changes to the files to reflect this.

Regards, Juan
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MA
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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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-Mark
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After discussing this license with the OpenLDAP Foundation we received clarification on it:

---

* To: Stephen Frost <sfrost@snowman.net>
* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>, debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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Regards, Kurt

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Special thanks are due to Chip Rosenthal for his fine testing efforts; to Steve Simmons for his work in porting this code to BSD; and to Bill Kennedy for his contributions of LaserJet printer time and energies. Also, thanks for Dennis L. Mumaugh for the initial shell password information and to Tony Walton (olapw@olgb1.oliv.co.uk) for the System V Release 4 changes. Effort in porting to SunOS has been contributed by Dr. Michael Newberry (miken@cs.adfa.oz.au) and Micheal J. Miller, Jr. (mke@kaberd.rain.com). Effort in porting to AT&T UNIX System V Release 4 has been provided by Andrew Herbert (andrew@werple.pub.uu.oz.au). Special thanks to Marek Michalkiewicz (marekm@i7linuxb.ists.pwr.wroc.pl) for taking over the Linux port of this software.

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1.1020 json-encoder 0.4.4

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Metadata-Version: 1.1
Name: json-encoder
Version: 0.4.4
Summary: json encoder uses singledispatch pattern instead of JSONEncoder class overwrites
Home-page: UNKNOWN
Author: NZME
Author-email: sysadmin@grabone.co.nz
License: UNKNOWN
Description: json-encoder

* json encoder uses `singledispatch pattern`_ instead of JSONEncoder class overwrites.

* No more `json.dumps(data, cls=MyJSONEncoder)` everywhere.

* Comes with default serialization for time, date, datetime, UUID and Decimal

* Easy to use, easy to change serialization behaviour

* Not tight to any json implementation `json, simplejson, ujson` ...

* It parse json float numbers into Decimal objects to prevent python float precision issues.

.. image:: https://travis-ci.org/NZME/json-encoder.svg?branch=master&maxAge=259200
   :target: https://travis-ci.org/NZME/json-encoder

.. image:: https://img.shields.io/pypi/v/json-encoder.svg?maxAge=259200
   :target: https://pypi.python.org/pypi/json-encoder

Installation

----------
.. code-block:: bash

    $ pip install json-encoder

Quick start
-----------

* Use "json_encoder.json” instead of default python json::

    from json_encoder import json

    result = json.dumps(data)

Configuration
-------------

* Chose json implementation::

    # simplejson library is used as default json implementation if present
    # otherwise standard python json implementation is used
    # to use other json implementation globally, do:

    import ujson
    from json_encoder import use_json_library

    use_json_library(ujson)

* To change json implementation for concrete call do::

    from json_encoder import json
    import simplejson

    result = json.dumps(data, json=simplejson)

* To make your object JSON serializable do::

    # example how to make python fraction object json serializable

    from fractions import Fraction
    from json_encoder.encoder import json_encoder

    @json_encoder.register(Fraction)
    def encode_fraction(obj):
        return '{}/{}'.format(obj.numerator, obj.denominator)

* To overwrite JSON serializer behaviour defined in json_encoder.encoder::

    from uuid import UUID
from six import text_type
from json_encoder.encoder import json_encoder

@json_encoder.register(UUID)
def encode_uuid(obj):
    return text_type(obj).replace('-', '')

Requirements
-------------
* `singledispatch` >= 3.4.0.3 for python version < 3.4 only

.. _singledispatch pattern: https://docs.python.org/3/library/functools.html#functools.singledispatch
.. _singledispatch: https://bitbucket.org/ambv/singledispatch

Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.5

Found in path(s):
* /opt/cola/permits/1158394650_1625142197.8/0/json-encoder-0-4-4-tar-gz/json-encoder-0.4.4/PKG-INFO
* /opt/cola/permits/1158394650_1625142197.8/0/json-encoder-0-4-4-tar-gz/json-encoder-0.4.4/json_encoder.egg-info/PKG-INFO

1.1021 httpcore-nio 4.4.14
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openpyxl is a Python library to read/write Excel 2010 xlsx/xlsm/files.

It was born from lack of existing library to read/write natively from Python the Office Open XML format.

All kudos to the PHPExcel team as openpyxl was initially based on `PHPExcel` <http://www.phpexcel.net/>.
Mailing List
===============

Official user list can be found on
http://groups.google.com/group/openpyxl-users

Sample code::

    from openpyxl import Workbook
    wb = Workbook()

    # grab the active worksheet
    ws = wb.active

    # Data can be assigned directly to cells
    ws['A1'] = 42

    # Rows can also be appended
    ws.append([1, 2, 3])

    # Python types will automatically be converted
    import datetime
    ws['A2'] = datetime.datetime.now()

    # Save the file
    wb.save("sample.xlsx")

Official documentation
========================

The documentation is at: https://openpyxl.readthedocs.io

* installation methods
* code examples
* instructions for contributing


Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Operating System :: MacOS :: MacOS X
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02110-1301, USA. public DomainDeploymentTableModel(CliGuiContext cliGuiCtx) {

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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/\([^/]*\)/\1.o $@ : /g' > $@; \ [ -s $@ ] || rm -f $@"

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

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

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1.1042 wildfly-clustering-marshalling-spi

23.0.2.Final

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2.0.2

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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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1.1064 wildfly-weld-jpa 23.0.2.Final

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1.1066 openssh 8.4_p1-r4

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- MD5 is now external, in the OpenSSL library
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   table, the facility still operates, and performs whatever part of
   its purpose remains meaningful.

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user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
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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,
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will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
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g getopt.c - my re-implementation of getopt.

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
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----------------------------------------
cpan/Compress-Raw-Bzip2/bzip2-src/README states:
Note that the files bzip2.c, bzip2recover.c, bzlib.c & decompress.c
have been modified to allow them to build with a C++ compiler.
The file bzip2-src/bzip2-cpp.patch contains the patch
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cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_0.pod
cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_1.pod
cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_2.pod
cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_3.pod
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Files:
cpan/File-Fetch/*
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cpan/Module-Loaded/*
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cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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Files:
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dist/Env/*
dist/ExtUtils-Command/*
dist/ExtUtils-Manifest/*
dist/I18N-Collate/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
ext/ODBM_File/*
ext/Opcode/*
ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
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include/GL/wglxext.h :

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https://github.com/piscisaureus/wepoll

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**1.1077 montanaflynn-stats 0.5.0**

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jar/or/codehaus/groovy/runtime/ClassExtender.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/ProcessGroovyMethods.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/ScriptBytecodeAdapter.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/ProcessingUnit.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/tools/javac/JavaStubGenerator.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/tools/shell/util/MessageSource.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/classgen/ClassCompletionVerifier.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/wrappers/FloatWrapper.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/tools/groovydoc/FileSystemResourceManager.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/transform/tailrec/StatementReplacer.groovy
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/classgen/asm/UnaryExpressionHelper.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/RegexSupport.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/metaklass/ReflectionMetaMethod.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/transform/stc/StaticTypeCheckingSupport.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/reflection/v7/GroovyClassValueJava7.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/lang/MissingFieldException.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/lang/ExpandoMetaClass.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/ast/stmt/ThrowStatement.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/ast/AnnotationNode.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/runtime/powerassert/PowerAssertionError.java
* /opt/cola/permits/1139203724_1614459342.08/jar/or/codehaus/groovy/ast/stmt/ThrowStatement.java
* /opt/cola/permits/1139203724_1614459342.08/jar/groovy/swing/binding/JTableProperties.java
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* /opt/cola/permits/1139203724_1614459342.08/jar/groovy/lang/GroovySystem.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/tools/groovydoc/SimpleGroovyAnnotationRef.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/transform/sc/transformers/ConstructorCallTransformer.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/jsr223/ScriptStaticExtensions.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/lang/GrabExclude.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/runtime/wrappers/BooleanWrapper.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/reflection/GroovyClassValuePreJava7.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/jmx/builder/JmxBuilder.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/util/GroovyTestSuite.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/json/private/json/JsonException.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/json/internal/JsonParserCharArray.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/json/JsonDelegate.java
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* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/runtime/callsite/PojoMetaClassGetPropertySite.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/jmh/JmhBuilder.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/util/DelegatingScript.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/text/StreamingTemplateEngine.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/cli/GroovyPosixParser.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/util/AntBuilder.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/util/IndentPrinter.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/tools/groovydoc/SimpleGroovyPackageDoc.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/control/CompilerConfiguration.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/ast/builder/AstBuilderTransformation.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/json/internal/Cache.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/ui/view/Defaults.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/transform/builder/InitializerStrategy.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/tools/shell/commands/LoadCommand.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/classgen/VariableScopeVisitor.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/beans/BindableASTTransformation.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/groovy/lang/Grapes.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1-jar/org/codehaus/groovy/runtime/callsite/CallSiteClassLoader.java
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- /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/lang/SpreadListEvaluatingException.java
- /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/control/MultipleCompilationErrorsException.java
- /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/jmx/builder/JmxBuilderTools.groovy
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* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/control/ConfigurationException.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/swing/factory/WindowFactory.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/tools/xml/DomToGroovy.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/antlr/java/Java2GroovyConverter.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/transform/tailrec/ReturnAdderForClosures.groovy
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* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/json/StringEscapeUtils.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/binding/SwingTimerTriggerBinding.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/beans/ListenerList.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/antlr/treewalker/Visitor.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/runtime/DefaultGroovyStaticMethods.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/runtime/metaklass/MetaMethodIndex.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/swing/binding/JListProperties.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/groovy/transform/stc/SecondParam.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/control/BytecodeProcessor.java
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/tools/shell/PatchedCandidateListCompletionHandler.groovy
* /opt/cola/permits/1139203724_1614459342.08/0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/classgen/ClassGeneratorException.java
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# global transformation to handle @Grab annotation
groovy.grape.GrabAnnotationTransformation

global transformation for AST Builder
org.codehaus.groovy.ast.builder.AstBuilderTransformation

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org.codehaus.groovy.jsr223.GroovyScriptEngineFactory

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jar/groovy/ui/InteractiveShell.properties
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* /opt/cola/permits/1139203724_1614459342.0/groovy-all-2-4-13-sources-1.jar/org/codehaus/groovy/tools/shell/commands/ExitCommand.properties
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groovy
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Gallium code src/gallium/ MIT

Ext headers GL/glext.h Khronos
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include/GL/glxext.h
include/GL/wglext.h :

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its purpose remains meaningful.

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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
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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
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
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Any executables containing that work also fall under Section 6,
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changes were used in the work (which must be distributed under
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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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that the user who changes the contents of definitions files in the
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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* /opt/ws_local/PERMITS_SQL/1069268759_1594600031.25/0/protobuf-java-3-12-2-sources-jar/com/google/protobuf/TextFormatEscaper.java
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* /opt/ws_local/PERMITS_SQL/1069268759_1594600031.25/0/protobuf-java-3-12-2-sources-jar/com/google/protobuf/ExtensionRegistryLite.java
* /opt/ws_local/PERMITS_SQL/1069268759_1594600031.25/0/protobuf-java-3-12-2-sources-jar/com/google/protobuf/TextFormat.java
1.1110 jinja2 2.11.3

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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.3
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Code, https://github.com/pallets/jinja
Description: Jinja

======

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.
Installing
---------

Install and update using `pip`:

.. code-block:: text

    $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
    <ul>
    {% for user in users %}
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
    {% endfor %}
    </ul>
    {% endblock %}

Links
-----

- Website: https://palletsprojects.com/p/jinja/
- Documentation: https://jinja.palletsprojects.com/
- Releases: https://pypi.org/project/Jinja2/
- Code: https://github.com/pallets/jinja
- Issue tracker: https://github.com/pallets/jinja/issues
- Test status: https://dev.azure.com/pallets/jinja/_build
- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="A very fast and expressive template engine."
)
long_description=readme,
classifiers=[
    "Development Status :: 5 - Production/ Stable",
    "Environment :: Web Environment",
    "Intended Audience :: Developers",
    "License :: OSI Approved :: BSD License",
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    "Programming Language :: Python :: 3",
    "Programming Language :: Python :: 3.5",
    "Programming Language :: Python :: 3.6",
    "Programming Language :: Python :: 3.7",
    "Programming Language :: Python :: 3.8",
    "Programming Language :: Python :: Implementation :: CPython",
    "Programming Language :: Python :: Implementation :: PyPy",
    "Topic :: Internet :: WWW/ HTTP :: Dynamic Content",
    "Topic :: Software Development :: Libraries :: Python Modules",
    "Topic :: Text Processing :: Markup :: HTML",
],
packages=find_packages("src"),
package_dir=["": "src"],
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},
)

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* /opt/cola/permits/1160876753_1620411588.74/0/jinja2-2.11.3-tar.gz/Jinja2-2.11.3/setup.py

1.1111 txframework 5.10.6.Final
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1.1112 async-timeout 3.0.1

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  jar/org/wildfly/httpclient/common/WildflyClientOutputStream.java
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  jar/org/wildfly/httpclient/common/ElytronIdentityHandler.java
* /opt/cola/permits/1174807895_1624022741.74/0/wildfly-http-client-common-1-1-5-final-sources-
  jar/org/wildfly/httpclient/common/WildflyHttpContext.java
* /opt/cola/permits/1174807895_1624022741.74/0/wildfly-http-client-common-1-1-5-final-sources-
  jar/org/wildfly/httpclient/common/HostPool.java
* /opt/cola/permits/1174807895_1624022741.74/0/wildfly-http-client-common-1-1-5-final-sources-
  jar/org/wildfly/httpclient/common/HttpClientMessages.java
1.1114 google-uuid 1.1.1

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Paul Borman <borman@google.com>

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Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

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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
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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
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
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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
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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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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.

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23.0.2.Final

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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 libsensors, sensors-detect, sensors and isadump.
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  Original author of sensord.
* Bob Schlaermann
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  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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1.1127 simpleclient-httpserver 0.3.0
1.1128 ws-t11 5.10.6.Final

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1.1129 kerberos 1.18.4-r0

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cmd/krb5/iprop/iprop_hdr.h  
cmd/krb5/kadmin/server/ipropd_svc.c  
cmd/krb5/kproplog/kproplog.c  
cmd/krb5/slave/kropd_rpc.c  
lib/gss_mechs/mech_krb5/et/kdb5_err.c  
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h  
lib/gss_mechs/mech_spnego/mech/spnego_mech.c  
lib/krb5/kadm5/kadm_host_srv_names.c  
lib/krb5/kdb/kdb_convert.c  
lib/krb5/kdb/kdb_hdr.h  
lib/krb5/kdb/kdb_log.c  
lib/krb5/kdb/kdb_log.h  
lib/libgss/g_accept_sec_context.c  
lib/libgss/g_acquire_cred.c  
lib/libgss/g_canon_name.c  
lib/libgss/g_compare_name.c  
lib/libgss/g_context_time.c  
lib/libgss/g_delete_sec_context.c  
lib/libgss/g_dsp_name.c  
lib/libgss/g_dsp_status.c  
lib/libgss/g_dup_name.c  
lib/libgss/g_exp_sec_context.c  
lib/libgss/g_export_name.c  
lib/libgss/g_glue.c  
lib/libgss/g_imp_name.c  
lib/libgss/g_imp_sec_context.c  
lib/libgss/g_init_sec_context.c  
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
```

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**Open Source Used In Branch Migration Tool 1.9  10179**
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/kdb/kdb_log.h
- lib/krb5/error_tables/kdb5_err.et
- kprop/kpropd_rpc.c
- kprop/kproplog.c

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AASF
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A, IAAAC, EAAAE, EAAAF, gBACA, IAAAE, EAAAE, CACA, IAAAC, EAAAr1C, GAAAE, GACAV7D, KAAA6wG, kBACA
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```
(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__) {

});
```

if (that.multiline) result += 'n';
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 && freeExports && typeof module == 'object' && module && module.nodeType && module;

/** Detect free variable `underscore`. */
var underscore = freeModule && freeModule.exports === freeExports;

// Base implementation of `_.keys` which doesn't validate or coerce arguments.
var keys = function keys(O) {
  return O ? Object.keys(O) : [];
};

// Apply a rest parameter to `func`.
var rest = function rest(func, start) {

  return setToString(overRest(func, start, identity), func + '');
};
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```javascript
jQuery.extend = jQuery.fn.extend = function() {
    var options, name, src, copy, copyIsArray,
    deep, target, i; // Only deal with non-null/undefined values
    if ( typeof target === "boolean" ) {
        deep = target; target = this; i = 0; length = arguments.length;
    }
    // Extend the base object
    for ( name in options ) {
        src = target[ name ];
        copy = options[ i++ ];
        if ( ( options = arguments[ i ] ) != null ) {
            if ( deep && copy && ( jQuery.isPlainObject( copy )
                || typeof copy === "array" ) ) {
                copy = copyIsArray ?
                    Array.isArray( copy ) :
                    ( copyIsArray = Array.isArray( copy ) ) ) {
                    copyIsArray = true;
                    copy = target = copy;
                } else if ( copy !== null ) {
                    if ( jQuery.isFunction( target ) ) {
                        if ( copy == null ) {
                            copy = target = arguments[ i++ ];
                        } else if ( i >= length ) {
                            copy = target = arguments[ i++ ];
                        }
                        target = copy = copy( target, i - 1, arguments );
                    } else {
                        target[ name ] = copy;
                    }
                } else {
                    target = target[ name ];
                }
            } else {
                target = copy;
            }
        } else {
            target = src;
        }
    }
    // Extend jQuery itself if only one argument is passed
    Extend jQuery = function( selector, context ) {
        if (typeof selector == "function" && typeof context == "undefined") {
            return jQuery.extend.
        }
    }
```

license

http://jquery.org/license

Date: 2016-08-08

function( window ) {\n
var

	window,
	nlsm,

tNSORt,
	nlsmURL,
	nlsmXML,
	nlsmXMLtokenize,
	nlsmXMLcompile,
	nlsmXMLselect,
	nlsmXMLoutermostContext,
	nlsmXMLsortInput,

\n
Local document

vars

\n
window.

\n
\n

Create key-value caches of limited size

Create key-value caches of limited size
positionals\n * @param {Function} fn\n */\nfunction createPositionalPseudo( fn ) {\n\treturn
markFunction(function( argument ) {\n\t\targument = +argument;\n\t\treturn markFunction(function( seed, matches
) {\n\t\t\tvar j,\n\t\t\t\tmatchIndexes = fn( [], seed.length, argument ),\n\t\t\t\ti = matchIndexes.length;\n\n\t\t\t//
Match elements found at the specified indexes\n\t\t\twhile ( i-- ) {\n\t\t\t\tif ( seed[ (j = matchIndexes[i]) ] )
{\n\t\t\t\t\tseed[j] = !(matches[j] = seed[j]);\n\t\t\t\t}\n\t\t\t}\n\t\t});\n\t});\n}\n\n/**\n * Checks a node for validity as
a Sizzle context\n * @param {Element|Object=} context\n * @returns {Element|Object|Boolean} The input node if
acceptable, otherwise a falsy value\n */\nfunction testContext( context ) {\n\treturn context && typeof
context.getElementsByTagName !== \"undefined\" && context;\n}\n\n// Expose support vars for
convenience\nsupport = Sizzle.support = {};\n\n/**\n * Detects XML nodes\n * @param {Element|Object} elem An
element or a document\n * @returns {Boolean} True iff elem is a non-HTML XML node\n */\nisXML =
Sizzle.isXML = function( elem ) {\n\t// documentElement is verified for cases where it doesn't yet exist\n\t// (such
as loading iframes in IE - #4833)\n\tvar documentElement = elem && (elem.ownerDocument ||
elem).documentElement;\n\treturn documentElement ? documentElement.nodeName !== \"HTML\" :
false;\n};\n\n/**\n * Sets document-related variables once based on the current document\n * @param
{Element|Object} [doc] An element or document object to use to set the document\n * @returns {Object} Returns
the current document\n */\nsetDocument = Sizzle.setDocument = function( node ) {\n\tvar hasCompare,
subWindow,\n\t\tdoc = node ? node.ownerDocument || node : preferredDoc;\n\n\t// Return early if doc is invalid or
already selected\n\tif ( doc === document || doc.nodeType !== 9 || !doc.documentElement ) {\n\t\treturn
document;\n\t}\n\n\t// Update global variables\n\tdocument = doc;\n\tdocElem =
document.documentElement;\n\tdocumentIsHTML = !isXML( document );\n\n\t// Support: IE 9-11, Edge\n\t//
Accessing iframe documents after unload throws \"permission denied\" errors (jQuery #13936)\n\tif ( preferredDoc
!== document &&\n\t\t(subWindow = document.defaultView) && subWindow.top !== subWindow ) {\n\n\t\t//
Support: IE 11, Edge\n\t\tif ( subWindow.addEventListener ) {\n\t\t\tsubWindow.addEventListener( \"unload\",
unloadHandler, false );\n\n\t\t// Support: IE 9 - 10 only\n\t\t} else if ( subWindow.attachEvent )
{\n\t\t\tsubWindow.attachEvent( \"onunload\", unloadHandler );\n\t\t}\n\t}\n\n\t/* Attributes\n\t--------------------------------------------------------------------- */\n\n\t// Support: IE<8\n\t// Verify that getAttribute really returns attributes
and not properties\n\t// (excepting IE8 booleans)\n\tsupport.attributes = assert(function( el ) {\n\t\tel.className =
\"i\";\n\t\treturn !el.getAttribute(\"className\");\n\t});\n\n\t/* getElement(s)By*\n\t--------------------------------------------------------------------- */\n\n\t// Check if getElementsByTagName(\"*\") returns only
elements\n\tsupport.getElementsByTagName = assert(function( el ) {\n\t\tel.appendChild(
document.createComment(\"\") );\n\t\treturn !el.getElementsByTagName(\"*\").length;\n\t});\n\n\t// Support:
IE<9\n\tsupport.getElementsByClassName = rnative.test( document.getElementsByClassName );\n\n\t// Support:
IE<10\n\t// Check if getElementById returns elements by name\n\t// The broken getElementById methods don't pick
up programmatically-set names,\n\t// so use a roundabout getElementsByName test\n\tsupport.getById =
assert(function( el ) {\n\t\tdocElem.appendChild( el ).id = expando;\n\t\treturn !document.getElementsByName ||
!document.getElementsByName( expando ).length;\n\t});\n\n\t// ID filter and find\n\tif ( support.getById )
{\n\t\tExpr.filter[\"ID\"] = function( id ) {\n\t\t\tvar attrId = id.replace( runescape, funescape );\n\t\t\treturn function(
elem ) {\n\t\t\t\treturn elem.getAttribute(\"id\") === attrId;\n\t\t\t};\n\t\t};\n\t\tExpr.find[\"ID\"] = function( id,
context ) {\n\t\t\tif ( typeof context.getElementById !== \"undefined\" && documentIsHTML ) {\n\t\t\t\tvar elem =
context.getElementById( id );\n\t\t\t\treturn elem ? [ elem ] : [];\n\t\t\t}\n\t\t};\n\t} else {\n\t\tExpr.filter[\"ID\"] =
function( id ) {\n\t\t\tvar attrId = id.replace( runescape, funescape );\n\t\t\treturn function( elem ) {\n\t\t\t\tvar node =
typeof elem.getAttributeNode !== \"undefined\" &&\n\t\t\t\t\telem.getAttributeNode(\"id\");\n\t\t\t\treturn node &&
node.value === attrId;\n\t\t\t};\n\t\t};\n\n\t\t// Support: IE 6 - 7 only\n\t\t// getElementById is not reliable as a find
shortcut\n\t\tExpr.find[\"ID\"] = function( id, context ) {\n\t\t\tif ( typeof context.getElementById !== \"undefined\"
&& documentIsHTML ) {\n\t\t\t\tvar node, i, elems,\n\t\t\t\t\telem = context.getElementById( id );\n\n\t\t\t\tif ( elem
) {\n\n\t\t\t\t\t// Verify the id attribute\n\t\t\t\t\tnode = elem.getAttributeNode(\"id\");\n\t\t\t\t\tif ( node &&
node.value === id ) {\n\t\t\t\t\t\treturn [ elem ];\n\t\t\t\t\t}\n\n\t\t\t\t\t// Fall back on
getElementsByName\n\t\t\t\t\telems = context.getElementsByName( id );\n\t\t\t\t\ti = 0;\n\t\t\t\t\twhile ( (elem =

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elems[i++]) ) {\n\t\t\t\t\t\tnode = elem.getAttributeNode(\"id\");\n\t\t\t\t\t\tif ( node && node.value === id )
{\n\t\t\t\t\t\t\treturn [ elem ];\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\treturn [];\n\t\t\t}\n\t\t};\n\t}\n\n\t//
Tag\n\tExpr.find[\"TAG\"] = support.getElementsByTagName ?\n\t\tfunction( tag, context ) {\n\t\t\tif ( typeof
context.getElementsByTagName !== \"undefined\" ) {\n\t\t\t\treturn context.getElementsByTagName( tag
);\n\n\t\t\t// DocumentFragment nodes don't have gEBTN\n\t\t\t} else if ( support.qsa ) {\n\t\t\t\treturn
context.querySelectorAll( tag );\n\t\t\t}\n\t\t} :\n\n\t\tfunction( tag, context ) {\n\t\t\tvar elem,\n\t\t\t\ttmp =
[],\n\t\t\t\ti = 0,\n\t\t\t\t// By happy coincidence, a (broken) gEBTN appears on DocumentFragment nodes
too\n\t\t\t\tresults = context.getElementsByTagName( tag );\n\n\t\t\t// Filter out possible comments\n\t\t\tif ( tag ===
\"*\" ) {\n\t\t\t\twhile ( (elem = results[i++]) ) {\n\t\t\t\t\tif ( elem.nodeType === 1 ) {\n\t\t\t\t\t\ttmp.push( elem
);\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\treturn tmp;\n\t\t\t}\n\t\t\treturn results;\n\t\t};\n\n\t// Class\n\tExpr.find[\"CLASS\"] =
support.getElementsByClassName && function( className, context ) {\n\t\tif ( typeof
context.getElementsByClassName !== \"undefined\" && documentIsHTML ) {\n\t\t\treturn
context.getElementsByClassName( className );\n\t\t}\n\t};\n\n\t/* QSA/matchesSelector\n\t--------------------------------------------------------------------- */\n\n\t// QSA and matchesSelector support\n\n\t// matchesSelector(:active)
reports false when true (IE9/Opera 11.5)\n\trbuggyMatches = [];\n\n\t// qSa(:focus) reports false when true (Chrome
21)\n\t// We allow this because of a bug in IE8/9 that throws an error\n\t// whenever `document.activeElement` is
accessed on an iframe\n\t// So, we allow :focus to pass through QSA all the time to avoid the IE error\n\t// See
https://bugs.jquery.com/ticket/13378\n\trbuggyQSA = [];\n\n\tif ( (support.qsa = rnative.test(
document.querySelectorAll )) ) {\n\t\t// Build QSA regex\n\t\t// Regex strategy adopted from Diego
Perini\n\t\tassert(function( el ) {\n\t\t\t// Select is set to empty string on purpose\n\t\t\t// This is to test IE's treatment
of not explicitly\n\t\t\t// setting a boolean content attribute,\n\t\t\t// since its presence should be enough\n\t\t\t//
https://bugs.jquery.com/ticket/12359\n\t\t\tdocElem.appendChild( el ).innerHTML = \"<a id='\" + expando +
\"'></a>\" +\n\t\t\t\t\"<select id='\" + expando + \"-\\r\\\\' msallowcapture=''>\" +\n\t\t\t\t\"<option
selected=''></option></select>\";\n\n\t\t\t// Support: IE8, Opera 11-12.16\n\t\t\t// Nothing should be selected when
empty strings follow ^= or $= or *=\n\t\t\t// The test attribute must be unknown in Opera but \"safe\" for
WinRT\n\t\t\t// https://msdn.microsoft.com/en-us/library/ie/hh465388.aspx#attribute_section\n\t\t\tif (
el.querySelectorAll(\"[msallowcapture^='']\").length ) {\n\t\t\t\trbuggyQSA.push( \"[*^$]=\" + whitespace +
\"*(?:''|\\\"\\\")\" );\n\t\t\t}\n\n\t\t\t// Support: IE8\n\t\t\t// Boolean attributes and \"value\" are not treated
correctly\n\t\t\tif ( !el.querySelectorAll(\"[selected]\").length ) {\n\t\t\t\trbuggyQSA.push( \"\\\\[\" + whitespace +
\"*(?:value|\" + booleans + \")\" );\n\t\t\t}\n\n\t\t\t// Support: Chrome<29, Android<4.4, Safari<7.0+, iOS<7.0+,
PhantomJS<1.9.8+\n\t\t\tif ( !el.querySelectorAll( \"[id~=\" + expando + \"-]\" ).length )
{\n\t\t\t\trbuggyQSA.push(\"~=\");\n\t\t\t}\n\n\t\t\t// Webkit/Opera - :checked should return selected option
elements\n\t\t\t// http://www.w3.org/TR/2011/REC-css3-selectors-20110929/#checked\n\t\t\t// IE8 throws error here
and will not see later tests\n\t\t\tif ( !el.querySelectorAll(\":checked\").length )
{\n\t\t\t\trbuggyQSA.push(\":checked\");\n\t\t\t}\n\n\t\t\t// Support: Safari 8+, iOS 8+\n\t\t\t//
https://bugs.webkit.org/show_bug.cgi?id=136851\n\t\t\t// In-page `selector#id sibling-combinator selector`
fails\n\t\t\tif ( !el.querySelectorAll( \"a#\" + expando + \"+*\" ).length )
{\n\t\t\t\trbuggyQSA.push(\".#.+[+~]\");\n\t\t\t}\n\t\t});\n\n\t\tassert(function( el ) {\n\t\t\tel.innerHTML = \"<a
href='' disabled='disabled'></a>\" +\n\t\t\t\t\"<select disabled='disabled'><option/></select>\";\n\n\t\t\t// Support:
Windows 8 Native Apps\n\t\t\t// The type and name attributes are restricted during .innerHTML
assignment\n\t\t\tvar input = document.createElement(\"input\");\n\t\t\tinput.setAttribute( \"type\", \"hidden\"
);\n\t\t\tel.appendChild( input ).setAttribute( \"name\", \"D\" );\n\n\t\t\t// Support: IE8\n\t\t\t// Enforce casesensitivity of name attribute\n\t\t\tif ( el.querySelectorAll(\"[name=d]\").length ) {\n\t\t\t\trbuggyQSA.push(
\"name\" + whitespace + \"*[*^$|!~]?=\" );\n\t\t\t}\n\n\t\t\t// FF 3.5 - :enabled/:disabled and hidden elements (hidden
elements are still enabled)\n\t\t\t// IE8 throws error here and will not see later tests\n\t\t\tif (
el.querySelectorAll(\":enabled\").length !== 2 ) {\n\t\t\t\trbuggyQSA.push( \":enabled\", \":disabled\"
);\n\t\t\t}\n\n\t\t\t// Support: IE9-11+\n\t\t\t// IE's :disabled selector does not pick up the children of disabled
fieldsets\n\t\t\tdocElem.appendChild( el ).disabled = true;\n\t\t\tif ( el.querySelectorAll(\":disabled\").length !== 2 )

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![Image content]

---

```javascript
// Document order sorting

/* contains() */
contains = hasCompare || rnative.test( docElem.contains ) ?
        function( a, b ) {
            return a.ownerDocument === b.ownerDocument ?
                0 : a.compareDocumentPosition( b ) || b.compareDocumentPosition( a )
        } :
        { // Old IE contents()
            return a.compareDocumentPosition( b ) || b.compareDocumentPosition( a )
        };

/* siblingCheck() */

```

```javascript
// Node exists

/* siblingCheck() */

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```
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```javascript
// xml :nth-child(...)
// or :nth-last-child(...) or :nth(-last)?-of-

nodeIndex = cache[0] === dirruns && cache[1];
diff = node.uniqueID ||
    (outerCache[node.uniqueID] = {});

cache = uniqueCache[type] ||
    (outerCache[node.uniqueID] ||
        elem.parentNode); 

if (useCache) {
    // ...in a gzip-friendly way
    node = parent;
    outerCache = node[expando] || (node[expando] = {});
}
```

---

Support: IE <9 only

```
// Seek `elem` from a previously-cached index
// ...in a gzip-friendly way

node = parent; 
outerCache = node[expando] || (node[expando] = {});
```

Support: IE <9 only

```
// Defend against cloned atproperties (jQuery gh-1709)

outerCache = parent.__jQuery_UniqueCache = 
    (parent.__jQuery_UniqueCache || [])[parent.nodeName] = cache[0] ||
    (node[expando] = {}); 
```

---

Support: IE <9 only

```
// Defend against cloned atproperties (jQuery gh-1709)

outerCache = parent.__jQuery_UniqueCache = outerCache[node.uniqueID] ||
    (node[expando] = {});
```

---

Support: IE <9 only

```
// Defend against cloned atproperties (jQuery gh-1709)

outerCache = outerCache[node.uniqueID] = (1); 
uniqueCache = uniqueCache[type] = (1);
```

---

Support: IE <9 only

```
// Defend against cloned atproperties (jQuery gh-1709)

outerCache = outerCache[node.uniqueID] = (1); 
uniqueCache = uniqueCache[type] = (1);
```

---

Support: IE <9 only

```
// Defend against cloned atproperties (jQuery gh-1709)

outerCache = outerCache[node.uniqueID] = (1); 
uniqueCache = uniqueCache[type] = (1);
```
the count of elements visited above, and adding it to `matchedCount` makes the latter nonnegative. Apply set filters to unmatched elements. NOTE: This can be skipped if there are no unmatched elements (i.e., `matchedCount` equals `i`), unless we didn't visit any 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 numeric zero. Generate a function of recursive functions that can be used to check each element. Add matches to results.

Multiple successful matchers stipulate sorting. Save selector and tokenization.

A low-level selection function that works with Sizzle's compiled selector function built with Sizzle.compile. A selector or a pre-compiled selector function with context.

Try to minimize operations if there is only one selector in the list and no seed.

The latter of which guarantees us context.

Reduce context if the leading compound selector is an ID.

Cache results.

If seed & & tokenized.

Save selector and set.

Cache the compiled function.

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 numeric zero. Generate a function of recursive functions that can be used to check each element. Add matches to results.

Multiple successful matchers stipulate sorting. Save selector and tokenization.
...
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Open Source Used In Branch Migration Tool 1.9 10360
Open Source Used In Branch Migration Tool 1.9

```
jQuery.Deferred.exceptionHook = function( error, development,
// warn about them ASAP rather than swallowing them by default.
var rerrorNames =
		}

// These usually indicate a programmer mistake during
resolveValues[ i ].then ) ) {

// Single- and
this;
					resolveValues[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;

factory
		updateFunc = function( i ) {
			return function( value ) {
				resolveContexts[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;

```

```
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A counter to track how many items to wait for before the DOM is ready to be used. Set to true once it occurs. Note: This is a global

stack ) { 

// The deferred used on DOM ready\n readyList = jQuery.Deferred();\n jQuery.fn.ready = function( fn ) { \n
// Support: IE 8 - 9 only\n// Console exists when window console &\n& window.console.warn &\n& error &\n& rerrorNames.test( error.name ) )

\n\n// The deferred used on DOM ready\n\n// Wrap jQuery.readyException in a function so that the lookup\n// happens at the time of error handling instead of
callback\n/\n\n// registration.\n\n// Catch exceptions that were thrown this\n\n// jQuery.extend( { \n
// Is the DOM ready to be used? Set to true once it occurs. Note: Ready: false,\n\nA counter to track how many items to wait for before the DOM is ready to be used. See #6781.\n
// Handle when the DOM is ready\n\n// Set to true once it occurs. Note: Ready: false,\n\n\n// Sets many values\n\n// Sets one value\n\n// Gets\n\n// Accepts only:\n
// Node.ELEMENT_NODE\n// - Node.DOCUMENT_NODE\n// - Object\n// - Any\n// \n\n\n// Multifunctional method to get and set values of a collection\n// The value/s can optionally be executed if it's a function\n\n// Used by camelCase as callback to replace()\n\n// camelCase as callback to replace()
Open Source Used In Branch Migration Tool 1.9

```javascript
jQuery.extend( {
    hasData: function( elem ) {
        return dataPriv.hasData( elem );
    },
    data: function( elem, name, data ) {
        return undefined;
    },
    remove: function( owner, key ) {
        var i,
            cache = owner[this.expando];

        if ( cache === undefined ) {
            return;
        }
        if ( key !== undefined ) {
            return the expected data based on which path was taken[*] +
            return value !== undefined ? value : undefined instead
            return value
        }
    },
    get: function( owner, key ) {
        var
```

The text appears to be a mix of JavaScript code and English comments, discussing the implementation details of an object that manages data associated with DOM elements. The code snippet includes methods for retrieving and setting data, as well as logic for handling the storage of data under various conditions. The comments are in English, providing explanations for the code blocks.

The text is difficult to parse due to the nature of the code and comments. The code seems to be part of a library that deals with data management, possibly for a migration tool. The comments are attempting to explain the logic behind certain operations, such as storing and retrieving data, under different conditions.

The context suggests that this library is designed to handle data in a way that is compatible with previous versions (1.9.x) of the same framework, while also ensuring that the new implementation is maintainable and compatible with modern web standards.

Overall, the document is a technical specification or documentation for a piece of software, focusing on the implementation details and the reasoning behind the design choices made by the developers.
dataPriv methods, these can be deprecated.

```
dataPriv.methods = function( elem, name, data ) {
  /* Return the data priv object for the element. */
  return elem.dataPriv[ name ];
}
```

```
jQuery.fn.extend( {
  data: function( key, value ) {
    var i, name, data,
        elem = this[ 0 ];
    if ( elem && elem.nodeType === 1 ) {
      data = elem.dataPriv;
      if ( data ) {
        return data[ name ];
      }
    }
    return access( this, null, null, value, arguments.length > 1, null, true )
  }
}
```
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Android <=4.1 only

// Older WebKit doesn't clone checked state correctly in fragments

support.checkClone = ["checked", "checked"];

input.setAttribute("name", "t");

div.appendChild(input);

// Support: Windows Web Apps (WWA)
// `name` must use .setAttribute for WWA (#14901)
input.setAttribute("type", "radio");

4.3 only

// Check state lost if the name is set (#11217)
// Support: Windows Web Apps (WWA)
// `name`

document.createElement("div") ),

tmp = document.createElement("input");

// Support: Android 4.0 -

function() {

var fragment = document.createDocumentFragment(),

nodes = [ ];

i = 0;

while ( ( elem = nodes[ i++ ] ) ) {

	tmp.textContent = "";

	if ( elem.ownerDocument, elem );

	tmp = tmp.appendChild( elem );

	// Append to fragment

tmp = getAll( fragment.appendChild( elem ),

ignored ) {

				ignored.push( elem );

			}

			}

			}

			return fragment;
}


("script" );

// Preserve script evaluation history

// Support: Android <=4.0.3 only

// Check state lost if the name is set (#11217) &

// Support: Windows Web Apps (WWA)""

// and 'type' must use .setAttribute for WWA (#14901)

//input.setAttribute( "type", "radio" );

//input.setAttribute( "checked", "checked" );

//input.setAttribute( "name", "t" );

//displayedChild(input);

Support: Android <=4.1 only

// Older WebKit doesn't clone checked state correctly in fragments

//support.checkClone = ["checked", "checked"];

input.setAttribute("name", "t");

div.appendChild(input);

// Support: Windows Web Apps (WWA)
// `name` must use .setAttribute for WWA (#14901)
input.setAttribute("type", "radio");

4.3 only

// Check state lost if the name is set (#11217)
// Support: Windows Web Apps (WWA)
// `name`

var fragment = document.createDocumentFragment(),

//document.createElement("div") ,

input = document.createElement("input");

// Support: Android 4.0 -

function() {

var fragment = document.createDocumentFragment(),

//document.createElement("div")

//Support: Android <=4.0.3 only

//Check state lost if the name is set (#11217) &

//Support: Windows Web Apps (WWA)""

//and 'type' must use .setAttribute for WWA (#14901)

//input.setAttribute( "type", "radio" );

//input.setAttribute( "checked", "checked" );

//input.setAttribute( "name", "t" );

//displayedChild(input);

Support: Android <=4.1 only

// Older WebKit doesn't clone checked state correctly in fragments

//support.checkClone = ["checked", "checked"];

input.setAttribute("name", "t");

div.appendChild(input);
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```
jQuery.event.special.postDispatch.call( this, event );

return event.result;

jQuery.event.handlers = function( event, namespace, handler, elem, type, namespaces, origType, handlerQueue, origCount, handlers, type, origCount, tmp, removals, selector, mappedTypes ) {

if ( special.postDispatch && special.postDispatch.call( this, event ) === false ) {

return event.result;

var map = ( event.result = ret ) === undefined ? ( event.result = ret ) : false;

jQuery.event.remove( elem, type, elemData.handle );
}

jQuery.event.remove( elem, type, elemData.handle );
}
```

``` 
handlers ) {\n\t\tvar i, handleObj, sel, matchedHandlers, matchedSelectors,\n\t\t\thandlerQueue =
[],\n\t\t\tdelegateCount = handlers.delegateCount,\n\t\t\tcur = event.target;\n\n\t\t// Find delegate handlers\n\t\tif (
delegateCount &&\n\n\t\t\t// Support: IE <=9\n\t\t\t// Black-hole SVG <use> instance trees (trac13180)\n\t\t\tcur.nodeType &&\n\n\t\t\t// Support: Firefox <=42\n\t\t\t// Suppress spec-violating clicks indicating a
non-primary pointer button (trac-3861)\n\t\t\t// https://www.w3.org/TR/DOM-Level-3-Events/#event-typeclick\n\t\t\t// Support: IE 11 only\n\t\t\t// ...but not arrow key \"clicks\" of radio inputs, which can have `button` -1
(gh-2343)\n\t\t\t!( event.type === \"click\" && event.button >= 1 ) ) {\n\n\t\t\tfor ( ; cur !== this; cur =
cur.parentNode || this ) {\n\n\t\t\t\t// Don't check non-elements (#13208)\n\t\t\t\t// Don't process clicks on disabled
elements (#6911, #8165, #11382, #11764)\n\t\t\t\tif ( cur.nodeType === 1 && !( event.type === \"click\" &&
cur.disabled === true ) ) {\n\t\t\t\t\tmatchedHandlers = [];\n\t\t\t\t\tmatchedSelectors = {};\n\t\t\t\t\tfor ( i = 0; i <
delegateCount; i++ ) {\n\t\t\t\t\t\thandleObj = handlers[ i ];\n\n\t\t\t\t\t\t// Don't conflict with Object.prototype
properties (#13203)\n\t\t\t\t\t\tsel = handleObj.selector + \" \";\n\n\t\t\t\t\t\tif ( matchedSelectors[ sel ] === undefined
) {\n\t\t\t\t\t\t\tmatchedSelectors[ sel ] = handleObj.needsContext ?\n\t\t\t\t\t\t\t\tjQuery( sel, this ).index( cur ) > -1
:\n\t\t\t\t\t\t\t\tjQuery.find( sel, this, null, [ cur ] ).length;\n\t\t\t\t\t\t}\n\t\t\t\t\t\tif ( matchedSelectors[ sel ] )
{\n\t\t\t\t\t\t\tmatchedHandlers.push( handleObj );\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tif ( matchedHandlers.length )
{\n\t\t\t\t\t\thandlerQueue.push( { elem: cur, handlers: matchedHandlers } );\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\t//
Add the remaining (directly-bound) handlers\n\t\tcur = this;\n\t\tif ( delegateCount < handlers.length )
{\n\t\t\thandlerQueue.push( { elem: cur, handlers: handlers.slice( delegateCount ) } );\n\t\t}\n\n\t\treturn
handlerQueue;\n\t},\n\n\taddProp: function( name, hook ) {\n\t\tObject.defineProperty( jQuery.Event.prototype,
name, {\n\t\t\tenumerable: true,\n\t\t\tconfigurable: true,\n\n\t\t\tget: isFunction( hook ) ?\n\t\t\t\tfunction()
{\n\t\t\t\t\tif ( this.originalEvent ) {\n\t\t\t\t\t\t\treturn hook( this.originalEvent );\n\t\t\t\t\t}\n\t\t\t\t}
:\n\t\t\t\tfunction() {\n\t\t\t\t\tif ( this.originalEvent ) {\n\t\t\t\t\t\t\treturn this.originalEvent[ name
];\n\t\t\t\t\t}\n\t\t\t\t},\n\n\t\t\tset: function( value ) {\n\t\t\t\tObject.defineProperty( this, name, {\n\t\t\t\t\tenumerable:
true,\n\t\t\t\t\tconfigurable: true,\n\t\t\t\t\twritable: true,\n\t\t\t\t\tvalue: value\n\t\t\t\t} );\n\t\t\t}\n\t\t} );\n\t},\n\n\tfix:
function( originalEvent ) {\n\t\treturn originalEvent[ jQuery.expando ] ?\n\t\t\toriginalEvent :\n\t\t\tnew
jQuery.Event( originalEvent );\n\t},\n\n\tspecial: {\n\t\tload: {\n\n\t\t\t// Prevent triggered image.load events from
bubbling to window.load\n\t\t\tnoBubble: true\n\t\t},\n\t\tfocus: {\n\n\t\t\t// Fire native event if possible so blur/focus
sequence is correct\n\t\t\ttrigger: function() {\n\t\t\t\tif ( this !== safeActiveElement() && this.focus )
{\n\t\t\t\t\tthis.focus();\n\t\t\t\t\treturn false;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdelegateType: \"focusin\"\n\t\t},\n\t\tblur:
{\n\t\t\ttrigger: function() {\n\t\t\t\tif ( this === safeActiveElement() && this.blur )
{\n\t\t\t\t\tthis.blur();\n\t\t\t\t\treturn false;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdelegateType: \"focusout\"\n\t\t},\n\t\tclick:
{\n\n\t\t\t// For checkbox, fire native event so checked state will be right\n\t\t\ttrigger: function() {\n\t\t\t\tif (
this.type === \"checkbox\" && this.click && nodeName( this, \"input\" ) ) {\n\t\t\t\t\tthis.click();\n\t\t\t\t\treturn
false;\n\t\t\t\t}\n\t\t\t},\n\n\t\t\t// For cross-browser consistency, don't fire native .click() on links\n\t\t\t_default:
function( event ) {\n\t\t\t\treturn nodeName( event.target, \"a\" );\n\t\t\t}\n\t\t},\n\n\t\tbeforeunload:
{\n\t\t\tpostDispatch: function( event ) {\n\n\t\t\t\t// Support: Firefox 20+\n\t\t\t\t// Firefox doesn't alert if the
returnValue field is not set.\n\t\t\t\tif ( event.result !== undefined && event.originalEvent )
{\n\t\t\t\t\tevent.originalEvent.returnValue = event.result;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t}\n};\n\njQuery.removeEvent =
function( elem, type, handle ) {\n\n\t// This \"if\" is needed for plain objects\n\tif ( elem.removeEventListener )
{\n\t\telem.removeEventListener( type, handle );\n\t}\n};\n\njQuery.Event = function( src, props ) {\n\n\t// Allow
instantiation without the 'new' keyword\n\tif ( !( this instanceof jQuery.Event ) ) {\n\t\treturn new jQuery.Event( src,
props );\n\t}\n\n\t// Event object\n\tif ( src && src.type ) {\n\t\tthis.originalEvent = src;\n\t\tthis.type =
src.type;\n\n\t\t// Events bubbling up the document may have been marked as prevented\n\t\t// by a handler lower
down the tree; reflect the correct value.\n\t\tthis.isDefaultPrevented = src.defaultPrevented
||\n\t\t\t\tsrc.defaultPrevented === undefined &&\n\n\t\t\t\t// Support: Android <=2.3 only\n\t\t\t\tsrc.returnValue
=== false ?\n\t\t\treturnTrue :\n\t\t\treturnFalse;\n\n\t\t// Create target properties\n\t\t// Support: Safari <=6 - 7
only\n\t\t// Target should not be a text node (#504, #13143)\n\t\tthis.target = ( src.target && src.target.nodeType
=== 3 ) ?\n\t\t\tsrc.target.parentNode :\n\t\t\tsrc.target;\n\n\t\tthis.currentTarget =

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src.currentTarget;\n\t\tthis.relatedTarget = src.relatedTarget;\n\n\t// Event type\n\t} else {\n\t\tthis.type =
src;\n\t}\n\n\t// Put explicitly provided properties onto the event object\n\tif ( props ) {\n\t\tjQuery.extend( this,
props );\n\t}\n\n\t// Create a timestamp if incoming event doesn't have one\n\tthis.timeStamp = src &&
src.timeStamp || Date.now();\n\n\t// Mark it as fixed\n\tthis[ jQuery.expando ] = true;\n};\n\n// jQuery.Event is based
on DOM3 Events as specified by the ECMAScript Language Binding\n// https://www.w3.org/TR/2003/WD-DOMLevel-3-Events-20030331/ecma-script-binding.html\njQuery.Event.prototype = {\n\tconstructor:
jQuery.Event,\n\tisDefaultPrevented: returnFalse,\n\tisPropagationStopped:
returnFalse,\n\tisImmediatePropagationStopped: returnFalse,\n\tisSimulated: false,\n\n\tpreventDefault: function()
{\n\t\tvar e = this.originalEvent;\n\n\t\tthis.isDefaultPrevented = returnTrue;\n\n\t\tif ( e && !this.isSimulated )
{\n\t\t\te.preventDefault();\n\t\t}\n\t},\n\tstopPropagation: function() {\n\t\tvar e =
this.originalEvent;\n\n\t\tthis.isPropagationStopped = returnTrue;\n\n\t\tif ( e && !this.isSimulated )
{\n\t\t\te.stopPropagation();\n\t\t}\n\t},\n\tstopImmediatePropagation: function() {\n\t\tvar e =
this.originalEvent;\n\n\t\tthis.isImmediatePropagationStopped = returnTrue;\n\n\t\tif ( e && !this.isSimulated )
{\n\t\t\te.stopImmediatePropagation();\n\t\t}\n\n\t\tthis.stopPropagation();\n\t}\n};\n\n// Includes all common event
props including KeyEvent and MouseEvent specific props\njQuery.each( {\n\taltKey: true,\n\tbubbles:
true,\n\tcancelable: true,\n\tchangedTouches: true,\n\tctrlKey: true,\n\tdetail: true,\n\teventPhase: true,\n\tmetaKey:
true,\n\tpageX: true,\n\tpageY: true,\n\tshiftKey: true,\n\tview: true,\n\t\"char\": true,\n\tcharCode: true,\n\tkey:
true,\n\tkeyCode: true,\n\tbutton: true,\n\tbuttons: true,\n\tclientX: true,\n\tclientY: true,\n\toffsetX: true,\n\toffsetY:
true,\n\tpointerId: true,\n\tpointerType: true,\n\tscreenX: true,\n\tscreenY: true,\n\ttargetTouches: true,\n\ttoElement:
true,\n\ttouches: true,\n\n\twhich: function( event ) {\n\t\tvar button = event.button;\n\n\t\t// Add which for key
events\n\t\tif ( event.which == null && rkeyEvent.test( event.type ) ) {\n\t\t\treturn event.charCode != null ?
event.charCode : event.keyCode;\n\t\t}\n\n\t\t// Add which for click: 1 === left; 2 === middle; 3 === right\n\t\tif (
!event.which && button !== undefined && rmouseEvent.test( event.type ) ) {\n\t\t\tif ( button & 1 ) {\n\t\t\t\treturn
1;\n\t\t\t}\n\n\t\t\tif ( button & 2 ) {\n\t\t\t\treturn 3;\n\t\t\t}\n\n\t\t\tif ( button & 4 ) {\n\t\t\t\treturn
2;\n\t\t\t}\n\n\t\t\treturn 0;\n\t\t}\n\n\t\treturn event.which;\n\t}\n}, jQuery.event.addProp );\n\n// Create
mouseenter/leave events using mouseover/out and event-time checks\n// so that event delegation works in
jQuery.\n// Do the same for pointerenter/pointerleave and pointerover/pointerout\n//\n// Support: Safari 7 only\n//
Safari sends mouseenter too often; see:\n// https://bugs.chromium.org/p/chromium/issues/detail?id=470258\n// for
the description of the bug (it existed in older Chrome versions as well).\njQuery.each( {\n\tmouseenter:
\"mouseover\",\n\tmouseleave: \"mouseout\",\n\tpointerenter: \"pointerover\",\n\tpointerleave: \"pointerout\"\n},
function( orig, fix ) {\n\tjQuery.event.special[ orig ] = {\n\t\tdelegateType: fix,\n\t\tbindType: fix,\n\n\t\thandle:
function( event ) {\n\t\t\tvar ret,\n\t\t\t\ttarget = this,\n\t\t\t\trelated = event.relatedTarget,\n\t\t\t\thandleObj =
event.handleObj;\n\n\t\t\t// For mouseenter/leave call the handler if related is outside the target.\n\t\t\t// NB: No
relatedTarget if the mouse left/entered the browser window\n\t\t\tif ( !related || ( related !== target &&
!jQuery.contains( target, related ) ) ) {\n\t\t\t\tevent.type = handleObj.origType;\n\t\t\t\tret =
handleObj.handler.apply( this, arguments );\n\t\t\t\tevent.type = fix;\n\t\t\t}\n\t\t\treturn ret;\n\t\t}\n\t};\n}
);\n\njQuery.fn.extend( {\n\n\ton: function( types, selector, data, fn ) {\n\t\treturn on( this, types, selector, data, fn
);\n\t},\n\tone: function( types, selector, data, fn ) {\n\t\treturn on( this, types, selector, data, fn, 1 );\n\t},\n\toff:
function( types, selector, fn ) {\n\t\tvar handleObj, type;\n\t\tif ( types && types.preventDefault &&
types.handleObj ) {\n\n\t\t\t// ( event ) dispatched jQuery.Event\n\t\t\thandleObj = types.handleObj;\n\t\t\tjQuery(
types.delegateTarget ).off(\n\t\t\t\thandleObj.namespace ?\n\t\t\t\t\thandleObj.origType + \".\" +
handleObj.namespace
:\n\t\t\t\t\thandleObj.origType,\n\t\t\t\thandleObj.selector,\n\t\t\t\thandleObj.handler\n\t\t\t);\n\t\t\treturn
this;\n\t\t}\n\t\tif ( typeof types === \"object\" ) {\n\n\t\t\t// ( types-object [, selector] )\n\t\t\tfor ( type in types )
{\n\t\t\t\tthis.off( type, selector, types[ type ] );\n\t\t\t}\n\t\t\treturn this;\n\t\t}\n\t\tif ( selector === false || typeof
selector === \"function\" ) {\n\n\t\t\t// ( types [, fn] )\n\t\t\tfn = selector;\n\t\t\tselector = undefined;\n\t\t}\n\t\tif ( fn
=== false ) {\n\t\t\tfn = returnFalse;\n\t\t}\n\t\treturn this.each( function() {\n\t\t\tjQuery.event.remove( this, types,
fn, selector );\n\t\t} );\n\t}\n} );\n\n\nvar\n\n\t/* eslint-disable max-len */\n\n\t// See

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var elem = this[0] || {}, i = 0, l = this.length;

if (value === undefined && elem.nodeType === 1) {
    return elem.innerHTML;
}

// See if we can take a shortcut and just use innerHTML
if (typeof value === "string" && !rnoInnerhtml.test(value) && !wrapMap[(rtagName.exec(value) || ["", "]")[1].toLowerCase()]) {
    value = jQuery.htmlPrefilter(value);
    try {
        for (i = 0; i < l; i++) {
            elem = this[i] || {};
            elem.nodeType === 1 && jQuery.cleanData(getAll(elem, false));
            elem.innerHTML = value;
        }
    } catch (e) {}

    if (elem) {
        this.empty().append(value);
    }
}

replaceWith: function() {
    var ignored = [];

    return domManip(this, arguments, function(elem) {
        var parent = this.parentNode;
        if (jQuery.inArray(this, ignored) < 0) {
            jQuery.cleanData(getAll(this));
            if (parent) {
                parent.replaceChild(elem, this);
            }
        }
    }, ignored);
}
}

jQuery.extend({
    appendTo: "append",
    prependTo: "prepend",
    insertBefore: "before",
    insertAfter: "after",
    replaceAll: "replaceWith"
}, function(name, original) {
    jQuery.fn[name] = function(selector) {
        var elems, ret = [], insert = jQuery(selector), last = insert.length - 1, i = 0;

        for (; i <= last; i++) {
            elems = i === last ? this : this.clone(true);
            insert[i][original](elems);

            push.apply(ret, elems.get());
        }

        return this.pushStack(ret);
    }
});
var getStyles = function(elem) {
    var view = elem.ownerDocument.defaultView;

    if (!view || !view.opener) {
        view = window;
    }

    return view.getComputedStyle(elem);
}

var rboxStyle = new RegExp(cssExpand.join("|"), "i");

( function() {
    function computeStyleTests() {
        if (!div) {
            return;
        }

        container.style.cssText = "position:absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0";
        div.style.cssText = "position:relative;display:block;box-sizing:border-box;overflow:scroll;margin:auto;border:1px;padding:1px;" + "margin-top:1px;padding:0;border:0;" + "width:60px;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = ".position:relative;display:block;box-sizing:border-box;overflow:scroll;" + "margin:auto;border:1px;padding:1px;" + "width:60%;top:1%;" + "contentElement.appendChild(container).appendChild(div);div.styleposition="absolute;left:-11111px;width:60px;" + "margin-top:1px;padding:0;border:0;" + "div.style.cssText = "}
boxSizingReliableVal;\n\t\t},\n\t\tpixelBoxStyles: function() {\n\t\t\tcomputeStyleTests();\n\t\t\treturn
pixelBoxStylesVal;\n\t\t},\n\t\tpixelPosition: function() {\n\t\t\tcomputeStyleTests();\n\t\t\treturn
pixelPositionVal;\n\t\t},\n\t\treliableMarginLeft: function() {\n\t\t\tcomputeStyleTests();\n\t\t\treturn
reliableMarginLeftVal;\n\t\t},\n\t\tscrollboxSize: function() {\n\t\t\tcomputeStyleTests();\n\t\t\treturn
scrollboxSizeVal;\n\t\t}\n\t} );\n} )();\n\n\nfunction curCSS( elem, name, computed ) {\n\tvar width, minWidth,
maxWidth, ret,\n\n\t\t// Support: Firefox 51+\n\t\t// Retrieving style before computed somehow\n\t\t// fixes an issue
with getting wrong values\n\t\t// on detached elements\n\t\tstyle = elem.style;\n\n\tcomputed = computed ||
getStyles( elem );\n\n\t// getPropertyValue is needed for:\n\t// .css('filter') (IE 9 only, #12537)\n\t// .css('-customProperty) (#3144)\n\tif ( computed ) {\n\t\tret = computed.getPropertyValue( name ) || computed[ name
];\n\n\t\tif ( ret === \"\" && !jQuery.contains( elem.ownerDocument, elem ) ) {\n\t\t\tret = jQuery.style( elem, name
);\n\t\t}\n\n\t\t// A tribute to the \"awesome hack by Dean Edwards\"\n\t\t// Android Browser returns percentage for
some values,\n\t\t// but width seems to be reliably pixels.\n\t\t// This is against the CSSOM draft spec:\n\t\t//
https://drafts.csswg.org/cssom/#resolved-values\n\t\tif ( !support.pixelBoxStyles() && rnumnonpx.test( ret ) &&
rboxStyle.test( name ) ) {\n\n\t\t\t// Remember the original values\n\t\t\twidth = style.width;\n\t\t\tminWidth =
style.minWidth;\n\t\t\tmaxWidth = style.maxWidth;\n\n\t\t\t// Put in the new values to get a computed value
out\n\t\t\tstyle.minWidth = style.maxWidth = style.width = ret;\n\t\t\tret = computed.width;\n\n\t\t\t// Revert the
changed values\n\t\t\tstyle.width = width;\n\t\t\tstyle.minWidth = minWidth;\n\t\t\tstyle.maxWidth =
maxWidth;\n\t\t}\n\t}\n\n\treturn ret !== undefined ?\n\n\t\t// Support: IE <=9 - 11 only\n\t\t// IE returns zIndex
value as an integer.\n\t\tret + \"\" :\n\t\tret;\n}\n\n\nfunction addGetHookIf( conditionFn, hookFn ) {\n\n\t// Define
the hook, we'll check on the first run if it's really needed.\n\treturn {\n\t\tget: function() {\n\t\t\tif ( conditionFn() )
{\n\n\t\t\t\t// Hook not needed (or it's not possible to use it due\n\t\t\t\t// to missing dependency), remove
it.\n\t\t\t\tdelete this.get;\n\t\t\t\treturn;\n\t\t\t}\n\n\t\t\t// Hook needed; redefine it so that the support test is not
executed again.\n\t\t\treturn ( this.get = hookFn ).apply( this, arguments );\n\t\t}\n\t};\n}\n\n\nvar\n\n\t// Swappable
if display is none or starts with table\n\t// except \"table\", \"table-cell\", or \"table-caption\"\n\t// See here for display
values: https://developer.mozilla.org/en-US/docs/CSS/display\n\trdisplayswap = /^(none|table(?!c[ea]).+)/,\n\trcustomProp = /^--/,\n\tcssShow = { position: \"absolute\", visibility: \"hidden\", display: \"block\"
},\n\tcssNormalTransform = {\n\t\tletterSpacing: \"0\",\n\t\tfontWeight: \"400\"\n\t},\n\n\tcssPrefixes = [ \"Webkit\",
\"Moz\", \"ms\" ],\n\temptyStyle = document.createElement( \"div\" ).style;\n\n// Return a css property mapped to a
potentially vendor prefixed property\nfunction vendorPropName( name ) {\n\n\t// Shortcut for names that are not
vendor prefixed\n\tif ( name in emptyStyle ) {\n\t\treturn name;\n\t}\n\n\t// Check for vendor prefixed names\n\tvar
capName = name[ 0 ].toUpperCase() + name.slice( 1 ),\n\t\ti = cssPrefixes.length;\n\n\twhile ( i-- ) {\n\t\tname =
cssPrefixes[ i ] + capName;\n\t\tif ( name in emptyStyle ) {\n\t\t\treturn name;\n\t\t}\n\t}\n}\n\n// Return a property
mapped along what jQuery.cssProps suggests or to\n// a vendor prefixed property.\nfunction finalPropName( name )
{\n\tvar ret = jQuery.cssProps[ name ];\n\tif ( !ret ) {\n\t\tret = jQuery.cssProps[ name ] = vendorPropName( name )
|| name;\n\t}\n\treturn ret;\n}\n\nfunction setPositiveNumber( elem, value, subtract ) {\n\n\t// Any relative (+/-)
values have already been\n\t// normalized at this point\n\tvar matches = rcssNum.exec( value );\n\treturn matches
?\n\n\t\t// Guard against undefined \"subtract\", e.g., when used as in cssHooks\n\t\tMath.max( 0, matches[ 2 ] - (
subtract || 0 ) ) + ( matches[ 3 ] || \"px\" ) :\n\t\tvalue;\n}\n\nfunction boxModelAdjustment( elem, dimension, box,
isBorderBox, styles, computedVal ) {\n\tvar i = dimension === \"width\" ? 1 : 0,\n\t\textra = 0,\n\t\tdelta = 0;\n\n\t//
Adjustment may not be necessary\n\tif ( box === ( isBorderBox ? \"border\" : \"content\" ) ) {\n\t\treturn
0;\n\t}\n\n\tfor ( ; i < 4; i += 2 ) {\n\n\t\t// Both box models exclude margin\n\t\tif ( box === \"margin\" )
{\n\t\t\tdelta += jQuery.css( elem, box + cssExpand[ i ], true, styles );\n\t\t}\n\n\t\t// If we get here with a contentbox, we're seeking \"padding\" or \"border\" or \"margin\"\n\t\tif ( !isBorderBox ) {\n\n\t\t\t// Add
padding\n\t\t\tdelta += jQuery.css( elem, \"padding\" + cssExpand[ i ], true, styles );\n\n\t\t\t// For \"border\" or
\"margin\", add border\n\t\t\tif ( box !== \"padding\" ) {\n\t\t\t\tdelta += jQuery.css( elem, \"border\" + cssExpand[ i
] + \"Width\", true, styles );\n\n\t\t\t// But still keep track of it otherwise\n\t\t\t} else {\n\t\t\t\textra += jQuery.css(
elem, \"border\" + cssExpand[ i ] + \"Width\", true, styles );\n\t\t\t}\n\n\t\t// If we get here with a border-box (content
+ padding + border), we're seeking \"content\" or\n\t\t// \"padding\" or \"margin\"\n\t\t} else {\n\n\t\t\t// For

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\"content\", subtract padding\n\t\t\tif ( box === \"content\" ) {\n\t\t\t\tdelta -= jQuery.css( elem, \"padding\" +
cssExpand[ i ], true, styles );\n\t\t\t}\n\n\t\t\t// For \"content\" or \"padding\", subtract border\n\t\t\tif ( box !==
\"margin\" ) {\n\t\t\t\tdelta -= jQuery.css( elem, \"border\" + cssExpand[ i ] + \"Width\", true, styles
);\n\t\t\t}\n\t\t}\n\t}\n\n\t// Account for positive content-box scroll gutter when requested by providing
computedVal\n\tif ( !isBorderBox && computedVal >= 0 ) {\n\n\t\t// offsetWidth/offsetHeight is a rounded sum of
content, padding, scroll gutter, and border\n\t\t// Assuming integer scroll gutter, subtract the rest and round
down\n\t\tdelta += Math.max( 0, Math.ceil(\n\t\t\telem[ \"offset\" + dimension[ 0 ].toUpperCase() + dimension.slice(
1 ) ] -\n\t\t\tcomputedVal -\n\t\t\tdelta -\n\t\t\textra -\n\t\t\t0.5\n\t\t) );\n\t}\n\n\treturn delta;\n}\n\nfunction
getWidthOrHeight( elem, dimension, extra ) {\n\n\t// Start with computed style\n\tvar styles = getStyles( elem
),\n\t\tval = curCSS( elem, dimension, styles ),\n\t\tisBorderBox = jQuery.css( elem, \"boxSizing\", false, styles )
=== \"border-box\",\n\t\tvalueIsBorderBox = isBorderBox;\n\n\t// Support: Firefox <=54\n\t// Return a confounding
non-pixel value or feign ignorance, as appropriate.\n\tif ( rnumnonpx.test( val ) ) {\n\t\tif ( !extra ) {\n\t\t\treturn
val;\n\t\t}\n\t\tval = \"auto\";\n\t}\n\n\t// Check for style in case a browser which returns unreliable values\n\t// for
getComputedStyle silently falls back to the reliable elem.style\n\tvalueIsBorderBox = valueIsBorderBox &&\n\t\t(
support.boxSizingReliable() || val === elem.style[ dimension ] );\n\n\t// Fall back to offsetWidth/offsetHeight when
value is \"auto\"\n\t// This happens for inline elements with no explicit setting (gh-3571)\n\t// Support: Android
<=4.1 - 4.3 only\n\t// Also use offsetWidth/offsetHeight for misreported inline dimensions (gh-3602)\n\tif ( val ===
\"auto\" ||\n\t\t!parseFloat( val ) && jQuery.css( elem, \"display\", false, styles ) === \"inline\" ) {\n\n\t\tval = elem[
\"offset\" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ];\n\n\t\t// offsetWidth/offsetHeight provide borderbox values\n\t\tvalueIsBorderBox = true;\n\t}\n\n\t// Normalize \"\" and auto\n\tval = parseFloat( val ) || 0;\n\n\t//
Adjust for the element's box model\n\treturn ( val
+\n\t\tboxModelAdjustment(\n\t\t\telem,\n\t\t\tdimension,\n\t\t\textra || ( isBorderBox ? \"border\" : \"content\"
),\n\t\t\tvalueIsBorderBox,\n\t\t\tstyles,\n\n\t\t\t// Provide the current computed size to request scroll gutter
calculation (gh-3589)\n\t\t\tval\n\t\t)\n\t) + \"px\";\n}\n\njQuery.extend( {\n\n\t// Add in style property hooks for
overriding the default\n\t// behavior of getting and setting a style property\n\tcssHooks: {\n\t\topacity: {\n\t\t\tget:
function( elem, computed ) {\n\t\t\t\tif ( computed ) {\n\n\t\t\t\t\t// We should always get a number back from
opacity\n\t\t\t\t\tvar ret = curCSS( elem, \"opacity\" );\n\t\t\t\t\treturn ret === \"\" ? \"1\" :
ret;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t},\n\n\t// Don't automatically add \"px\" to these possibly-unitless
properties\n\tcssNumber: {\n\t\t\"animationIterationCount\": true,\n\t\t\"columnCount\": true,\n\t\t\"fillOpacity\":
true,\n\t\t\"flexGrow\": true,\n\t\t\"flexShrink\": true,\n\t\t\"fontWeight\": true,\n\t\t\"lineHeight\":
true,\n\t\t\"opacity\": true,\n\t\t\"order\": true,\n\t\t\"orphans\": true,\n\t\t\"widows\": true,\n\t\t\"zIndex\":
true,\n\t\t\"zoom\": true\n\t},\n\n\t// Add in properties whose names you wish to fix before\n\t// 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

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specified value

```javascript
specified value

```
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```
jQuery.timers = [];
jQuery.fx.tick = function() {
    var timer,
        i = 0;

    for ( ; i < timers.length; i++ ) {
        if ( timers[ index ].elem === this && timers[ index ].queue === null ) {
            timers[ index ].anim.stop( true );
            timers.splice( index, 1 );
        }
    }

    for ( index = timers.length; index--; ) {
        if ( timers[ index ].elem === this && timers[ index ].queue !== type ) {
            timers[ index ].anim.stop( gotoEnd );
            dequeue = false;
            timers.splice( index, 1 );
        }
    }

    if ( jQuery.fx.off ) {
        opt.duration = 0;
    } else {
        if ( typeof opt.duration !== "number" ) {
            opt.duration = jQuery.fx.speeds[ opt.duration ] ? jQuery.fx.speeds[ opt.duration ] : jQuery.fx.speeds._default;
        }
    }

    if ( jQuery.isFunction( opt.old ) ) {
        opt.old.call( this );
    }

    if ( jQuery.isFunction( opt.complete ) ) {
        opt.complete.call( this, true );
    }
    end.

    return this.each( function( i, name ) {
0,\n\n		timers = jQuery.timers;\n\n\n		// Run the timer and safely remove it when done (allowing for external removal)\n\n\n		if ( timer &\n\n																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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```javascript
ontype && cur[ ontype ] = null;
if ( handle && handle.apply && acceptData( cur ) ) {
    event.result = handle.apply( cur, data );
}

// Prevent default actions on window, that's where global variables be (#6170)
if ( ontype && !cur[ ontype ] ) {
    if ( handle && handle.apply && acceptData( cur ) ) {
        event.result = handle.apply( cur, data );
        if ( event.result === false ) {
            event.preventDefault();
        }
    }
}

event.type = type;

// If nobody prevented the default action, do it now
if ( !onlyHandlers && !event.isDefaultPrevented() ) {

    if ( ( !special._default ||
          special._default.apply( eventPath.pop(), data ) !== false ) &&
          !acceptData( elem ) ) {

        // Call a native DOM method on the target with the same name as the event.
        Prevent re-triggering of the same event, since we already bubbled it above
        event.terminated = true;
        event.triggered = type;
        event.isPropagationStopped = function( event ) {
            return event.isPropagationStopped;
        };

        if ( !special._default ) {
            elem[ type ] = null;
        }

        // Prevent re-triggering of the same event, since we already bubbled it above
        event.terminated = true;
        event.triggered = type;
        event.isPropagationStopped = function( event ) {
            return event.isPropagationStopped;
        };

        if ( !special._default ) {
            elem[ type ] = null;
        }
    }
}

return event.result;
}

// Piggyback on a donor event to simulate a different one
// Used only for focusin|out events
simulate: function( type, elem, event ) {
    var e = jQuery.extend( new jQuery.Event(), event,
    { type: type, isSimulated: true } );

    jQuery.event.trigger( e, null, elem );
}

jQuery.fn.extend( {

    trigger: function( type, data ) {
        return this.each( function() {
            jQuery.event.trigger( type, data, this );
        } );
    },

    triggerHandler: function( type, data ) {
        var elem = this[ 0 ];
        if ( elem ) {
            return jQuery.event.trigger( type, data, elem, true );
        }
    }
} );

// Support: Firefox <=44
// Firefox doesn’t have focusin|out events
// Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787
// Support:
// Firefox <=48 - 49, Safari <=9.0 - 9.1
// focusin|out events fire after focus & blur events, which is spec violation - http://www.w3.org/TR/DOM-Level-3-Events/#events-focusevent-event-order
if ( !support.focusin ) {
    jQuery.each( { focus: "focusin", blur: "focusout" }, function( orig, fix ) {

        // Attach a single capturing handler on the document
        // while someone wants focusin|out
        jQuery.event.special[ fix ] = {
            setup: function()
            { doc = this.ownerDocument || this;
              attatches = dataPriv.access( doc, fix );

              if ( !attatches ) {
                doc.addEventListener( orig, handler, true );
              }
              dataPriv.access( doc, fix, ( attatches || 0 ) + 1 );
            },

            teardown: function() {
              var doc = this.ownerDocument || this;
              attaches = dataPriv.access( doc, fix ) - 1;

              if ( !attaches ) {
                doc.removeEventListener( orig, handler, true );
              } else {
                dataPriv.access( doc, fix, attaches );
              }
            }
        };
    } );
}

var location = window.location;

var nonce = Date.now();

var rquery = (/
<%=rulenuel%>/ );

// 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 ) {
        xml = undefined;
    }

    if ( !xml || xml.getElementsByTagName( "parsererror" ).length ) {
        jQuery.error( "Invalid XML: " + data );
    }
    return xml;
};
```

---

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The code snippet provided is part of a JavaScript function that handles the request process in a web application. The function appears to be responsible for initiating an AJAX (Asynchronous JavaScript and XML) request, setting up the necessary headers and parameters, and performing any necessary transformations on the data before sending it to the server.

The code begins by defining the URL to be requested, which is then validated for cross-domain requests. It also checks if the request should use a cached copy of the resource or if it needs to be fetched from the server. If a cached resource is available, the function proceeds to use it. Otherwise, it proceeds to fetch the resource from the server.

The function then proceeds to prepare the request parameters, including headers, content type, and data. It also handles the processing of URL parameters and ensures that any required authentication or proxy settings are correctly configured. The function finally initiates the request using the XMLHttpRequest object, which is a standardized way of making asynchronous HTTP requests in JavaScript.

Once the request is sent, the function handles the response, checking for errors and processing the data accordingly. It then updates the DOM (Document Object Model) with the retrieved data, ensuring that the application stays responsive and provides a seamless user experience.

Overall, the code snippet is a typical example of how AJAX requests are handled in modern web applications, showcasing the integration of server-side and client-side code to provide dynamic and responsive web experiences.
jQuery.fn.extend({
    wrapAll: function(html) {
        var wrap;

        if (this[0]) {
            if (isFunction(html)) {
                html = html.call(this[0]);
            }

            // The elements to wrap
            wrap = jQuery(html, this[0].ownerDocument).eq(0).clone(true);
        }

        // The target around
        wrap = jQuery(this[0]).eq(0).clone(true);

        // The elements to wrap
        wrap = jQuery(this[0]).eq(0).clone(true);
    }
});

jQuery._evalUrl = function(url) {
    return jQuery.extend({
        url: url,
        type: "GET",
        dataType: "script",
        cache: true,
        async: false,
        global: !jQuery.globalEval
    }, jQuery.isPlainObject(url) && url);
}

jQuery.get = function(url, data, callback, type) {
    return jQuery.getScript(url, data, callback, type);,
}

jQuery.getScript = function(url, callback) {
    if (isDefined(url)) {
        if (isDefined(data) && isFunction(data)) {
            type = type || callback;
            callback = data;
            data = undefined;
        } else if (isDefined(statusText)) {
            statusText = "error";
        }
    } else if (isDefined(statusText)) {
        statusText = "error";
    }

    // If abort was called inside ajaxSend, stop there
    if (complete) {
        return jqXHR;
    }

    // Dereference transport for early garbage collection
    // (no matter how long the jqXHR object will be used)
    transport = undefined;
    Cache response headers
    responseHeadersString = headers || "";
    Set readyState
    jqXHR.readyState = status > 0 ? 4 : 0;
    // Determine if successful
    isSuccess = status >= 200 &

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```javascript

// Function to replace content with new HTML.
function( html ) {
  return jQuery( this ).wrap( html );
}

// Function to replace content with new HTML after the parent element.
function( html ) {
  return jQuery( this ).wrapAfter( html );
}

// Function to replace content with new HTML after the parent element's first child.
function( html ) {
  return jQuery( this ).wrapAll( html );
}

// Function to replace content with new HTML after the parent element's first child.
function( html ) {
  return jQuery( this ).wrapInner( html );
}

// Function to wrap content with new HTML.
function( html ) {
  return jQuery( this ).wrap( html );
}

// Function to unwrap content.
function( selector ) {
  return jQuery( this ).unwrap( selector );
}

// Function to check if an element is hidden.
function( elem ) {
  return jQuery.expr.pseudos.hidden( elem );
}

// Function to check if an element is visible.
function( elem ) {
  return jQuery.expr.pseudos.visible( elem );
}

// Function to get the XMLHttpRequest object.
function() {
  try {
    return new window.XMLHttpRequest();
  } catch ( e ) {}
}

// Function to handle CORS support.
function( options ) {
  var callback,
      errorCallback;

  // Check if CORS support is enabled or if the request is not cross-domain.
  if ( support.cors ||
       xhrSupported ) {
    // Set up the XMLHttpRequest object.
    var xhr = options.xhr();

    // Set up the request settings.
    xhr.open( options.type, options.url, options.async, options.username, options.password );
    xhr.setRequestHeader( i, options.xhrFields[ i ] );
    xhr.overrideMimeType( options.mimeType && & xhr.overrideMimeType);

    // Set up the callback function.
    callback = function( type ) {
      if ( type === "error" ) {
        complete( xhrSuccessStatus[ xhr.status ] || xhr.status, xhr.statusText, xhr.response, xhr.getAllResponseHeaders() );
      } else if ( type === "errorCallback" ) {
        complete( xhrSuccessStatus[ xhr.status ] || xhr.status, xhr.statusText, xhr.response, xhr.getAllResponseHeaders() );
      } else if ( type === "abort" ) {
        complete( xhrSuccessStatus[ xhr.status ] || xhr.status, xhr.statusText, xhr.response, xhr.getAllResponseHeaders() );
      }
    }

    // Listen to events.
    xhr.onreadystatechange = function() {
      if ( this.readyState === 4 ) {
        if ( this.status === 200 ) {
          complete( xhrSuccessStatus[ this.status ] || this.status, xhr.statusText, xhr.responseText, xhr.getAllResponseHeaders() );
        } else {
          complete( xhrSuccessStatus[ this.status ] || this.status, xhr.statusText, xhr.responseText, xhr.getAllResponseHeaders() );
        }
      }
    };

    // Send the request.
    xhr.send( options.data );
  }
}
```

# Support

Support for the `-14426` and `-14207` changes has been added, allowing for cross-domain requests. The `xhr` object can now be used to make requests without the need for a separate `XMLHttpRequest` object.

# Notes

1. The `wrap` function is used to wrap content with new HTML.
2. The `wrapAfter` function is used to wrap content with new HTML after the parent element.
3. The `wrapAll` function is used to wrap content with new HTML after the parent element's first child.
4. The `wrapInner` function is used to wrap content with new HTML after the parent element's first child.
5. The `unwrap` function is used to unwrap content.
6. The `hidden` pseudoclass is used to check if an element is hidden.
7. The `visible` pseudoclass is used to check if an element is visible.
8. The `XMLHttpRequest` object is used to make requests.
9. Cross-domain requests are now supported, allowing for more flexibility in making requests.
10. The `onreadystatechange` event is used to listen for changes in the request's state.

---

This document contains code related to branch migration and open source tools. It includes functions for wrapping content with new HTML, checking if an element is hidden or visible, and handling XMLHttpRequest requests. The code is designed to be used in a branch migration tool.
changes

{ xhr.readyState === 4 } { xhr.responseText } // Allow onerror to be called first, but that will not handle a native abort(xhr) error, either. Also, save errorCallback to a variable before it is called, so that xhr.onerror cannot be accessed.

xhr.onreadystatechange = function() {
    if (xhr.readyState === 4) {
        // Allow onerror to be called first, but that will not handle a native abort(xhr) error, either.
        // Also, save errorCallback to a variable before it is called, so that xhr.onerror cannot be accessed.
        // Do send the request (this may raise an exception)
        xhr.send( options.hasContent && options.data || null );
        // #14683: Only rethrow if this hasn't been notified as an error yet
        errorCallback( function() {
            xhr.responseText;
            // The abort callback
            callback = callback( "abort" );
            // Default jsonp settings
            jQuery.ajaxSetup( { jsonp: "callback", jsonpCallback: function() {
                var callback = oldCallbacks.pop() || ( jQuery.expando + "_" + ( nonce++ ) );
                this[ callback ] = true;
                // Insert callback into url or form data
                if ( !jsonp ) {
                    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp + "=" + jsonp;
                } else {
                    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp;
                }
            } );
            // Call if it was a function and we have a response
            if ( responseContainer && isFunction( overwritten ) ) {
                overwritten( responseContainer );
            }
            // Otherwise restore preexisting value associated with it
            overwritten = overwritten;
            // Use data converter to retrieve json after script execution
            // If jsonp or we have a parameter to set
            if ( jsonp ) {
                s.dataTypes[0] === "jsonp" ) {
                    // Get callback name, remembering preexisting value associated with it
                    overwriteName = sjsonpCallback = isFunction( sjsonpCallback );
                    if ( sjsonpCallback ) {
                        // Insert callback into url or form data
                        s.data += ( rquery.test( s.data ) ? "&" : "?" ) + s.jsonp;
                    }
                }
            } else if ( sjsonp !== false ) {
                // Use native DOM manipulation to avoid our domManip AJAX trickery
                document.head.appendChild( script[0] );
            }
            // Save back as free
            overwritten = overwritten;
            // Make sure that re-using the options doesn't screw things around
            overwriteName = overwritten;
            overwriteName
            // Call if it was a function and we have a response
            if ( responseContainer && isFunction( overwritten ) ) {
                overwritten( responseContainer );
            }
        } );
    }
}

function( s ) { xhr[ s.crossDomain ] ( s.DOMDocument ) { xhr.readyState === 4 } { xhr.responseText } // Allow onerror to be called first, but that will not handle a native abort(xhr) error, either. Also, save errorCallback to a variable before it is called, so that xhr.onerror cannot be accessed.

xhr.onreadystatechange = function() {
    if (xhr.readyState === 4) {
        // Allow onerror to be called first, but that will not handle a native abort(xhr) error, either.
        // Also, save errorCallback to a variable before it is called, so that xhr.onerror cannot be accessed.
        // Do send the request (this may raise an exception)
        xhr.send( options.hasContent && options.data || null );
        // #14683: Only rethrow if this hasn't been notified as an error yet
        errorCallback( function() {
            xhr.responseText;
            // The abort callback
            callback = callback( "abort" );
            // Default jsonp settings
            jQuery.ajaxSetup( { jsonp: "callback", jsonpCallback: function() {
                var callback = oldCallbacks.pop() || ( jQuery.expando + "_" + ( nonce++ ) );
                this[ callback ] = true;
                // Insert callback into url or form data
                if ( !jsonp ) {
                    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp + "=" + jsonp;
                } else {
                    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp;
                }
            } );
            // Call if it was a function and we have a response
            if ( responseContainer && isFunction( overwritten ) ) {
                overwritten( responseContainer );
            }
            // Otherwise restore preexisting value associated with it
            overwritten = overwritten;
            // Use data converter to retrieve json after script execution
            // If jsonp or we have a parameter to set
            if ( jsonp ) {
                s.dataTypes[0] === "jsonp" ) {
                    // Get callback name, remembering preexisting value associated with it
                    overwriteName = sjsonpCallback = isFunction( sjsonpCallback );
                    if ( sjsonpCallback ) {
                        // Insert callback into url or form data
                        s.data += ( rquery.test( s.data ) ? "&" : "?" ) + s.jsonp;
                    }
                }
            } else if ( sjsonp !== false ) {
                // Use native DOM manipulation to avoid our domManip AJAX trickery
                document.head.appendChild( script[0] );
            }
            // Save back as free
            overwritten = overwritten;
            // Make sure that re-using the options doesn't screw things around
            overwriteName = overwritten;
            overwriteName
            // Call if it was a function and we have a response
            if ( responseContainer && isFunction( overwritten ) ) {
                overwritten( responseContainer );
            }
        } );
    }
}

{ xhr.readyState === 4 } { xhr.responseText } // Allow onerror to be called first, but that will not handle a native abort(xhr) error, either. Also, save errorCallback to a variable before it is called, so that xhr.onerror cannot be accessed.

xhr.onreadystatechange = function() {
    if (xhr.readyState === 4) {
        // Allow onerror to be called first, but that will not handle a native abort(xhr) error, either.
        // Also, save errorCallback to a variable before it is called, so that xhr.onerror cannot be accessed.
        // Do send the request (this may raise an exception)
        xhr.send( options.hasContent && options.data || null );
        // #14683: Only rethrow if this hasn't been notified as an error yet
        errorCallback( function() {
            xhr.responseText;
            // The abort callback
            callback = callback( "abort" );
            // Default jsonp settings
            jQuery.ajaxSetup( { jsonp: "callback", jsonpCallback: function() {
                var callback = oldCallbacks.pop() || ( jQuery.expando + "_" + ( nonce++ ) );
                this[ callback ] = true;
                // Insert callback into url or form data
                if ( !jsonp ) {
                    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp + "=" + jsonp;
                } else {
                    s.url += ( rquery.test( s.url ) ? "&" : "?" ) + s.jsonp;
                }
            } );
            // Call if it was a function and we have a response
            if ( responseContainer && isFunction( overwritten ) ) {
                overwritten( responseContainer );
            }
            // Otherwise restore preexisting value associated with it
            overwritten = overwritten;
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            if ( jsonp ) {
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                    overwriteName = sjsonpCallback = isFunction( sjsonpCallback );
                    if ( sjsonpCallback ) {
                        // Insert callback into url or form data
                        s.data += ( rquery.test( s.data ) ? "&" : "?" ) + s.jsonp;
                    }
                }
            } else if ( sjsonp !== false ) {
                // Use native DOM manipulation to avoid our domManip AJAX trickery
                document.head.appendChild( script[0] );
            }
            // Save back as free
            overwritten = overwritten;
            // Make sure that re-using the options doesn't screw things around
            overwriteName = overwritten;
            overwriteName
            // Call if it was a function and we have a response
            if ( responseContainer && isFunction( overwritten ) ) {
                overwritten( responseContainer );
            }
        } );
    }
}
Open Source Used In Branch Migration Tool 1.9

Response container is overwritten as undefined

Delegate to script

Keep scripts (optional): If true, will include scripts passed in the HTML string

jQuery

Load a url into a page

Save response for use in complete callback

jQuery

Make value of this field explicit since

jQuery

Exclude scripts to avoid IE 'Permission Denied' errors

jQuery

Always callback and function

jQuery

Alter a bunch of functions for handling common AJAX events

jQuery

Attach to element

jQuery

Set position first, in-case top/left are set even on static elem

jQuery

Need to be able to calculate position if either top or left is auto and position is either absolute or fixed

jQuery

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jQuery
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10394

https://bugs.chromium.org/p/chromium/issues/detail?id=589347

// getComputedStyle returns percent when jQuery.fn.position
// 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

		} else {
			elem[method] = val;
		}

		}, method, val, arguments.length
method ];
			}

			if ( win ) {
				win.scrollTo(
					!top ? val : win.pageXOffset,
					top ? val :

			var win;
			if ( isWindow( elem ) ) {
				win = elem;
			} else if ( elem.nodeType === 9 )

	var top = "pageYOffset" === prop;

	jQuery.fn[method] =

					// Assume position:fixed implies availability of

	ajaxContext: function( val ) {
					\$this[ 0 ];

				offsetParent = offsetParent.parentNode;
			}
			if ( offsetParent && offsetParent !== elem &&

				// Incorporate borders into its offset, since they are outside its content
origin
				offset: function( options ) {

			// This method will return elementDocument in the following cases:

				// Account for the *real* offset parent, which can be the document or its root element

			// position by adding viewport scroll to viewport relative gBCR

trect = elem.getBoundingClientRect();

				// Get document-relative position with viewport scroll to viewport rect
				// rect.top + win.pageYOffset, rect.left + win.pageXOffset;
				// rect:

			// this.offset();

				// Subtract parent offsets and element margins

				// For the element inside the iframe without offsetParent, this method will return

				// 1) \$\document\$.offsetParent.left += jQuery.css( offsetParent, \"borderLeftWidth\", true

				// 2) For the hidden or detached element
			// 3) For body or html element, i.e. in case of the html node -

				// but those exceptions were never presented as a real life use-cases

				https://bugs.chromium.org/p/chromium/issues/detail?i=589347

				// getComputedStyle returns percent when
specified for top/left/bottom/right;

// rather than make the css module depend on the offset module, just check for it
jQuery.each( ["top", "left"], function( i, prop ) {
    jQuery.cssHooks[ prop ] = addGetHookIf( support.pixelPosition, function( elem, computed ) {
        if ( curCSS( elem, prop ) ) { // If curCSS returns percentage, fallback to offset( this, function( elem, type, value ) {
            return jQuery.offset( elem ) || ( isWindow( elem ) ) )
        }
        // Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
        jQuery.fn[ funcName ] = function( margin, value ) {
            if ( margin ) { // arguments.length &
                return jQuery.style( elem, type, value, margin );
            } else {
                return jQuery.curCSS( elem, type );
            }
        }
    });
}

// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
jQuery.fn[ funcName ] = function( margin, value ) {
    if ( margin ) {
        return jQuery.style( elem, type, value, margin );
    } else {
        return jQuery.curCSS( elem, type );
    }
}

// Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
jQuery.fn[ funcName ] = function( margin, value ) {
    if ( margin ) {
        return jQuery.style( elem, type, value, margin );
    } else {
        return jQuery.curCSS( elem, type );
    }
}

jQuery.bind = function( types, data, fn ) {
    return this.on( types, null, data, fn );
}

jQuery.unbind = function( types, fn ) {
    return this.off( types, null, fn );
}

jQuery.delegate = function( selector, types, data, fn ) {
    return this.on( types, selector, data, fn );
}

jQuery.undelegate = function( selector, types, data, fn ) {
    return this.off( types, selector, data, fn );
}

jQuery.proxy = function( fn, context ) {
    var tmp, args, proxy;
    if ( typeof context === "string" ) {
        fn = fn[ context ];
        context = fn;
    }
    if ( !isFunction( fn ) ) {
        return undefined;
    }
    args = slice.call( arguments, 2 );
    proxy = function() {
        return fn.apply( context || this, args.concat( slice.call( arguments ) ) );
    }
    proxy.guid = fn.guid = fn.guid || jQuery.guid++;
    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.nodeName; jQuery.isNumeric = function( obj ) {
    if ( jQuery 3.0, isNumeric is limited to strings and numbers (primitives or objects) to/that can be coerced to finite numbers (gh-2662) )
    type = jQuery.returns ( type === "number" || type === "string" && parseFloat NaNs numeric-cast false positives ("\n") ||...but misinterprets leading-number strings, particularly hex literals ("\n") || subtraction forces infinites to NaN());

Register as a named AMD module, since jQuery can be concatenated with other\n/ files that may define, but not via a proper concatenation script that\n/ understands anonymous AMD modules. A named AMD is safest and most robust\n/ way to register. Lowercase jquery is used because AMD module names are\n/ derived from file names, and jQuery is normally delivered in a lowercase\n/ file name. Do this after creating the global so that if an AMD module wants\n/ to call noConflict to hide this version of jQuery, it will work.\n/ Note that for maximum portability, libraries that are not jQuery should\n/ declare themselves as anonymous modules, and avoid setting a global if an\n/ AMD loader is present. jQuery is a special case. For more information, see\n/ https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries/wiki-anon\n/ ( typeof define === \n/ ''function'' && define.amd ) {\n/ \n/ \n/ \n/ Map over jQuery in case of overwriten\n/ jQuery = window.jQuery;\n/ \n/ \n/ \n/ Map over the $ in case of overwriten\n/ _$ = window.$;\n/ \n/ \n/ \n/ Map over jQuery in case of overwriten\n/ function( deep ) {\n/ \n/ \n/ \n/ Map over jQuery in case of overwriten\n/ \n/ \n/ \n/ Map over the $ in case of overwriten\n/ Map over $ in case of overwriten\n/ Map over jQuery in case of overwriten\n/ Map over jQuery in case of overwriten

function isObject(value) {
  var type = typeof value;
  return value !== null && (type === 'object' || type === 'function');
}

module.exports = isObject;

var Symbol = require('./_Symbol'),
    Uint8Array = require('./_Uint8Array'),
    eq = require('./eq'),
    equalArrays = require('./_equalArrays'),
    mapToArray = require('./_mapToArray'),
    setToArray = require('./_setToArray');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2;

/** `Object#toString` result references. */
var boolTag = '[object Boolean]',
    dateTag = '[object Date]',
    errorTag = '[object Error]',
    mapTag = '[object Map]',
    numberTag = '[object Number]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    symbolTag = '[object Symbol]',
    arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]';

/** Used to convert symbols to primitives and strings. */
var symbolProto = Symbol ? Symbol.prototype : undefined,
    symbolValueOf = symbolProto ?
        symbolProto.valueOf : undefined;

/**
 * A specialized version of `baseIsEqualDeep` for comparing objects of
 * the same `toStringTag`. 1
 *
 * **Note:** This function only supports comparing values with tags of
 * `Boolean`, `Date`, `Error`, `Number`, `RegExp`, or `String`. See
 * http://www.ecma-international.org/ecma-262/7.0/#sec-Object.prototype.toString
 * for more details.
 */
function equalByTag(object, other, tag, bitmask, customizer, equalFunc, stack) {
  switch (tag) {
    case dataViewTag:
      if ((object.byteLength != other.byteLength) ||
          (object.byteOffset != other.byteOffset)) {
        return false;
      }
      object = object.buffer;
      other = other.buffer;

    case arrayBufferTag:
      if ((object.byteLength != other.byteLength) ||
          !equalFunc(new Uint8Array(object), new Uint8Array(other))) {
        return false;
      }
      return true;

    case boolTag:
    case dateTag:
    case numberTag:
      // Coerce booleans to `1` or `0` and dates to milliseconds.
      // Invalid dates are coerced to `NaN`.
      return eq(+object, +other);

    case regexpTag:
    case stringTag:
      // Coerce regexes to strings and treat strings, primitives and objects,
      // as equal. See http://www.ecma-international.org/ecma-262/7.0/#sec-regexp.prototype.toString
      // for more details.
      return object == (other + '');

    case mapTag:
      var convert = mapToArray;

    case setTag:
      var isPartial = bitmask & COMPARE_PARTIAL_FLAG;
      convert || (convert = setToArray);

      if (object.size != other.size && !isPartial) {
        return false;
      }
      // Assume cyclic values are equal.
      var stacked = stack.get(object);
      if (stacked) {
        return stacked == other;
      }
      bitmask |= COMPARE_UNORDERED_FLAG;

      // Recursively compare objects (susceptible to call stack limits).
      var result = equalArrays(convert(object), convert(other), bitmask, customizer,
          equalFunc, stack);
      if (stacked || result) { (stack.get(object) || _) || result = true; }
      return result;

    case symbolTag:
      if (symbolValueOf)
        return symbolValueOf.call(object) == symbolValueOf.call(other);
      return false;

    case Symbol.prototype.toStringTag:
      return object == Symbol.prototype.toStringTag &&
          object !== ((_core.getPrototypeOf(object).toStringTag) || '').
  }
  return false;
}

module.exports = equalByTag;

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
var Promise = getNative(root, 'Promise');

module.exports = Promise;

/**
 * Removes `key` and its value from the hash.
 *
 * @memberOf Hash
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */
function hashDelete(key) {
  var result = equals(arrays, convert(object), convert(other), bitmask, customizer,
      equalFunc, stack),
  var result = equalArrays(convert(object), convert(other), bitmask, customizer,
      equalFunc, stack)
      return result;
}

module.exports = hashDelete;

var baseEach = require('./_baseEach');

/**
 * The base implementation of `_.every` without support for iteratee shorthands.
 */
function every(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length;
  while (++index < length)
    if (predicate(array[index], index, array))
      return true;
  return false;
}

module.exports = every;
@returns {boolean} Returns `true` if all elements pass the predicate check,\nelse `false`\n

```javascript
function baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    var tryFn = fn.call(iterator)\n    var getData = require('lodash\n    var size = data.size\n    var set = fn\n    return fn\n  });\n}
```

```javascript
var getMapData = require('lodash\n
/**
 * Sets the map `key` to `value`\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
```
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';

debugger;
var svgPathData = M416 32H16C0 46.5 0 64.3v383.4C0 146.5 21.4 164 64.3 164H225C66.5 225 512 164 512 164V416h-323.2V202.2h66.4V416zM32-17.3-38.5-38.5S80.9 96 102.2 96c21.2 0 38.5 17.3 38.5 38.5 0 21.3-17.2 38.5-38.5 38.5zm282.1 243h-66.4V312c0-24.8-.5-56.7-34.5-56.7-34.6 0-39.9 27-39.9 54.9V416h-66.4V202.2h63.7V29.2h9c-8.9-16.8 30.6-34.5 62.9-34.5 67.2 0 79.7 44.3 79.7 101.9V416;

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.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;
}

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;
}());

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 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;

var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/** `Object#toString` result references. */
var argsTag = '[object Arguments]';

/**
 * The base implementation of `_.isArguments`.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an `arguments` object,
 */
function baseIsArguments(value) {
  return isObjectLike(value) && baseGetTag(value) == argsTag;
}

module.exports = baseIsArguments;

exports.f = Object.getOwnPropertySymbols;

var arrayEvery =
result[resIndex++] = value;
  }
  return result;
}

module.exports = function (it) {
  return toString.call(it).slice(8, -1);
}

/**
 * Removes `key` and its value from the stack.
 *
 * @private
 * @name delete
 * @memberOf Stack
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */
function stackDelete(key) {
  var data = this.__data__,
      result = data['delete'](key);

  this.size = data.size;
  return result;
}

module.exports = stackDelete;

var isArrayLike = require('./isArrayLike'),
    isFunction = require('./isFunction'),
    isLength = require('./isLength');

/**
 * Checks if `value` is array-like. A value is considered array-like if it's not
 * a function and has a `value.length` that's an integer greater than or
 * equal to `0` and less than or equal to `Number.MAX_SAFE_INTEGER`.
 *
 * @private
 * @name arrayLike
 * @memberOf _
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is array-like, else `false`.
 */
function isArrayLike(value) {
  return value != null && isLength(value.length) &&
  !isFunction(value);
}

module.exports = isArrayLike;

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);
};

var dP = require('./_object-dp');
var createDesc = require('./_property-desc');
module.exports = require('./_descriptors') ? function (object, key, value) {
  return dP.f(object, key, createDesc(1, value));
} : function (object, key, value) {
  object[key] = value;
  return object;
};

var arrayFilter = require('./_arrayFilter'),
    stubArray = require('./stubArray');

/**
 * Creates an array of the own
 * enumerable symbols of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of symbols.
 */
var getSymbols = !nativeGetSymbols ? stubArray : function(object) {
  if (object == null) {
    return [];
  }
  object = Object(object);
  return arrayFilter(nativeGetSymbols(object),
    function(symbol) {
      return propertyIsEnumerable.call(object, symbol);
    });
};

module.exports = getSymbols;

// check on default Array iterator
var Iterators = require('./_iterators');
var ARRAY_ITERATOR = require('./_wks')('Array Iterator');
var ArrayProto = Array.prototype;

module.exports = function (it) {
  return it !== undefined &
  & (Iterators.Array === it || ArrayProto[ARRAY_ITERATOR] === it);
};

var isFunction = require('./isFunction'),
    isMasked = require('./_isMasked'),
    isObject = require('./isObject'),
    toSource = require('./_toSource');

/**
 * 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;
value.

*/

**Object#toString result references. */

```javascript
function getValue(object, key) {
  return object == null ? undefined : object[key];
}

module.exports = getValue;
```

```javascript
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;
```

```javascript
// 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')
  });
```

```javascript
// 19.1.2.9 / 15.2.3.2 Object.getPrototypeOf(O)
var has = require('./_has'),
    IE_PROTO = require('./_shared-key')('IE_PROTO');

module.exports = Object.getPrototypeOf || function (O) {
  O = toObject(O);
  if (has(O, IE_PROTO)) return O[IE_PROTO];
  if
```

```javascript
var isStrictComparable = require('./_isStrictComparable'),
    keys = require('./keys');

/**
 * Gets the property names, values, and compare flags of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the match data of `object`.
 */

function getMatchData(object) {
  var result = 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;
```

```javascript
/*!
 *
 * vue-headroom v0.9.0
 * (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';

```javascript
```
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exports.umask = exports.dlopen = exports.uptime = exports.memoryUsage = exports.uvCounters = function() {

};
exports.features = {
  **": 

};
*/
exports.umask = exports.dlopen = 
exports.uptime = exports.memoryUsage = exports.uvCounters = function() {

};
exports.features = {};

/**
 * Gets the last element of `array`.
 *
 * @static
 * @memberOf _
 *
 * @since 0.1.0
 * @category Array
 * @param {Array} array The array to query.
 * @returns {Array} Returns the last
 * element of `array`.
 */
function last(array) {
  var length = array == null ? 0 : array.length;
  return length ? array[length - 1] : undefined;
}

module.exports = last;

var toObject = require('./_to-object');

var $keys = require('./_object-keys');

require('./_object-sap')('keys', function () {
  return function keys(it) {
    return $keys(toObject(it));
  };
});

// 7.1.4 ToInteger
var ceil = Math.ceil;
var floor = Math.floor;

module.exports = function (it) {
  return isNaN(it = +it) ? 0 : (it > 0 ? floor : ceil)(it);
};

module.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;

// @@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[MATCH];
    return fn !== undefined ? fn.call(regexp, O) : new RegExp(regexp)[MATCH](String(O));
  }, $match];
});

var nativeCreate = require('./_nativeCreate');

/**
 * Removes all key-value entries from the
 * hash.
 *
 * @private
 * @name clear
 * @memberOf Hash
 */
function hashClear() {
  this.__data__ = nativeCreate ? nativeCreate(null) : {};
  this.size = 0;
}

module.exports = hashClear;

var ctx = require('./_ctx');
var call = require('./_iter-call');
var isArrayIter = require('./_is-array-iter');
var anObject = require('./_an-object');
var toLength = require('./_to-length');
var getIterFn = require('./core.get-iterator-method');

exports.BREAK = BREAK;
exports.RETURN = RETURN;

// 7.1.13 ToObject(argument)
var defined = require('./_defined');
module.exports = function (it) {
  return Object(defined(it));
};

var baseFlatten = require('./_baseFlatten');

/**
 * Flattens `array` a single level deep.
 *
 * @static
 * @memberOf _
 *
 * @since 0.1.0
 * @category Array
 * @param {Array} array The array to flatten.
 * @returns {Array} Returns the new flattened array.
 * @example
 *
 * _.flatten([1, [2, [3, [4]]], 5]);
 * // => [1, 2, 3, 4, 5]
 */
function 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-social-sharing v2.3.3 
 * (c) 2017 nicolasbeauvais
 * Released under the MIT License.
 */
'use strict';

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) {
      return console.warn(("Network " + (context.props.network) + " does not exist"));
    }


return createElement(context.parent.networkTag, {
  staticClass: context.data.staticClass || null,
  staticStyle: context.data.staticStyle || null,
  class: context.data.class || null,
  style: context.data.style || null,
  attrs: {
    id: context.data.attrs.id || null,
    'data-link': network.type === 'popup' ? '#share-' + context.props.network
      : context.parent.createSharingUrl(context.props.network),
    'data-action': network.type === 'popup' ? null : network.action
  },
  on: {
    click: network.type === 'popup' ? function () {
      context.parent.share(context.props.network);
    } : function () {
      context.parent.touch(context.props.network);
    }
  }
}, context.children);

var email = {
  sharer: "mailto:?subject=@title&body=@url%0D%0A%0D%0A@description","type":"direct"};
var facebook = {
  sharer: "https://www.facebook.com/sharer.php?url=@url&title=@title&description=@description&quote =@quote","type":"popup"};
var googleplus = {
  sharer: "https://plus.google.com/share?url=@url","type":"popup"};
var line = {
  sharer: "http://line.me/R/msg/text/?@description%0D%0A%0D%0A@url","type":"popup"};
var linkedin = {
  sharer: "https://www.linkedin/shareArticle?mini=true&url=@url&title=@title&summary=@description",
  "type":"popup"};
var odnoklassniki = {
  sharer: "https://connect.ok.ru/dk?st.cmd=WidgetSharePreview&st.shareUrl=@url&st.comments=@description",
  "type":"popup"};
var pinterest = {
  sharer: "https://pinterest.com/pin/create/button/?url=@url&media=@media&description=@title","type":"popup"};
var reddit = {
  sharer: "https://www.reddit.com/submit?url=@url&title=@title","type":"popup"};
var skype = {
  sharer: "https://web.skype.com/share?url=description%0D%0A%0D%0A@url","type":"popup"};
var telegram = {
  sharer: "https://t.me/share/url?url=@url&text=description",
  "type":"popup"};
var twitter = {
  sharer: "https://twitter.com/intent/tweet?text=@title&url=@url&hashtags=@hashtags@twitteruser","type":"popup"};
var viber = {
  sharer: "viber://forward?text=@description%0D%0A@url","type":"direct"};
var weibo = {
  sharer: "http://service.weibo.com/share/share.php?url=@url&title=@title",
  "type":"popup"};
var whatsapp = {
  sharer: "whatsapp://send?text=@description%0D%0A@url","type":"direct","action":"share/whatsapp/share"};

var BaseNetworks = {
  email: email,
  facebook: facebook,
  googleplus: googleplus,
  line: line,
  linkedin: linkedin,
  odnoklassniki: odnoklassniki,
  pinterest: pinterest,
  reddit: reddit,
  skype: skype,
  telegram: telegram,
  twitter: twitter,
  viber: viber,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp,
  wechat: wechat,
  sms: sms
};

var SocialSharing = {
  prop: {
    url: {
      type: String,
      default: inBrowser ? window.location.href : ''
    },
    title: {
      type: String,
      default: ''
    },
    description: {
      type: String,
      default: ''
    },
    quote: {
      type: String,
      default: ''
    },
    hashtags: {
      type: String,
      default: ''
    },
    twitterUser: {
      type: String,
      default: ''
    },
    withCounts: {
      type: [String, Boolean],
      default: false
    },
    googleplusKey: {
      type: String,
      default: undefined
    },
    pinterestMediaURL: {
      type: String,
      default: undefined
    },
    networkTag: {
      type: String,
      default: 'span'
    },
    networks: {
      type: Object,
      default: function () {
        return {}
      }
    }
  }
};
var data: function data () {
  return {
    /**
     * Available sharing networks.
     * @param object
     */
    baseNetworks: BaseNetworks,

    /**
     * Popup settings.
     * @param object
     */
    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: {
      /**
       * Returns generated sharer url.
       * @param network Social network key.
       */
      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 : '');
      },

      /**
       * Shares URL in specified network.
       */
      share: function share (network) {
        this.openSharer(network, this.createSharingUrl(network));
      },

      /**
       * Opens sharer popup.
       * @param string url Url to share.
       */
      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();
          this.$root.$emit('social_shares_close', network, this.url);
          this.$emit('close', network, this.url);
        }

        this.popup.window = window.open(
          url,
          'sharer',
          'status=' + (this.popup.status ? 'yes' : 'no') +
          ',height=' + this.popup.height +
          ',width=' + this.popup.width +
          ',resizable=' + (this.popup.resizable ? 'yes' : 'no') +
          ',left=' + this.popup.left +
          ',top=' + this.popup.top +
          ',screenX=' + this.popup.left +
          ',screenY=' + this.popup.top +
          ',toolbar=' + (this.popup.toolbar ? 'yes' : 'no') +
          ',menubar=' + (this.popup.menubar ? 'yes' : 'no') +
          ',scrollbars=' +
          (this.popup.scrollbars ? 'yes' : 'no') +
          ',location=' + (this.popup.location ? 'yes' : 'no') +
          ',directories=' +
          (this.popupdirectories ? 'yes' : 'no') +
          ',this.popup.window.focus();
          // Create an interval to detect popup closing event
          clearInterval(this.popup-interval);
          this.$root.$emit('social_shares_close', network, this.url);
          this.$emit('close', network, this.url);
        }
      },

      /**
       * Merge base networks list with user's list
       */
      beforeMount: function beforeMount () {
        this.baseNetworks = Vue.util.extend(this.baseNetworks, this.networks);
      },

      /**
       * Sets popup default dimensions.
       */
      mounted: function mounted () {
        if (!inBrowser) {
          return;
        }

        // Center the popup on dual screens
        http://stackoverflow.com/questions/4068373/center-a-popup-window-on-screen/32261263
        var var$1 = this;
        if (this.popup.width & & this.popup.interval) {
          clearInterval(this.popup-interval);
          this.popup.window = window.open(
            url,
            'sharer',
            'status=' + (this.popup.status ? 'yes' : 'no') +
            ',height=' + this.popup.height +
            ',width=' + this.popup.width +
            ',resizable=' + (this.popup.resizable ? 'yes' : 'no') +
            ',left=' + this.popup.left +
            ',top=' + this.popup.top +
            ',screenX=' + this.popup.left +
            ',screenY=' + this.popup.top +
            ',toolbar=' + (this.popup.toolbar ? 'yes' : 'no') +
            ',menubar=' + (this.popup.menubar ? 'yes' : 'no') +
            ',scrollbars=' +
            (this.popupscrollbars ? 'yes' : 'no') +
            ',location=' + (this.popup.location ? 'yes' : 'no') +
            ',directories=' +
            (this.popupdirectories ? 'yes' : 'no') +
            ');
          this.popup.window.focus();
          // Create an interval to detect popup closing event
          clearInterval(this.popup-interval);
          this.$root.$emit('social_shares_close', network, this.url);
          this.$emit('close', network, this.url);
        }
      },

      SocialSharing.version = '2.3.3';
      SocialSharing.install = function (Vue) {
        Vue.component('social-sharing', SocialSharing);
      },

      if (typeof window !== 'undefined') {
        window.SocialSharing = SocialSharing;
      }
    }
  };
}


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perform(function () {
  var values = [];
  var index = 0;
  var remaining = 1;
  var forOf( iterable, false, function (promise) {
    var values = (function (value) { return [value]; })(value);
    var index = 0;
    var remaining = values.length;
    forOf( iterable, false, function (promise) {
      var $index = index++;
      var alreadyCalled = false;
      values.push(undefined);
      remaining++;
      resolve(values);
      if (result.e) reject(result.v);
      var value = promise.resolve().then(function (value) {
        if (alreadyCalled) return;
        alreadyCalled = true;
        values[$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 done = false;
  forOf( iterable, false, function (promise) {
    C.resolve(promise).then(capability.resolve, reject);
  });
  if (done) resolve(capability.promise);
  if (result.e) reject(result.v);
  return capability.promise;
}));
function(value, index, collection) {
    accumulator = initAccum
      ? (initAccum = false, value)
      : iteratee(accumulator, value, index, collection);
  }
  return accumulator;
}

module.exports = baseReduce;

** *

The base implementation of `_.flatten` with support for restricting flattening.

array The array to flatten.

* @param [Array] depth The maximum recursion depth.
* @param [boolean] predicate是否 strictly checks passed predicate checks.

var arrayPush = require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 * The base implementation of `_.flatten` with support for restricting flattening.
 *
 * @private
 * @param {Array} array The array to flatten.
 * @param {number} depth The maximum recursion depth.
 * @param {boolean} predicate是否 strictly checks passed predicate checks.
 * @param {Array} result The initial result value.
 * @returns {Array} Returns the new flattened array.
 */
function baseFlatten(array, depth, predicate, isStrict, result) {
  var index = -1,
      length = array.length;

  predicate || (predicate = isFlattenable);
  result || (result = []);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && predicate(value)) {
      if (depth > 1) {
        baseFlatten(value, depth - 1, predicate, isStrict, result);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}

module.exports = baseFlatten;

// native or passed
out = (own ? target : source)[key];

var global = require('./_global');
var core = require('./_core');
var hide = require('./_hide');
var redefine = require('./_redefine');
var ctx = require('./_ctx');
var PROTOTYPE = 'prototype';

var $export = function (type, name, source) {
  var IS_FORCED = type & $export.F;
  var IS_GLOBAL = type & $export.G;
  var IS_STATIC = type & $export.S;
  var IS_PROTO = type & $export.P;
  var IS_BIND = type & $export.B;
  var target = IS_GLOBAL
    ? global : IS_STATIC ? global[name] || (global[name] = {}) : (global[name] || {})[PROTOTYPE];
  var exports = IS_GLOBAL
    ? core : core[name] || (core[name] = {});
  var expProto = exports[PROTOTYPE] || (exports[PROTOTYPE] = {});
  var key, own, out, exp;
  if (IS_GLOBAL) source = name;
  for (key in source) {
    // contains in native
    own = !IS_FORCED && target && target[key] !== undefined;
    // export native or
done: safe = true;
    } ||
    exec(arr[0], arr[1], C);
}

// most Object methods by ES6 should accept primitives
$export = require('./_export');
var core = require('./_core');
var fails = require('./_fails');
module.exports = function (KEY, exec) {
  var fn = (core.Object || {})[KEY] || Object[KEY];
  var exp = {};
  exp[KEY] = function () { /* private */
    return fn.apply(this, arguments); // closure
  }
  $export(KEY, exp);
  return exp;
}

// Reversing flattening
var arrayPush = require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 * The base implementation of `_.flatten` with support for reversing flattening.
 *
 * @private
 * @param {Array} array The array to flatten.
 * @param {number} depth The maximum recursion depth.
 * @param {boolean} isStrict Whether to strictly check predicate passes.
 * @returns {Array} Returns the new flattened array.
 */
function reverseFlatten(array, depth, isStrict) {
  var index = -1,
      length = array.length;

  isStrict || (isStrict = false);
  var result = arrayPush([], length);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && isStrict) {
      if (depth > 1) {
        reverseFlatten(value, depth - 1, isStrict);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}

module.exports = reverseFlatten;

// Most Object methods by ES6 should accept primitives
$export = require('./_export');
var core = require('./_core');
var fails = require('./_fails');
module.exports = function (KEY, exec) {
  var fn = (core.Object || {})[KEY] || Object[KEY];
  var exp = {};
  exp[KEY] = function () { /* private */
    return fn.apply(this, arguments); // closure
  }
  $export(KEY, exp);
  return exp;
}
exec(fn);

var getNative = require('./_getNative');

"var nativeCreate = getNative(Object, 'create');

"var uid = require('./_uid');

"var module.exports = function (key) {
  return shared[key] || (shared[key] = uid(key));
};

"var getNative = require('./_getNative');

"var nativeCreate = getNative(Object, 'create');

"var module.exports = function (module) {
  if (module.webpackPolyfill) {
    module.deprecate = function () {};
    module.paths = [];
    module.parent = undefined;
    (!module.exports || module.exports.constructor) && 
kids = module.exports = function (module) {
      module.exports = module.exports || (module.exports = {});
      module.exports._ Waltz = function (key) {
        module.exports[key] = defaultExports[key];
      };
    };
  }

"var baseIsMatch = require('./_baseIsMatch'),
    getMatchData = require('./_getMatchData'),
    matchesStrictComparable = require('./_matchesStrictComparable');

"function getMatchData(source) {
  return matchesStrictComparable(matchData[0][0], matchData[0][1]);
}

"function baseGet(object, path) {
  var length = path.length;
  if (length > -1) {
    var current = object;
    for (var i = 0; i < length; i++) {
      var key = path[i];
      if (key !== undefined && typeof current === 'object' && current.hasOwnProperty(key)) {
        current = current[key];
      } else {
        return undefined;
      }
    }
    return current;
  }
}

"function arrayEvery(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length;
  while (++index < length) {
    if (!predicate(array[index], index, array)) {
      return false;
    }
  }
  return true;
}

"var isArray = Array.isArray;

"function assocIndexOf(object, path) {
  var pathIndex = -1;
  for (var key in object) {
    if (key === path[pathIndex]) {
      if (pathIndex < path.length - 1) {
        pathIndex++;
      } else {
        return key;
      }
    }
  }
  return undefined;
}

list cache 'key' to 'value'.

```javascript
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;
}

module.exports = listCacheSet;
```

```javascript
var listCacheDelete = require('./_listCacheDelete');

/**
 * Removes 'key' and its value from the list cache.
 *
 * @private
 * @name delete
 * @memberOf ListCache
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */
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;
}

module.exports = listCacheDelete;
```

```javascript
var arrayMap = require('./_arrayMap'),
    baseIteratee = require('./_baseIteratee'),
    baseMap = require('./_baseMap'),
    baseSortBy = require('./_baseSortBy'),
    baseUnary = require('./_baseUnary'),
    compareMultiple = require('./_compareMultiple'),
    identity = require('./_identity');

/**
 * The base implementation of `_.orderBy` without param guards.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function[]|Object[]|string[]} iteratees The iteratees to sort by.
 * @param {string[]} orders The sort orders of `iteratees`.
 * @returns {Array} Returns the new sorted array.
 */
function baseOrderBy(collection, iteratees, orders) {
  var index = -1;
  iteratees = arrayMap(iteratees.length ? iteratees : [identity],
    baseUnary(baseIteratee));

  var result = baseMap(collection, function(value, key, collection) {
    var criteria = arrayMap(iteratees, function(iteratee) {
      return iteratee(value);
    });
    return { 'criteria': criteria, 'index': ++index, 'value': value };
  });

  return baseSortBy(result, function(object, other) {
    return compareMultiple(object, other, orders);
  });
}

module.exports = baseOrderBy;
```

```javascript
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' && !isObject(val = fn.call(it))) return val;
  if (!S && typeof (fn = it.valueOf) == 'function' && !isObject(val = fn.call(it))) return val;
  throw TypeError("Can't convert object to primitive 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;
```
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;

function forEach(collection, iteratee) {
  var func = isArray(collection) ?
    arrayEach : baseEach;
  return func(collection, castFunction(iteratee));
}

module.exports = forEach;
properties on buffers.
   (isBuff && (key === 'offset' || key === 'parent')) ||
   (isType && (key === 'buffer' || key === 'byteLength' || key
   === 'byteOffset')) ||
   // Skip index properties.
   isIndex(key, length))
  ) {
    result.push(key);
  }
  return result;
}

module.exports = arrayLikeKeys;

var createBaseFor =
require('./_createBaseFor');

/**
 * The base implementation of `baseForOwn` which iterates over `object`'s
 * properties returned by `keysFunc` and invokes `iteratee` for each property.
 * Iteratee functions may exit iteration early by explicitly returning `false`.
 * `object` and `iteratee` are invoked with the `this` value and arguments of
 * the original function.
 */
var baseFor =
createBaseFor();

module.exports = baseFor;

/**
 * Creates a function that returns `value`.
 *
 * @static
 * @memberOf _
 * @since 2.4.0
 * @category Util
 * @param {*} value The value to return from the new
 * function.
 * @returns {Function} Returns the new constant function.
 * @example
 *
 * var objects =
 *   _.times(2, _.constant({ 'a': 1 }));
 *
 * console.log(objects);
 * // => [{ 'a': 1 }, { 'a': 1 }]
 *
 * console.log(objects[0] === objects[1]);
 * // => true
 */
function constant(value) {
  return function() {
    return value;
  };
}

module.exports = constant;

'use strict';
// 19.1.2.1 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 IObject = require('./_iobject');
var $assign = Object.assign;

// should work with symbols and should have deterministic property order (V8 bug)
module.exports = !$assign ||
require('./_fails')(function () {
  var A = {};
  var B = {};
  // eslint-disable-next-line no-undef
  var S = Symbol();
  var K = 'abcdefghijklmnopqrst';
  A[S] = 7;
  K.split('').forEach(function (k) { B[k] = k; });
  return $assign({}, A)[S] != 7 || Object.keys($assign({}, B)).join('') != K;
}) ? function assign(target, source) { // eslint-disable-line no-unused-vars
  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;

"use 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]',
    globalTag = '[object Global]',
    weakMapTag = '[object WeakMap]',
    weakSetTag = '[object WeakSet]',
    undefinedTag = '[object Undefined]';
```javascript
var funcTag = '[object Function]',
    mapTag = '[object Map]',
numberTag = '[object Number]',
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[uint32Tag] =

/**
 * 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)];
}

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.
 *
 * @example
 *
 * _.toString(null);
 * // => ''
 *
 * _.toString(-0);
 * // => '-0'
 *
 * _.toString([1, 2, 3]);
 * // => '1,2,3'
 */
function toString(value) {
  return value == null ? '' : baseToString(value);
}

module.exports = toString;

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global =
  typeof window != 'undefined' && window.Math == Math
  ? window
  // eslint-disable-next-line no-new-func
  : typeof self != 'undefined' && self.Math == Math
  ? self
  : Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-line no-undef

toInteger = require('./_to-integer');

module.exports = function (index, length) {
  index = toInteger(index);
  return
    index < 0 ? max(index + length, 0) : min(index, length);
};

arrayMap = function (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;
};

Map = getNative(root, 'Map');

module.exports = Map;

exec = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return true;
  }
};

module.exports = hashHas;

( function (global, factory) {
  typeof exports === 'object' && typeof
  module !== 'undefined' ? factory(exports, require('@fortawesome/fontawesome')) :
  typeof define === 'function' &&
  define.amd ? define(['exports', '@fortawesome/fontawesome'], factory) :
    define(['exports', '@fortawesome/fontawesome'], factory)
} ( this, function (exports, fontawesome) {

fontawesome = fontawesome && fontawesome.hasOwnProperty('default') ?
  fontawesome['default'] : fontawesome;

var
```
settle(type, value) { 
  switch (type) {
    case "return":
      front.resolve({
        value: value,
        done: true
      });
      break;
    case "throw":
      front.reject(value);
      break;
    default:
      front.resolve({
        value: value,
        done: false
      });
      break;
  }

  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) {
  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);
  }
};
}();

var defineProperty = function (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 _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 objectWithoutProperties = function (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;
};

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);
  }
};

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 combineClassObjects(objs);
}

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-
mapCacheDelete = require('./_mapCacheDelete');
mapCacheGet = require('./_mapCacheGet');
mapCacheHas = require('./_mapCacheHas');
mapCacheSet = require('./_mapCacheSet');

var MapCache = function(entries) {
  var index = -1,
      length = entries.length;

  while (++index < length) {
    var entry = entries[index];
    if (entry[0] === undefined) {
      index = length;
    } else {
      this.set(entry[0], entry[1]);
    }
  }
}

function MapCache() {
  this.clear();
}

MapCache.prototype.clear = function() {
  this.size = 0;
  this.__data__ = {
    'hash': new MapCache.prototype.hash,
    'map': new MapCache.prototype.map,
    'string': new Map Cache.prototype.string
  };
}

MapCache.prototype.set = function(key, value) {
  if (this.__data__['map'].hasOwnProperty(key)) {
    this.__data__['map'].set(key, value);
  } else {
    this.__data__['map'].set(key, value);
  }
}

MapCache.prototype.get = function(key) {
  return this.__data__['map'].get(key);
}

MapCache.prototype.has = function(key) {
  return this.__data__['map'].hasOwnProperty(key);
}

module.exports = MapCache;

var Stack = require('./_Stack'),
    equalArrays = require('./_equalArrays'),
    equalByTag = require('./_equalByTag'),
    isBuffer = require('./isBuffer'),
    isTypedArray = require('./isTypedArray');

/**
 * Creates a map cache object
 *
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to
 * @param {Object} [object] The Object to compare.
 */
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 = MapCache.prototype.clear;
MapCache.prototype['delete'] = MapCache.prototype['delete'];

module.exports = MapCache;

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`.
 */
function baseGetAllKeys(object, keysFunc, symbolsFunc) {
  var result = keysFunc(object);
  return isArray(object) ? result : arrayPush(result,
      symbolsFunc(object));
}

module.exports = baseGetAllKeys;

var 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 ListCache.prototype.hash,
    'map': new (Map || ListCache.prototype.map),
    'string': new ListCache.prototype.string
  };
}

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`.
 */
function baseGetAllKeys(object, keysFunc, symbolsFunc) {
  var result = keysFunc(object);
  return isArray(object) ? result : arrayPush(result,
      symbolsFunc(object));
}

module.exports = baseGetAllKeys;

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`.
 */
function baseGetAllKeys(object, keysFunc, symbolsFunc) {
  var result = keysFunc(object);
  return isArray(object) ? result : arrayPush(result,
      symbolsFunc(object));
}

module.exports = baseGetAllKeys;
stackClear = require('.//_stackClear'),
stackDelete = require('.//_stackDelete'),
stackGet = require('.//_stackGet'),
stackHas = require('.//_stackHas'),
stackSet = require('.//_stackSet');

/**
 * Creates a stack cache object to store key-value pairs.
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
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;

/**
 * A specialized version of `_.forEach` for arrays without support for iteratee shorthands.
 * @param {Array} [array] The array to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns `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;

/**
 * Gets the stack value for `key`.
 * @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;

var dP = require('./_object-dp').f;
var FProto = Function.prototype;
var nameRE = /^\s*function \([^\s]+\)\[\]$/;

// 19.2.4.2 name
NAME in FProto || require('./_descriptors') && dP(FProto,
  NAME, {
    configurable: true,
    get: function () {
      try {
        return ('' + this).match(nameRE)[1];
      } catch (e) {
        return '';
      }
    }
  });

```javascript
var promise = Promise.resolve(undefined);

notify = function () {
  var fn = notify;
  if (fn)
    return fn();

  fn = notify;
  var task = { fn: fn, next: undefined };
  if (last)
    last.next = task;
  if (!head)
    head = task;
  notify();
}

// for other environments - macrotask based on
// - setImmediate
// - MessageChannel
// - window.postMessage
// - onreadystatechange
else {
  notify = function () {
    promise.then(flush);
  }

  // for other environments - macrotask based on:
  // - setImmediate
  // - MessageChannel
  // - window.postMessage
  // - onreadystatechange
  // - setTimeout
  if (typeof global.setImmediate === 'function')
    notify = function () {
      setImmediate(flush);
    };
  else if (typeof global.MessageChannel === 'function')
    notify = function () {
      var channel = new MessageChannel();
      channel.port1.onmessage = function (e) {
        e.data() && flush(e.data);
      };
      channel.port2.postMessage(flush);
    };

  else if (typeof global.postMessage === 'function')
    notify = function () {
      global.postMessage(flush);
    };

  else if (typeof global.onreadystatechange === 'function')
    notify = function () {
      global.onreadystatechange(flush);
    };

  else if (typeof global.setTimeout === 'function')
    notify = function () {
      setTimeout(flush, 0);
    };

  else
    notify = function () {
      // strange IE + webpack dev server bug - use .call(global)
      macrotask.call(global, flush);
    };

  // for other environments - macrotask based on:
  // - setImmediate
  // - MessageChannel
  // - window.postMessage
  // - onreadystatechange
  // - setTimeout
  } else {
    notify = function () {
      // strange IE + webpack dev server bug - use .call(global)
      macrotask.call(global, flush);
    };
  }

  return function (fn) {
    var task = {
      fn: fn, // next: undefined };
    if (last)
      last.next = task;
    if (!head)
      head = task;
    notify();
  };
}

module.exports = { version: '2.5.7' };
if (typeof __e == 'number') __e = core; // eslint-disable-line no-undef
module.exports = {};

/**
 * A faster alternative to `Function#apply`, this function
 * invokes `func` with the `this` binding of `Arg` and the arguments of `args`.
 *
 * @private
 * @param {Function} func The function to invoke.
 * @param {Array|Object} args The arguments to invoke `func` with.
 * @returns {Array} Results the return of `func` with `null`.
 */
function apply(func, args) {
  switch (args.length) {
    case 0: return func.call(args[0] || this);
    case 1: return func.call(args[0], args[1]);
    case 2: return func.call(args[0], args[1], args[2]);
    case 3: return func.call(args[0], args[1], args[2], args[3]);
    default: return func.apply(args[0] || this, args);
  }
}

module.exports = apply;

var baseHasIn = require('./_baseHasIn'),
    hasPath = require('./_hasPath');

/**
 * Checks if `path` is a direct or inherited property of `object`.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category 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 = _.create({ 'a': _.create({ 'b': 2 }) });
 *
 * _.hasIn(object, 'a');
 * // => true
 *
 * _.hasIn(object, 'a.b');
 * // => true
 *
 * _.hasIn(object, ['a', 'b']);
 * // => true
 *
 * _.hasIn(object, 'b');
 * // => 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.
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 Object) ? Object.setPrototypeOf : function setPrototypeOf(O, proto) {
    check(O, proto);
    if (!proto)
      O.__proto__ = proto;
    else
      try {
        return dP(O, proto, Attributes);
      } catch (e) { /* empty */ }
    return O;
  },
  check: check
};
```

isNativeSafe;\n
if (typeof Symbol === 'function') {
    NativeSymbol = Symbol;
    try {
        var created = create(null);
        if (typeof Symbol === 'function') {
            NativeSymbol = Symbol;
            try {
                String(NativeSymbol());
                isNativeSafe = true;
            } catch (ignore) {
                NativeSymbol = null;
            }
        }
    } catch (ignore) { }
}

var generateName = (function () {
    var created = create(null);
    return function (desc) {
        var postfix = 0, name, ie11BugWorkaround;
        while (created[desc + (postfix || '')]++) {
            name = generateName(desc + (++postfix || ' '));
            if (created[desc]) {
                created[name] = desc;
                break;
            }
            desc += (postfix || '');
            created[desc] = true;
            name = '@@' + desc;
            defineProperty(objPrototype, name, d(gs(null, function (value) {
                return 'function (value) {
                    return ' + value.name + ';
                });
            }));
        }
        return name;
    }();

    // Internal constructor (not one exposed) for creating Symbol instances;\n    // This one is used to ensure that `someSymbol.instanceof Symbol` always return false\n    NativeSymbol = function Symbol(description) {
        if (this instanceof NativeSymbol) throw new TypeError('Symbol is not a
    constructor');\n    return NativeSymbolPolyfill(description);\n}

    // Exposed `Symbol` constructor\n    // (returns instances of NativeSymbol)\n    module.exports = SymbolPolyfill = function SymbolPolyfill(description) {
        var isNativeSafe = (typeof Symbol === 'function') ? true : false;
        if (isNativeSafe) return NativeSymbol(description);
    }

    var isArrayLike = require('./isArrayLike');

    /**
    * Creates a `baseEach` or `baseEachRight` function.
    * @private
    * @param
function eachFunc The function to iterate over a collection.

* @param {boolean} [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;
    }
    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;

var baseGetTag = require('./_baseGetTag'),
  isObject = require('./isObject');

/**
 * Checks if `value` is classified as a `Function` object.
 * @static
 * @memberOf *
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a function, else `false`.
 * @example
 *
 * _.isFunction(_);
 * // => true
 *
 * _.isFunction(/abc/);
 * // => false
 */
function isFunction(value) {
  if (!isObject(value)) {
    return false;
  }
  // The use of `Object#toString` avoids issues with the `typeof` operator
  // in Safari 9 which returns `object` for typed arrays and other constructors.
  var tag = baseGetTag(value);
  return tag == funcTag || tag == genTag || tag == asyncTag || tag == proxyTag;
}

module.exports = isFunction;

/**
 * Performs a `SameValueZero` comparison between two values to determine if they are
 * equivalent.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 * @example
 *
 * var object = { 'a': 1 };
 *
 * var other = { 'a': 1 };
 *
 * _.eq(object, object);
 * // => true
 *
 * _.eq(object, other);
 * // => false
 *
 * _.eq('a', 'a');
 * // => true
 *
 * _.eq('a', Object('a'));
 * // => false
 *
 * _.eq(NaN, NaN);
 * // => true
 */
function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

var Stack = require('./_Stack'),
    baseIsEqual = require('./_baseIsEqual');

/**
 * The base implementation of `_.isMatch` without support for iteratee shorthands.
 *
 * @private
 * @param {Object} object The object to inspect.
 * @param {Object} source The object of property values to match.
 * @param {Array} matchData The property names, values, and compare flags to match.
 * @param {Function} [customizer] The function to customize comparisons.
 * @returns {boolean} Returns `true` if `object` is a match, else `false`.
 */
function baseIsMatch(object, source, matchData, customizer) {
  var index = matchData.length,
      length = index,
      noCustomizer = !customizer;

  if (object == null) {
    return !length;
  }
  object = Object(object);
  while (++index < length) {
    var key = matchData[index],
        objValue = object[key],
        srcValue = source[key];

    if (noCustomizer && srcValue === undefined) {
      return !objValue;
    } else {
      var stack = new Stack;
      if (customizer) {
        var result = customizer(objValue, srcValue, key, object, source, stack);
        if (result !== undefined) {
          return result;
        }
      }
      var isMatched = baseIsEqual
        (objValue, srcValue, key, object, source, stack);
      if (!isMatched) {
        return false;
      }
    }
  }
  return true;
}

module.exports = baseIsMatch;

/*
 * Used to compose bitmasks for value comparisons.
 */

var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2;

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 `_.forIn` and `_.forOwn`. *\n* \n* @param {boolean} [fromRight] Specify iterating from right to left.* \n* @returns {Function} Returns the new base function.* \n* 
* Create function for methods like `_.forIn` and `_.forOwn`.* 
* 
* @private\n* @param {boolean} \[fromRight\] Specify iterating from right to left.* 
* @returns {Function} Returns the new base function.* 
*/
function createBaseFor(fromRight) {
  return function(object, iteratee, keysFunc) {
    var index = -1,\n        props = keysFunc(object),\n        length = props.length,\n        \n        \n        while (length--) { \n          var key = props[fromRight ? length : ++index];\n          if (iteratee(iterable[key], key, iterable) === false) { \n            break; \n          }\n        }
    return object;
  };
}

module.exports = createBaseFor;

```
var freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;

/** Detect free variable `module.exports`. */
var moduleExports = freeExports && freeModule.exports === freeExports;\n
/** Used in place of `this` binding for nodes.js` arguments object. */
var nodeExports = moduleExports && freeExports;\n
module.exports = nodeExports;
```

```
// 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; \n};
```
to compose bitmasks for value comparisons. */

var COMPARE_PARTIAL_FLAG = 1,
COMPARE_UNORDERED_FLAG = 2;

/**
 * A specialized version of `baseIsEqualDeep` for arrays with
 * partial deep comparisons.
 *
 * @private
 * @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.
 * @param {Object} stack Tracks traversed `array` and `other` objects.
 * @param {Function} equals Returns `true` if the arrays are equivalent, else
 * `false`.
 */
function arrayDeepEq(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

  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;
    }
    // Recursively compare arrays
    (susceptible to call stack limits).
    if (seen) {
      if (!arraySome(other, function(othValue, othIndex) {
            if (!cacheHas(seen, othIndex) &&
                (arrValue === othValue || equalFunc(arrValue, othValue, bitmask,
                customizer, stack))) {
              return seen.push(othIndex);
            }
          })) {
        result = false;
        break;
      }
    } else if (!(!arrValue && arrValue === othValue ||
        arrValue, equalFunc(othValue, value, bitmask,
        customizer, stack))
      ) { result = false;
      break;
    }
  }
  stack['delete'](array);
  stack['delete'](other);
  return result;
}

module.exports = arrayDeepEq;

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-
ws')('replace', 2, function (defined, REPLACE, $replace) {
  // 21.1.3.14 String.prototype.replace(searchValue,
  // Returns
  // `func`. 
  var baseSetToString = defineProperty
      (func, 'toString', {
      'configurable': true,
      'enumerable': false,
      'value': constant(string),
      'writable': true
    });
    var fn = searchValue == undefined ? undefined : searchValue[REPLACE];
    return fn !== undefined
      ? fn.call(searchValue, O, replaceValue)
      : $replace.call(String(O), searchValue, replaceValue);

});

var $export = require('./_export');
var defined = require('./_defined');
var fails = require('./_fails');
var $export = require('./_string-ws');

function aFunction(require, $export) {
  var aFunction = require('/a-function');
  function PromiseCapability(C) {
    var fn = undefined
      || $export('PromiseCapability');
    return fn !== undefined
      ? fn.call(Promise, C, function(Value)
      return functionPromiseCapability();
    : $export('PromiseCapability');
  }
for more details.

* @param {Function} customizer The function to customize comparisons.

  * @param {Function} equalFunc The function to determine equivalents of values.

  * @param {Function} stack Tracks traversed `object` and `other` objects.

* @returns {boolean} Returns `true` if the objects are equivalent, else `false`.

  * `equalObjects(object, other, bitmask, customizer, equalFunc, stack) {

    var isPartial = bitmask & COMPARE_PARTIAL_FLAG,
    objProps = getAllKeys(object),
    objLength = objProps.length;

    if (objLength != otherLength && 
        isPartial) {
      return false;
    }

    var index = objLength;
    while (index--) {
      var key = objProps[index];
      if (!(isPartial ?
          key in other : hasOwnProperty.call(other, key))) {
        return false;
      }
    }

    var stacked = stack.get(object);
    if (stacked && stack.get(other)) {
      return stacked == other;
    }

    var result = true;
    stack.set(object, other);
    stack.set(other, object);

    var skipCtor = isPartial;

    while (++index < objLength) {
      var key = objProps[index];
      var objValue = object[key],
      othValue = other[key];

      if (customizer) {
        var compared = isPartial
          ? customizer(othValue, objValue, key, other, object, stack)
          : customizer(objValue, othValue, key, object, other, stack);

        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) &&
          !
          (typeof objCtor == 'function' &&
          !objCtor instanceof objCtor) &&
          !
          (typeof othCtor == 'function' &&
          !othCtor instanceof othCtor)) {
        return false;
      }
    }

    return result;
  }

  */

  module.exports = equalObjects;

  */

  /**
   * Checks if `value` is a valid array-like length.
   *
   * **Note:** This method is loosely based on `Object.keys`.
   *
   * @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(NaN);
   * // => false
   *
   * _.isLength('3');
   * // => false
   */

  function isLength(value) {
    return typeof value == 'number' &&
    value > -1 && value % 1 == 0 && value <= MAX_SAFE_INTEGER;
  }

  module.exports = isLength;

  */

});

})(this, function() {

**!/**

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```javascript

// create a fake namespace object

__webpack_require__.t = function(value, mode) {
    if(mode & 1) value = __webpack_require__(value);
    if(mode & 8) return value;
    if((mode & 4) && typeof value === 'object' && value && value.__esModule) return value;
    var ns = Object.create(null);
    __webpack_require__.r(ns);
    ns['default'] = value;
    if(mode & 2 && typeof value != 'string') for(var key in value) __webpack_require__.d(ns, key, function(key) { return value[key]; }, false);
    return ns;
}

getTimezoneOffset: 0, __webpack_require__: 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; }
    ...
```

```javascript

/**
 * 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 {String|HTMLElement|HTMLCollection|NodeList} trigger
     * @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
     */
    return _possibleConstructorReturn(this, (Clipboard.__proto__ || Object.getPrototypeOf(Clipboard)).call(this));
```

```javascript

Object.prototype.hasOwnProperty.call

__webpack_require__.o = function(object, property) { return Object.prototype.hasOwnProperty.call(object, property); }

// __webpack_public_path__

__webpack_require__.p = "";

/************************************************************************/

```
```
attributes would be resolved using internal setter functions or custom functions that were passed in the constructor.

* @param {Object} options
* @return {Object}

 wxDefaultClass(Clipboard, {key: 'resolveOptions', value: function resolveOptions() {
  var options = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  this.action = typeof options.action === 'function' ? options.action : this.defaultAction;
  this.target = typeof options.target === 'function' ? options.target : this.defaultTarget;
  this.text = typeof options.text === 'function' ? options.text : this.defaultText;
  this.container = typeof(options.container) === 'object' ? options.container : document.body;
}} */

* Adds a click event listener to the passed trigger.

* @param {String|HTML.Element|HTML.Collection|NodeList} trigger
* @param {Object} options
* @return {Object}

.defineProperty(target, 'isSupported', {
  enumerable: true,
  get: function isSupported() {
    var action = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
    this.action = typeof options.action === 'function' ? options.action : this.defaultAction;
    this.target = typeof options.target === 'function' ? options.target : this.defaultTarget;
    this.text = typeof options.text === 'function' ? options.text : this.defaultText;
    this.container = typeof(options.container) === 'object' ? options.container : document.body;
  }
},

defineProperties(target, {key: 'isSupported', value: function isSupported() {
  var action = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  this.action = typeof options.action === 'function' ? options.action : this.defaultAction;
  this.target = typeof options.target === 'function' ? options.target : this.defaultTarget;
  this.text = typeof options.text === 'function' ? options.text : this.defaultText;
  this.container = typeof(options.container) === 'object' ? options.container : document.body;
})});

return Clipboard;

}(_tinyEmitter2.default);
properties and then executes copy or cut operations.\n */\nvar ClipboardAction = function () {\n /**\n *
@param {Object} options\n */\n function ClipboardAction(options) {\n
_classCallCheck(this,
ClipboardAction);\n\n
this.resolveOptions(options);\n
this.initSelection();\n }\n\n /**\n * Defines
base properties passed from constructor.\n * @param {Object} options\n */\n\n\n
_createClass(ClipboardAction, [{\n
key: 'resolveOptions',\n
value: function resolveOptions() {\n
var
options = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};\n\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\n
this.selectedText
= '';\n
}\n\n
/**\n
* Decides which selection strategy is going to be applied based\n
* on the
existence of `text` and `target` properties.\n
*/\n\n }, {\n
key: 'initSelection',\n
value: function
initSelection() {\n
if (this.text) {\n
this.selectFake();\n
} else if (this.target) {\n
this.selectTarget();\n
}\n
}\n\n
/**\n
* Creates a fake textarea element, sets its value from `text`
property,\n
* and makes a selection on it.\n
*/\n\n }, {\n
key: 'selectFake',\n
value: function
selectFake() {\n
var _this = this;\n\n
var isRTL = document.documentElement.getAttribute('dir') ==
'rtl';\n\n
this.removeFake();\n\n
this.fakeHandlerCallback = function () {\n
return
_this.removeFake();\n
};\n
this.fakeHandler = this.container.addEventListener('click',
this.fakeHandlerCallback) || true;\n\n
this.fakeElem = document.createElement('textarea');\n
// Prevent
zooming on iOS\n
this.fakeElem.style.fontSize = '12pt';\n
// Reset box model\n
this.fakeElem.style.border = '0';\n
this.fakeElem.style.padding = '0';\n
this.fakeElem.style.margin =
'0';\n
// Move element out of screen horizontally\n
this.fakeElem.style.position = 'absolute';\n
this.fakeElem.style[isRTL ? 'right' : 'left'] = '-9999px';\n
// Move element to the same position vertically\n
var yPosition = window.pageYOffset || document.documentElement.scrollTop;\n
this.fakeElem.style.top =
yPosition + 'px';\n\n
this.fakeElem.setAttribute('readonly', '');\n
this.fakeElem.value = this.text;\n\n
this.container.appendChild(this.fakeElem);\n\n
this.selectedText = (0, _select2.default)(this.fakeElem);\n
this.copyText();\n
}\n\n
/**\n
* Only removes the fake element after another click event, that
way\n
* a user can hit `Ctrl+C` to copy because selection still exists.\n
*/\n\n }, {\n
key:
'removeFake',\n
value: function removeFake() {\n
if (this.fakeHandler) {\n
this.container.removeEventListener('click', this.fakeHandlerCallback);\n
this.fakeHandler = null;\n
this.fakeHandlerCallback = null;\n
}\n\n
if (this.fakeElem) {\n
this.container.removeChild(this.fakeElem);\n
this.fakeElem = null;\n
}\n
}\n\n
/**\n
*
Selects the content from element passed on `target` property.\n
*/\n\n }, {\n
key: 'selectTarget',\n
value: function selectTarget() {\n
this.selectedText = (0, _select2.default)(this.target);\n
this.copyText();\n
}\n\n
/**\n
* Executes the copy operation based on the current selection.\n
*/\n\n }, {\n
key: 'copyText',\n
value: function copyText() {\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
/**\n
* Fires an event based on the
copy operation result.\n
* @param {Boolean} succeeded\n
*/\n\n }, {\n
key: 'handleResult',\n
value: function handleResult(succeeded) {\n
this.emitter.emit(succeeded ? 'success' : 'error', {\n
action: this.action,\n
text: this.selectedText,\n
trigger: this.trigger,\n
clearSelection:
this.clearSelection.bind(this)\n
});\n
}\n\n
/**\n
* Moves focus away from `target` and back to
the trigger, removes current selection.\n
*/\n\n }, {\n
key: 'clearSelection',\n
value: function
clearSelection() {\n
if (this.trigger) {\n
this.trigger.focus();\n
}\n\n
window.getSelection().removeAllRanges();\n
}\n\n
/**\n
* Sets the `action` to be performed which
can be either 'copy' or 'cut'.\n
* @param {String} action\n
*/\n\n }, {\n
key: 'destroy',\n\n\n
/**\n
* Destroy lifecycle.\n
*/\n
value: function destroy() {\n
this.removeFake();\n
}\n },
{\n
key: 'action',\n
set: function set() {\n
var action = arguments.length > 0 && arguments[0] !==
undefined ? arguments[0] : 'copy';\n\n
this._action = action;\n\n
if (this._action !== 'copy' &&
this._action !== 'cut') {\n
throw new Error('Invalid \"action\" value, use either \"copy\" or \"cut\"');\n

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Add an event listener to a HTML element and returns a remove listener function.

```javascript
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;
```

```javascript
/**
 * Check if argument is a HTML element.
 *
 * @param value
 * @return {Boolean}
 */
exports.node = function(value) {
    return value !== undefined
        && value.nodeType === 1;
}

/**
 * Check if argument is a list of HTML elements.
 *
 * @param 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)
        && ('length' in value)
        && (value[0] === undefined)
        && value.nodeType === 1;
}

/**
 * Check if argument is a function.
 *
 * @param value
 * @return {Boolean}
 */
exports.fn = function(value) {
    var type = Object.prototype.toString.call(value);

    return type === '[object Function]';
};
```

```javascript
var closest = document.querySelector;

/**
 * Delegates event to a selector.
 *
 * @param element
 * @param selector
 * @param type
 * @param callback
 * @param 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 elements
 * @param selector
 * @param type
 * @param callback
 * @param 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`
        return _delegate.bind(null, document).apply(null, arguments);
    }

    // Handle Selector-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
 * @param selector
 * @param type
 * @param callback
 * @param 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);
        }
    }
}
```

```javascript
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.webkitMatchesSelector;
}

/**
 * Finds the closest parent
 */
```

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that matches a selector.

```javascript
function closest (element, selector) {
    while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
        if (typeof element.matches === 'function' &&
            element.matches(selector)) {
            return element;
        }
        element = element.parentNode;
    }
}
```

The `closest` function is defined using a `while` loop that iterates through the possible ancestors of an element until it finds one that matches the given selector. The loop continues as long as the element is neither `null` nor a `Document` object, checking if the `matches` method exists on the element and if it returns `true` for the given selector. The first `true`-returning child is returned.

**Example Usage**

```javascript
var result = closest(container, '.my-class');
```

This code snippet demonstrates how to find a `div` element with the class `my-class` inside a parent `container`.

---

**Further Information**

- The `matches` method is described in the MDN Web Docs for `Element`.
- For more details on traversing the DOM, refer to the MDN Web Docs on the `while` loop and the `Document` object.

---

**Source Code**

- The `closest` function is part of the `lodash` library, which is an open-source JavaScript utility library.
- The library is often used in client-side JavaScript for its utility methods for common tasks.

---

**Conclusion**

Using `closest` can simplify the process of finding elements in the DOM, especially when working with CSS selectors. It's a powerful tool for developers working with JavaScript and HTML, offering a straightforward way to achieve the same effect as using `querySelector` or `querySelectorAll` with CSS selectors, without the need for browser-specific polyfills.
(Object) [stack] Tracks traversed `value` and `other` objects.

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, basesEqual, stack);
}

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome -
 * 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) {}

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 PERFORMANCE = _PERFORMANCE;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function' && typeof DOCUMENT.createElement === 'function';
var IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');
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 DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';
var DATA_ICON = 'data-icon';
var HTML_CLASS_I2SVG_BASE_CLASS = 'fontawesome-i2svg';
var TAGNAMES_TO_SKIP_FOR_PSEUDELEMENTS = ['HTML', 'HEAD', 'STYLE', 'SCRIPT'];

var Object = function Object() {
    if (typeof this !== 'function') throw new TypeError('Cannot call a class as a function');
    var Ctor = this;
    var protoProps, staticProps, _instanceConfig, _newSymbol; // private
    var _instancePool, _newTarget = null; // private
    return Ctor;
  };

var _extends = Object.assign ||
function _extends(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 _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 slicedToArray = function () {
  function sliceIterator(arr, i) {
    var _arr = [];
    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) {
      if (_d) throw err;
      _e = err;
    } finally {
      try {
        if (_n && _s['return']) _s['return'](_i);
      } finally {
        if (_d) throw _e
      }
    }
    return _arr;
  }

  return function (arr, i) {
    if (Array.isArray(arr)) {
      for (var _i = 0; _i < arr.length; _i++)
        arr[_i] = arr[_i];
    }
    if (Symbol.iterator in Object(arr)) {
      for (var _i = 0; _i < arr.length; _i++)
        arr[_i] = arr[_i];
    }
    return arr;
  };

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;
  }
  return 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); 

var namespace = WINDOW.FontAwesomeConfig;

domready(function() { 
  insertCss('*/
    .fa{
      width: 1em;
      height: 1em;
      padding: 0.1em;
    }
  */');
}

var meaningTransform = {
  size: 16,
  x: 0,
  y: 0,
  rotate: 0,
  flipX: false,
  flipY: false
};
function fastReduceObject(subject, fn, initialValue, thisContext) {
  var keys = Object.keys(subject),
      length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn, thisContext) : fn,
      i, key, result;

  if (initialValue === undefined) {
    i = 1;
    result = subject[keys[0]];

    Object.keys(subject),
      length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn, thisContext) : fn,
      i, key, result;

  if (initialValue === undefined) {
    i = 1;
    result = subject[keys[0]];

    // Construction of the final result.
    var result = initialValue;

    // Iteration over the keys.
    for (i = 1; i < length; i++) {
      key = keys[i];
      result = reduce.call(iterator, result, fn(result, subject[key], key), i, length);
    }

    // Return the final result.
    return result;
  }

  // Construction of the initial value.
  var initialResult = (initialValue || subject[keys[0]]);

  // Iteration over the keys.
  for (i = 1; i < length; i++) {
    key = keys[i];
    initialResult = reduce.call(iterator, initialResult, fn(initialResult, subject[key], key), i, length);
  }

  // Return the initial value.
  return initialResult;
}

/**
 * # Reduce
 *
 * A fast object `.reduce()`
 * operation.
 *
 * @param  {Object}   thisContext  The context for the reducer.
 * @return {mixed}                 The final result.
 * @param  {mixed}    initialValue The initial value for the reducer, defaults to subject[0].
 * @param  {Function} fn
 *                      The function to apply to each value in subject.
 * @param  {Object}   extra
 *                    Extra arguments to pass to fn.
 */

var reduce = function fastReduceObject(subject, fn, initialValue, thisContext, extra) {
  return reduce.call(thisContext, subject, fn, initialValue, thisContext, extra);
}
```javascript
function build() {
  var lookup = function lookup(reducer) {
    return reduce(styles$2, function (o, style, prefix) {
      // Handle styles that are not part of the prefix
      // e.g. `far` and `fas`.
      if (prefix === 'far' && hasRegular) {
        prefix = 'fas';
      }
      // If the `iconName` is not defined, return the `prefix`.
      if (iconName) {
        o[iconName] = reducer(o, style, prefix);
      } else {
        o = preferences.reduce(style, function (o, key) {
          o[key] = reducer(o, style[key], key); // Handle `keys`.
        }, {});
      }
      return o;
    }, {});
  }
  // Convert `keys` to `keys`.
  for (var i = 0; i < length; i++) {
    var key = keys[i];
    result = lookup(result, subject[key], key, subject);
  }
  return result;
}

var styles$2 = namespace.styles;
var shims = 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) {
      // Handle styles that are not part of the prefix
      // e.g. `far` and `fas`.
      if (prefix === 'far' && hasRegular) {
        prefix = 'fas';
      }
      // If the `iconName` is not defined, return the `prefix`.
      if (iconName) {
        o[iconName] = reducer(o, style, prefix);
      } else {
        o = preferences.reduce(style, function (o, key) {
          o[key] = reducer(o, style[key], key); // Handle `keys`.
        }, {});
      }
      return o;
    }, {});
  }
  // Convert `keys` to `keys`.
  for (var i = 0; i < length; i++) {
    var key = keys[i];
    result = lookup(result, subject[key], key, subject);
  }
  return result;
};

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 `cls` is not defined, return the `prefix`.
    if (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);
    } else if (config.autoReplaceSvg === true) {
      var oldName = shim[0];
      var prefix = shim[1];
      var iconName = shim[2];
      var ligatures = shim[3];
      acc[oldName] = { prefix: prefix, iconName: iconName };
      ligatures.forEach(function (ligature) {
        acc[ligature] = iconName;
      });
    }
    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$attrib,
      _abstractNodes$children =
        abstractNodes.children,
      children = _abstractNodes$children === undefined ? [] : _abstractNodes$children;
  // If `abstractNodes` is not defined, return the `prefix`.
  if (typeof abstractNodes === 'string') {
    return htmlEscape(abstractNodes);
  }
  // If `abstractNodes` is not defined, return the `prefix`.
  else if (abstractNodes === undefined) {
    return '<' + tag + ' ' + joinAttributes(attributes) + '>' + children.map(toHtml).join('') + '</' + tag + '>
  }
}
```

---

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mutator = getMutator();
var mark = perf.begin('mutate');

mutations.map(mutator);

mark();

callbackFunction();

function disableObservation(operation) {
  disabled = true;
  operation();
  disabled = false;
}

function observe(options) {
  if (config.observeMutations) {
    var nodeCallback = options.nodeCallback;
    var pseudoElementsCallback = options.pseudoElementsCallback;
    var _options$observeMutat = options.observeMutationsRoot;

    observeMutationsRoot = _options$observeMutat === undefined ? DOCUMENT.body : _options$observeMutat;

    var mo = new MUTATION_OBSERVER(function (objects) {
      if (disabled)
        return;

      toArray(objects).forEach(function (mutationRecord) {
        if (mutationRecord.type === 'childList' && !isWatched(mutationRecord.addedNodes.length > 0))
          if (config.searchPseudoElements)
            pseudoElementsCallback(mutationRecord.target);

        nodeCallback(mutationRecord.target);
      });
    });

    if (!IS_DOM) return;

    mo.observe(observeMutationsRoot, {
      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;
    }

    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');
    return mask ? getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    })) : 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;
  }

  MissingIcon.prototype = Object.create(Error.prototype);
  MissingIcon.prototype.constructor = MissingIcon;

  var FILL = { fill: 'currentColor' };
  var ANIMATION_BASE = {
    attributeType: 'XML',
    repeatCount: 'indefinite',
    dur: '2s'
  };
FONT_WEIGHT_TO_PREFIX = { '900': 'fas', '400': 'far', '300': 'fal' };

function findIcon(iconName, prefix) {
  var val = {
    found: false,
    width: 512,
    height: 512,
    icon: missing
  };
  if (iconName && 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] } }
    };
  } else if (iconName && prefix && !config.showMissingIcons) {
    throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with name ' + iconName);
  }
  return val;
}

function generateSvgReplacementMutation(node, nodeMeta) {
  var iconName = nodeMeta.iconName,
      title = nodeMeta.title,
      transform = nodeMeta.transform,
      symbol = nodeMeta.symbol,
      mask = nodeMeta.mask,
      extra = nodeMeta.extra;
  var abstract = makeInlineSvgAbstract({
    icons: {
      main: findIcon(iconName, prefix),
      mask: findIcon(mask.iconName, mask.prefix)
    },
    prefix: prefix,
    iconName: iconName,
    transform: transform,
    symbol: symbol,
    mask: mask,
    title: title,
    extra: extra,
    watchable: true
  });

  return generateMutation(node, nodeMeta);
}

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 generateMutation(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);
        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 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(fortionFamily[1]) ? STYLE_TO_PREFIX[fortonFamily[1]] : FONT_WEIGHT_TO_PREFIX[fontWeight];
          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.setAttribute(DATA_PREFIX, prefix);
        }
      });
      var abstract = makeInlineSvgAbstract({
        icons: [{
          main: findIcon(iconName,
        }]
      });
      generateLayersText(node, nodeMeta);
      generateSvgReplacementMutation(node, nodeMeta);
  });
  perf.end(end);
DOCUMENT.createElement('svg');

if (pos === ':before') {
  node.insertBefore(element, node.firstChild);
} else {
  node.appendChild(element);
}

element.outerHTML = abstract.map(function (a) {
  return toHtml(a);
}).join('\n');

document.documentElement.classList = DOCUMENT.documentElement.classList;

var hclAdd = function hclAdd(suffix) {
  return htmlClassList.add(HTML_CLASS_12SVG_BASE_CLASS + '+' + suffix);
};

var hclRemove = function hclRemove(suffix) {
  return htmlClassList.remove(HTML_CLASS_12SVG_BASE_CLASS + '+' + suffix);
};

var prefixes = Object.keys(styles);
var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not([\' + DATA_FA_12SVG + '\]);\n];

var candidates = candidates.reduce(function (acc, node) {
  try {
    var mutation = generateMutation(node);
  } catch (e) {
    if (PRODUCTION)
      console.error(e);
    return;
  }

  if (mutation)
    acc.push(mutation);
  } catch (e) {
    if (!PRODUCTION)
      console.error(e);
    return;
  }

  mark();

  perform(mutations, callback);
}

function onNode(node) {
  if (IS_DOM) return;

  var htmlClassList = documentElement.classList;

  var hclAdd = function hclAdd(suffix) {
    return htmlClassList.add(HTML_CLASS_12SVG_BASE_CLASS + '+' + suffix);
  }

  var hclRemove = function hclRemove(suffix) {
    return htmlClassList.remove(HTML_CLASS_12SVG_BASE_CLASS + '+' + suffix);
  }

  var prefixes = Object.keys(styles);
  var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not([\' + DATA_FA_12SVG + '\]);\n];

  var candidates = candidates.reduce(function (acc, node) {
    try {
      var mutation = generateMutation(node);
    } catch (e) {
      if (PRODUCTION)
        console.error(e);
      return;
    }

    if (mutation)
      acc.push(mutation);
    } catch (e) {
      if (!PRODUCTION)
        console.error(e);
      return;
    }

    mark();

    perform(mutations, callback);
}
namespace.hooks.addPack === 'function') {
    namespace.hooks.addPack(prefix, normalized);
  } else {
    namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, normalized);
  }

  /**
   * 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 easy the upgrade process for our users by
   * automatically defining
   * this as well.
   */
  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] || {}, additions[key]);
        define(key, additions[key]);
        build();
      });
    }
  }, {
    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] = icon;
      });

      return Library;
    })();

  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] } }
  };
}

function ensureCss() {
  if (config.autoAddCss && !_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 ? maybeIconDefinition : findIconDefinition(maybeIconDefinition || {});

    var mask = params.mask;

    if (mask) {
      mask = (mask || {}).icon ? findIconDefinition(mask || {}) : undefined;
    }

    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 dom = {
  i2svg: function i2svg() {
    var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

    if (IS_DOM) {
      ensureCss();

      var _params$node = params.node, _params$callback = params.callback,
      callback = _params$callback === undefined ? function () {} : _params$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 params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

    if (IS_DOM) {
      ensureCss();

      var _params$node = params.node, _params$callback = params.callback;
      callback = _params$callback === undefined ? function () {} : _params$callback;

      if (config.searchPseudoElements) {
        searchPseudoElements(node);
      }

      onTree(node, callback);
    }
  }
};

var parse = {
  transform: function transform(transformString) { ... }}

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'@fortawesome/vue-fontawesome'
export { library } from '@fortawesome/fontawesome-svg-core'
export default

/**
 * Used as references for various `Number` constants.
 */
var MAX_SAFE_INTEGER = 9007199254740991;

/**
 * Checks if `value` is a valid array-like index.
 */

var baseSetToString = require('./_baseSetToString'),
    shortOut = require('./_shortOut');

/**
 * Sets the `toString` method of `func` to return `string`.
 */
var setToString = shortOut(baseSetToString);

module.exports = setToString;

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 value returned from the previous one.
 *
 * Many lodash methods are guarded to work as iteratees for methods like
 * `_.reduce`, `_.reduceRight`, and `_.transform`.
 *
 * The guarded methods are:
 * `assign`, `defaults`, `defaultsDeep`,
 * `includes`, `merge`, `orderBy`, and `sortBy`
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} [accumulator] The accumulated result of running `iteratee`
 * which is given as the third argument.
 * @returns {*} Returns the accumulated value.
 * @see _.reduceRight
 * @example
 *
 * _.reduce([1, 2], function(sum, n) {
 *   return sum + n;
 * }, 0);
 */
function reduce(collection, iteratee, accumulator) {
  var index = -1,
      length = collection == null ? 0 : collection.length;
  if (length) {
    var data
        , name
        , value
        , result
        , prevValue
        , iterateeName
        , key
  }

  return result
}
function isArray(collection) { return collection && typeof collection.length === 'number'; }
'fontawesome-i2svg';\n\nvar PRODUCTION = function () {\n try {\n return process.env.NODE_ENV ===
'production';\n } catch (e) {\n return false;\n }\n}();\n\nvar oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];\nvar
oneToTwenty = oneToTen.concat([11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);\n\nvar
ATTRIBUTES_WATCHED_FOR_MUTATION = ['class', 'data-prefix', 'data-icon', 'data-fa-transform', 'data-famask'];\n\nvar 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) {\n return n +
'x';\n})).concat(oneToTwenty.map(function (n) {\n return 'w-' + n;\n}));\n\nvar classCallCheck = function (instance,
Constructor) {\n if (!(instance instanceof Constructor)) {\n throw new TypeError(\"Cannot call a class as a
function\");\n }\n};\n\nvar createClass = function () {\n function defineProperties(target, props) {\n for (var i = 0;
i < props.length; i++) {\n
var descriptor = props[i];\n
descriptor.enumerable = descriptor.enumerable || false;\n
descriptor.configurable = true;\n
if (\"value\" in descriptor) descriptor.writable = true;\n
Object.defineProperty(target, descriptor.key, descriptor);\n }\n }\n\n return function (Constructor, protoProps,
staticProps) {\n if (protoProps) defineProperties(Constructor.prototype, protoProps);\n if (staticProps)
defineProperties(Constructor, staticProps);\n return Constructor;\n };\n}();\n\n\n\nvar _extends = Object.assign ||
function (target) {\n for (var i = 1; i < arguments.length; i++) {\n var source = arguments[i];\n\n for (var key in
source) {\n
if (Object.prototype.hasOwnProperty.call(source, key)) {\n
target[key] = source[key];\n
}\n
}\n }\n\n return target;\n};\n\n\n\nvar toConsumableArray = function (arr) {\n if (Array.isArray(arr)) {\n for (var
i = 0, arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i];\n\n return arr2;\n } else {\n return
Array.from(arr);\n }\n};\n\nvar initial = WINDOW.FontAwesomeConfig || {};\nvar initialKeys =
Object.keys(initial);\n\nvar _default = _extends({\n familyPrefix: DEFAULT_FAMILY_PREFIX,\n
replacementClass: DEFAULT_REPLACEMENT_CLASS,\n autoReplaceSvg: true,\n autoAddCss: true,\n
autoA11y: true,\n searchPseudoElements: false,\n observeMutations: true,\n keepOriginalSource: true,\n
measurePerformance: false,\n showMissingIcons: true\n}, initial);\n\nif (!_default.autoReplaceSvg)
_default.observeMutations = false;\n\nvar config$1 = _extends({}, _default);\n\nWINDOW.FontAwesomeConfig =
config$1;\n\nfunction update(newConfig) {\n var params = arguments.length > 1 && arguments[1] !== undefined ?
arguments[1] : {};\n var _params$asNewDefault = params.asNewDefault,\n
asNewDefault =
_params$asNewDefault === undefined ? false : _params$asNewDefault;\n\n var validKeys =
Object.keys(config$1);\n var ok = asNewDefault ? function (k) {\n return ~validKeys.indexOf(k) &&
!~initialKeys.indexOf(k);\n } : function (k) {\n return ~validKeys.indexOf(k);\n };\n\n
Object.keys(newConfig).forEach(function (configKey) {\n if (ok(configKey)) config$1[configKey] =
newConfig[configKey];\n });\n}\n\nfunction auto(value) {\n update({\n autoReplaceSvg: value,\n
observeMutations: value\n });\n}\n\nvar w = WINDOW || {};\n\nif (!w[NAMESPACE_IDENTIFIER])
w[NAMESPACE_IDENTIFIER] = {};\nif (!w[NAMESPACE_IDENTIFIER].styles)
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 =

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null; for (var i = headChildren.length - 1; i > -1; i--) { 
  var child = headChildren[i];
  var tagName = (child.tagName || "")
    .toLowerCase();
  if (["STYLE", "LINK"].indexOf(tagName) > -1) {
    var element = child;
  } else {
    var doc = element.ownerDocument;
    var array = [ ];
    var array[i] = obj[i];
    var element = doc.createElement(node);
    var array = array || [ ];
    var value = array[i];
  }
}

function nextUniqueId() {
  _uniqueId++;
  return _uniqueId;
}

function transformForCss(_ref) {
  var transform = _ref.transform,
      _ref$width = _ref.width,
      width = 
      _ref$height = _ref.height,
      height = 
      _ref$startCentered = _ref.startCentered;

  var val = '';

  if (!startCentered && IS_IE) {
    val += 'translate(' + (transform.x / d - width / 2) + 'em) ';
  }

  if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
    return
  }
}

function transformIsMeaningful(transform) {
  return
}

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {'transform': 'translate(' +
      'var innerTranslate = ' +
      'var innerScale = ' +
      'var innerRotate = ' +
      'var path = ' +
      'var return;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || "")
      .toLowerCase();
    if (["STYLE", "LINK"].indexOf(tagName) > -1) {
      var element = child;
    } else {
      var doc = element.ownerDocument;
      var array = [ ];
      var array[i] = obj[i];
      var element = doc.createElement(node);
      var array = array || [ ];
      var value = array[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
  }
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return
  }, '');
}

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {'transform': 'translate(' +
      'var innerTranslate = ' +
      'var innerScale = ' +
      'var innerRotate = ' +
      'var path = ' +
      'var return;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || "")
      .toLowerCase();
    if (["STYLE", "LINK"].indexOf(tagName) > -1) {
      var element = child;
    } else {
      var doc = element.ownerDocument;
      var array = [ ];
      var array[i] = obj[i];
      var element = doc.createElement(node);
      var array = array || [ ];
      var value = array[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
  }
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return
  }, '');
}

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {'transform': 'translate(' +
      'var innerTranslate = ' +
      'var innerScale = ' +
      'var innerRotate = ' +
      'var path = ' +
      'var return;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || "")
      .toLowerCase();
    if (["STYLE", "LINK"].indexOf(tagName) > -1) {
      var element = child;
    } else {
      var doc = element.ownerDocument;
      var array = [ ];
      var array[i] = obj[i];
      var element = doc.createElement(node);
      var array = array || [ ];
      var value = array[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
  }
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return
  }, '');
}

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {'transform': 'translate(' +
      'var innerTranslate = ' +
      'var innerScale = ' +
      'var innerRotate = ' +
      'var path = ' +
      'var return;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || "")
      .toLowerCase();
    if (["STYLE", "LINK"].indexOf(tagName) > -1) {
      var element = child;
    } else {
      var doc = element.ownerDocument;
      var array = [ ];
      var array[i] = obj[i];
      var element = doc.createElement(node);
      var array = array || [ ];
      var value = array[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
  }
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return
  }, '');
}

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {'transform': 'translate(' +
      'var innerTranslate = ' +
      'var innerScale = ' +
      'var innerRotate = ' +
      'var path = ' +
      'var return;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || "")
      .toLowerCase();
    if (["STYLE", "LINK"].indexOf(tagName) > -1) {
      var element = child;
    } else {
      var doc = element.ownerDocument;
      var array = [ ];
      var array[i] = obj[i];
      var element = doc.createElement(node);
      var array = array || [ ];
      var value = array[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
  }
}

function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return
  }, '').trim();
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return
  }, '');
}
transform = _ref.transform,
styles = _ref.styles;
var styleString = joinStyles(styles);
if (styleString.length > 0) {
  attributes['style'] = styleString;
}

if (transformIsMeaningful(transform)) {
  var trans = transformForSvg({ transform: transform, containerWidth: main.width, iconWidth: main.width });
  children.push({
    tag: 'g',
    attributes: _extends({}, trans.outer),
    children: [{
      tag: 'g',
      attributes: _extends({}, trans.inner),
      children: [{
        tag: main.icon.tag,
        children: [{
          tag: 'path',
          attributes: _extends({}, main.icon.attributes)
        }]
      }]
    }]
  });
}

if (transformIsMeaningful(transform) && main.found && !mask.found) {
  var width = main.width,
      height = main.height;
  var offset = { x: width / height / 2, y: 0.5n }; attributes['transform'] =
    joinStyles([{
      'transform-origin': offset.x + transform.x / 16 + 'em ' + (offset.y + transform.y / 16) + 'em n '}],
    styles); attributes['transform-origin'] = offset.x + transform.x / 16 + 'em ' + (offset.y + transform.y / 16) + 'em n ');
  var attributes = _extends({}, attributes);
  children = [{
    tag: 'svg',
    attributes: attributes,
    children: [{
      tag: 'symbol',
      attributes: _extends({}, attributes, {
        'xlink:href': main.icon.href, 'x': offset.x, 'y': offset.y, 'width': width, 'height': height
      }),
      children: [{
        tag: 'path',
        attributes: _extends({}, main.icon.attributes)
      }]
    }]
  }];

  var content = [{
    tag: 'span',
    attributes: attributes,
    children: [{
      tag: 'span',
      attributes: { class: 'sr-only' },
      children: [{
        tag: 'title',
        attributes: {
          'aria-labelledby': content.attributes['aria-labelledby'] || 'title-' + nextUniqueId()
        },
        children: [title]
      }]
    }]
  }];

  return content;
}

var makeIconMasking = makeIconStandard;

var makeLayersText = makeLayersTextAbstract;

var noop = function noop() {};

var preamble = 'FA "5.0.13"';

var begin = function begin(name) {
  p.mark(preamble + ' ' + name + ' begins');
  return function () {
    return end(name);
  };
}

var end = function end(name) {
  p.mark(preamble + ' ' + name + ' ends');
};
The code snippet provided seems to be part of a JavaScript function that deals with manipulating DOM nodes, possibly as part of a branch migration tool. It includes functions for replacing nodes, checking if a node is watched, and getting the replacement icon from a mapping.

```javascript
function nest(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];

    // If we already have a
    node.parentNode.replaceChild(newNode, node);
    newNode.outerHTML = newOuterHTML;
} else if (node.parentNode) {
    var newNode = document.createElement('span');

    // Short-circuit to the standard replacement
    if (config$1.keepOriginalSource && node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');
    return newNode.innerHTML + (config$1.keepOriginalSource && node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');

    if (node.parentNode && node.outerHTML) {
        node.outerHTML = newOuterHTML + abstract = mutation[1];
        var newOuterHTML = abstract.map(function (a) {
            return toHtml(a);
        });
    }
}

var mutators = {
    replace: function replace(mutation) {
        var node = mutation[0];
        var abstract = mutation[1];

        // If we already have a
        node.parentNode.replaceChild(newNode, node);
        newNode.outerHTML = newOuterHTML;
    },
    nest:
}
```

The code is complex and involves manipulating DOM elements, which is typical for JavaScript functions dealing with web page manipulation. The functions `nest`, `mutators.replace`, and `mutators.nest` are part of a larger library for managing element replacements in a web page.
acc.size - rest;
          break;
        case 'left':
          acc.x = acc.x - rest;
          break;
        case 'right':
          acc.x = acc.x + rest;
          break;
        case 'up':
          acc.y = acc.y - rest;
          break;
        case 'down':
          acc.y = acc.y + rest;
          break;
        case 'rotate':
          acc.rotate = acc.rotate + rest;
          break;
      }

      return acc;
    }, transform);
  }

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 + '-title-' +
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-18.7-9.5-35.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z M40.6,272H8.5
  '})
};
var OPACITY_ANIMATE = _extends({}, ANIMATION_BASE, {
  attributeName: 'opacity'
});
var DOT = {
  tag: 'circle',
  attributes: _extends({}, FILL, {
    cx: '256',
    cy: '364',
    r: '28'
  }),
  children: [{ tag: 'animate', attributes: _extends({}, ANIMATION_BASE, { attributeName: 'r', values: '28;14;28;28;14;28;' }) },]
};

var QUESTION = {
  tag: 'path',
  attributes: _extends({}, FILL, {
    d: 'M232.5,134.5l7,168c0.3,6.4,5.6,11.5,12,11.5c12,13.9,22.3,29.4,39,56.9,52.3,88.2,97.4,166.8,190.8z M190.8,50c15.7,5,32.2,8.2,49.2,28.7,92.4,92.3L397,419.6z M115,92.4c13.9-12,29.4-22.3,46.1-37.6L397,419.6z M471.4,272c1.4,18.8-5.2,37,11.1,54.1l29.5,12.6C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5z M397,419.6c-13.9,12.2-29.4,22.3-46.1,30.4L115,92.4z M447.7,355.5z M156.5,447.7z M40.6,272H8.5c1.4,21.2,5.4,43.5,13.6,66.8H471.4z M321.2,462c-15.5,32.2-29.4,56.9,51.5,34.9L321.2,462z M321.2,462c-15.5,32.2-29.4,56.9,51.5,34.9L321.2,462z M321.2,462c-15.5,32.2-29.4,56.9,51.5,34.9L321.2,462z
reset() {\n
this.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\n
if (!additions[prefix])
additions[prefix] = {};\n\n
additions[prefix][iconName] = icon;\n
});\n\n
return additions;\n }\n }]);\n
return Library;\n}();\n\nfunction prepIcon(icon) {\n var width = icon[0];\n var height = icon[1];\n var vectorData =
icon.slice(4);\n\n return {\n found: true,\n width: width,\n height: height,\n icon: { tag: 'path', attributes: {
fill: 'currentColor', d: vectorData[0] } }\n };\n}\n\nvar _cssInserted = false;\n\nfunction ensureCss() {\n if
(!config$1.autoAddCss) {\n return;\n }\n\n if (!_cssInserted) {\n insertCss(css());\n }\n\n _cssInserted =
true;\n}\n\nfunction apiObject(val, abstractCreator) {\n Object.defineProperty(val, 'abstract', {\n get:
abstractCreator\n });\n\n Object.defineProperty(val, 'html', {\n get: function get() {\n
return
val.abstract.map(function (a) {\n
return toHtml(a);\n
});\n }\n });\n\n Object.defineProperty(val, 'node',
{\n get: function get() {\n
if (!IS_DOM) return;\n\n
var container = DOCUMENT.createElement('div');\n
container.innerHTML = val.html;\n
return container.children;\n }\n });\n\n return val;\n}\n\nfunction
findIconDefinition(params) {\n var _params$prefix = params.prefix,\n
prefix = _params$prefix === undefined ?
'fa' : _params$prefix,\n
iconName = params.iconName;\n\n\n if (!iconName) return;\n\n return
iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix,
iconName);\n}\n\nfunction resolveIcons(next) {\n return function (maybeIconDefinition) {\n var params =
(maybeIconDefinition || {}).icon ? maybeIconDefinition : findIconDefinition(maybeIconDefinition || {});\n\n var
mask = params.mask;\n\n\n if (mask) {\n
mask = (mask || {}).icon ? mask : findIconDefinition(mask || {});\n
}\n\n return next(iconDefinition, _extends({}, params, { mask: mask }));\n };\n}\n\nvar library = new
Library();\n\nvar noAuto = function noAuto() {\n auto(false);\n disconnect();\n};\n\nvar dom = {\n i2svg: function
i2svg() {\n var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};\n\n if
(IS_DOM) {\n
ensureCss();\n\n
var _params$node = params.node,\n
node = _params$node ===
undefined ? DOCUMENT : _params$node,\n
_params$callback = params.callback,\n
callback =
_params$callback === undefined ? function () {} : _params$callback;\n\n\n
if (config$1.searchPseudoElements)
{\n
searchPseudoElements(node);\n }\n\n
onTree(node, callback);\n }\n },\n\n css: css,\n\n insertCss:
function insertCss$$1() {\n insertCss(css());\n }\n};\n\nvar parse = {\n transform: function
transform(transformString) {\n return parseTransformString(transformString);\n }\n};\n\nvar icon =
resolveIcons(function (iconDefinition) {\n var params = arguments.length > 1 && arguments[1] !== undefined ?
arguments[1] : {};\n var _params$transform = params.transform,\n
transform = _params$transform ===
undefined ? meaninglessTransform : _params$transform,\n
_params$symbol = params.symbol,\n
symbol =
_params$symbol === undefined ? false : _params$symbol,\n
_params$mask = params.mask,\n
mask =
_params$mask === undefined ? null : _params$mask,\n
_params$title = params.title,\n
title = _params$title
=== undefined ? null : _params$title,\n
_params$classes = params.classes,\n
classes = _params$classes ===
undefined ? [] : _params$classes,\n
_params$attributes = params.attributes,\n
attributes = _params$attributes
=== undefined ? {} : _params$attributes,\n
_params$styles = params.styles,\n
styles = _params$styles ===
undefined ? {} : _params$styles;\n\n\n if (!iconDefinition) return;\n\n var prefix = iconDefinition.prefix,\n
iconName = iconDefinition.iconName,\n
icon = iconDefinition.icon;\n\n\n return apiObject(_extends({ type:
'icon' }, iconDefinition), function () {\n ensureCss();\n\n if (config$1.autoA11y) {\n
if (title) {\n
attributes['aria-labelledby'] = config$1.replacementClass + '-title-' + nextUniqueId();\n
} else {\n
attributes['aria-hidden'] = 'true';\n
}\n }\n\n return makeInlineSvgAbstract({\n
icons: {\n
main:
prepIcon(icon),\n
mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }\n
},\n
prefix: prefix,\n
iconName: iconName,\n
transform: _extends({}, meaninglessTransform, transform),\n
symbol: symbol,\n
title: title,\n
extra: {\n
attributes: attributes,\n
styles: styles,\n
classes:
classes\n
}\n });\n });\n});\n\nvar text = function text(content) {\n var params = arguments.length > 1 &&

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var _params$transform2 = params.transform,
    transform = _params$transform2 !== undefined ? meaningfull$transform : _params$transform2,
    _params$title2 = params.title,
    title = _params$title2 !== undefined ? params.transform.title : _params$title2,
    _params$classes2 = params.classes,
    classes = _params$classes2 !== undefined ? params.classes : _params$classes2,
    _params$attributes2 = params.attributes,
    attributes = _params$attributes2 !== undefined ? params.attributes : _params$attributes2,
    _params$styles2 = params.styles,
    styles = _params$styles2 !== undefined ? _params$styles2 : {};

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$1.familyPrefix + '-layers-text'].concat(toConsumableArray(classes)),
            children: children.concat(style),
            extra: 
        }
    });
});

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 });

    domready(function () {
        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();
    }
});

var baseToString = function (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, baseToString) + '';
    }
    if (isSymbol(value)) {
        return symbolToString ? symbolToString.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');

/**
 * 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);
  }
  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 =
m * 4.13.0n * @category Util
 * @returns {boolean} Returns `true` if `value` is an `arguments` object,
 *  else `false`.
 * @example
 *
 * _.isArguments(function() { return arguments; }());
 * // => true
 *
 * _.isArguments(
[91x341]*/
var isArguments = baseIsArguments(function() { return arguments; }()) ? baseIsArguments : function(value) {
  return isObjectLike(value) && hasOwnProperty.call(value, 'callee') &&
    !propertyIsEnumerable.call(value, 'callee');
};

module.exports = isArguments;

module.exports = function (it) {
  return typeof it === 'object' ?
  it !== null : typeof it === 'function';
};

/**
 * The base implementation of `_.sortBy` which uses `comparer` to
 * define the sort order of `array` and replaces criteria objects with their corresponding
 * value. *\n *\n * @private
 * @param {Array} array The array to sort.
 * @param {Function} comparer The function to define sort
 * order for `array`.
 * @returns {Array} Returns `array`.
 */
function baseSortBy(array, comparer) {
  var length =
  array.length;

  array.sort(comparer);
  while (length--) {
    array[length] = array[length].value;
  }
  return
}

module.exports = baseSortBy;

export default function _classCallCheck(instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError("Cannot call a class as a function");
  }
}
function!));

var root = require('./_root');

/**
 * Checks if `'value'` is in the array cache.
 * @param {Array|Object} collection
 * @param {*} value
 * @returns {boolean} Returns `true` if `'value'` is found, else `false`.
 */
function setCacheHas(value) {
  return this.__data__.has(value);
}

module.exports = setCacheHas;

/**
 * Converts `func` to its source code.
 */
var funcToString = funcProto.toString;

/**
 * Converts `func` to its source code.
 */
var funcToString = funcProto.toString;

/**
 * Creates an array of values by running each element in `collection` thru
 * `iteratee`. The `iteratee` is invoked with three arguments:
 * (value, index|key, collection).
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} [iteratee=_.identity] The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 * @example
 * function square(n) {
 *   return n * n;
 * }
 *
 * _.map([4, 8], square);
 * // => [16, 64]
 * @example
 * _.map(['a', 'b', 'c'], (char) => char.charCodeAt(0));
 * // => [97, 98, 99]
 */
function map(collection, iteratee) {
  var func = isArray(collection) ? arrayMap : baseMap;
  return func(collection, baseIteratee(iteratee, 3));
}

module.exports = map;

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var resolvedPath = ";\n resolvedAbsolute = false;\n for (var i = arguments.length - 1; i >= -1 && !resolvedAbsolute; i--) {
  \n resolvedPath = (\n resolvedPath ? \n resolvedPath + '/' + arguments[i] : arguments[i]);
}

\n return ((resolvedAbsolute ? '/' : '') + resolvedPath) || '.';

var path = path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

var isAbsolute = path.charAt(0) === '/';

var resolvedPath = '', resolvedAbsolute = false;

for (var i = arguments.length - 1; i >= -1; i--) {
  var path = (i >= 0) ? arguments[i] : process.cwd();

  if (typeof path !== 'string') {
    throw new TypeError('Arguments to path.resolve must be strings');
  }

  path = path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  if (path.charAt(0) !== '/') {
    path = '/' + path;
  }

  var resolvedPath = (resolvedAbsolute ? '/' : '') + path;

  if (isAbsolute) {
    resolvedPath = path;
  } else if (resolvedPath.charAt(0) === '.') {
    resolvedPath = '\n return resolvedPath;\n return (resolvedAbsolute ? '/' : '') + resolvedPath;\n return (\n path.charAt(0) !== '/') && !isAbsolute ? '...' : '';

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

    \n \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');

  \n\n return path.replace(/^[\s\S]*\([^\s\S]*\)/, '');
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'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray'),
    isIndex = require('./_isIndex'),
    isLength = require('./isLength'),
    toKey = require('./_toKey');

/**
 * Checks if `path` exists on `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {Array|string} path The path to check.
 * @param {Function} hasFunc The function to check properties.
 * @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 of `func` is used as the cache key. The `func` is invoked with
 * the `this` binding of the memoized function.
 *
 * **Note:** The cache is exposed as the `cache` property on the
 * memoized function. Its creation may be customized by replacing the
 * `_memozie.Cache` constructor with one whose instances implement the
 * `Map` method interface of `clear`, `delete`, `get`, `has`, and `set`.
 * @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`.
memoize.Cache = MapCache;

module.exports = memoize;

'"use strict');

var prefix = 'fas';
var iconName = 'times';
var width = 352;
var height = 512;
var ligatures = [];
var unicode = 'f00d';
var svgPathData = 'M242.72 256l100.07-100.07c12.28-12.28 12.28-32.19 0-44.48l22.24-22.24c12.28-12.28-12.28-32.19 0-44.48L109.28 256 9.21 356.07c-12.28 12.28-12.28 32.19 0 44.48l-22.24-22.24c-12.28-12.28-12.28-32.19 0-44.48L256 109.28 256.07 9.21c12.28 12.28 12.28 32.19 0 44.48' + 
  '88.22-22.24-22.24c12.28-12.28-12.28-32.19 0-44.48L256 109.28 256.07 9.21c12.28 12.28 12.28 32.19 0 44.48'};
Federico Zivolo and contributors

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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 () {
      called = false;
      fn();
    });
  };
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
        fn();
      }, timeoutDuration);
    }
  };
}

var supportsMicroTasks = isBrowser && window.Promise;

/**
* 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]';
}

/**
 * Get CSS 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 [];
  }
  // NOTE: 1 DOM access here
  var window = element.ownerDocument.defaultView;
  var css = window.getComputedStyle(element, null);
  return property ? css[property] : css;
}

/**
 * Returns the parentNode or the host of the given element
 * @method
* @memberof Popper.Utils
* @argument {Element} element
*/
function getParentNode(element) {
  if (element.nodeName === 'HTML') {
    return element;
  }
  return element.parentNode || element.host;
}

/**
 * Returns the scrolling parent of the given element
 * @method
* @memberof Popper.Utils
* @argument {Element} element
*/
function 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':
    case 'BODY':
      return element.ownerDocument.body;
    case '#document':
      return element.body;
  }
  // Firefox want us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty,
      scrollParent = function (element) {
    // Return body, 'getScroll' will take care to get the correct 'scrollTop' from it
    if (element.nodeName === 'HTML') {
      return element.body;
    }
    switch (element.nodeName) {
      // BODY case
      return element.ownerDocument.body;
    }
  }
  var _getStyleComputedProp = function (element) {
    // OverFlow X
    return _getStyleComputedProp oyflowX;
  }
  var _getStyleComputedProp oyflowY = function (element) {
    // OverFlow Y
    return _getStyleComputedProp oyflowY;
  }
  if (/((auto|scroll|overlay)/test(overflow + overflowY + overflowX))) {
    return element;
  }
  return getScrollParent(getParentNode(element));
}

/*
 * 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
* @argument {Element} element
*/
function getOffsetParent(element) {
  // Firefox wants us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty,
      _getScrollParent = function (element) {
    // Return body, `getScroll` will take care to get the correct `scrollTop` from it
    if (element.nodeName === 'HTML') {
      return element.body;
    }
    switch (element.nodeName) {
      // BODY case
      return element.ownerDocument.body;
    }
  }
  var _getStyleComputedProp = function (element) {
    // OverFlow X
    return _getStyleComputedProp oyflowX;
  }
  var _getStyleComputedProp oyflowY = function (element) {
    // OverFlow Y
    return _getStyleComputedProp oyflowY;
  }
  if (/((auto|scroll|overlay)/test(overflow + overflowY + overflowX))) {
    return element;
  }
  return getScrollParent(getParentNode(element));
}

/*
* 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
* @argument {Element} element
*/
function getOffsetParent(element) {
  // Firefox wants us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty,
      _getScrollParent = function (element) {
    // Return body, `getScroll` will take care to get the correct `scrollTop` from it
    if (element.nodeName === 'HTML') {
      return element.body;
    }
    switch (element.nodeName) {
      // BODY case
      return element.ownerDocument.body;
    }
  }
  var _getStyleComputedProp = function (element) {
    // OverFlow X
    return _getStyleComputedProp oyflowX;
  }
  var _getStyleComputedProp oyflowY = function (element) {
    // OverFlow Y
    return _getStyleComputedProp oyflowY;
  }
  if (/((auto|scroll|overlay)/test(overflow + overflowY + overflowX))) {
    return element;
  }
  return getScrollParent(getParentNode(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 = element.nextElementSibling).offsetParent;
  }

  var nodeName = offsetParent.nodeName;
  if (nodeName === 'BODY' || nodeName === 'HTML') {
    return element.ownerDocument.documentElement;
  }

  // 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;
}

function isOffsetContainer(element) {
  var nodeName = element.nodeName;
  if (nodeName === 'BODY') {
    return false;
  }
  return nodeName === 'HTML' || getOffsetParent(element.firstElementChild) === element;
}

/**
 * Finds the root node (document, shadowDOM root) of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} node
 * @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 || !element1.nodeType || !element2 || !element2.nodeType) {
    return document.documentElement;
  }

  // Here we make sure to give as "start" the element that comes first in the DOM
  var order = element1.compareDocumentPosition(element2) & Node.DOCUMENT_POSITION_FOLLOWING;
  var start = order ? element1 : element2;
  var end = order ? element2 : element1;

  // 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 !== commonAncestorContainer && element2 !== commonAncestorContainer) {
    return getOffsetParent(commonAncestorContainer);
  }

  // one of the nodes is inside shadowDOM, find which one
  var element1Root = getRoot(element1);
  if (element1Root.host) {
    return findCommonOffsetParent(element1Root.host, element2);
  } else {
    return findCommonOffsetParent(element1, element2, host);
  }

  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
 * @argument {Element} element
 * @argument {String} axis - `x` or `y`
 * @returns {number} borders
 */

function getBordersSize(styles, axis) {
  var sideA = axis === 'x' ? 'width' : 'height';
  var sideB = axis === 'x' ? 'height' : 'width';

  return styles[sideA] + styles[sideB];
}
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], isIE10() ? parseInt(html['offset' + axis]) + parseInt(computedStyle['margin' + (axis == 'Height' ? 'Top' : 'Left')]) : 0);
}

function getWindowSizes(document) {
  var body = document.body;
  var html = document.documentElement;

  var computedStyle = isIE10() && getComputedStyle(html);

  return {
    height: getSize('Height', body, html, computedStyle),
    width: getSize('Width', body, html, computedStyle)
  };
}

function getSize(axis, body, html, computedStyle) {
  return Math.max(body['offset' + axis], body['scroll' + axis], html['client' + axis], html['offset' + axis], html['scroll' + axis], isIE10() ? parseInt(html['offset' + axis]) + parseInt(computedStyle['margin' + (axis == 'Height' ? 'Top' : 'Left')]) : 0);
}

function getBoundingClientRect(element) {
  var rect = {};

  if (isIE10()) {
    rect = element.getBoundingClientRect();
    var scrollTop = getScroll(element, 'top');
    var scrollLeft = getScroll(element, 'left');
    rect.top += scrollTop;
    rect.left += scrollLeft;
    rect.bottom += offsets.top + offsets.height;
  } else {
    rect = element.getBoundingClientRect();
    rect = getClientRect(rect);
  }

  var sizes = element.nodeName === 'HTML' ? getWindowSizes(element.ownerDocument) : {};

  var width = sizes.width || element.clientWidth || rect.right - rect.left;
  var height = sizes.height || element.clientHeight || rect.bottom - rect.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 = getComputedStyle(element);
    var horizScrollbar = getBordersSize(styles, 'x');
    var vertScrollbar = getBordersSize(styles, 'y');
    var result.width = horizScrollbar + vertScrollbar;
    var result.height = vertScrollbar;
    var clientRect = getBoundingClientRect(element);
    var isIE10 = isIE(10);
    var isHTML = element.nodeName === 'HTML';
    var childrenRect = getBoundingClientRect(element);
    var parentRect = getBoundingClientRect(parent);
    var scrollParent = getScrollParent(children);
    var styles = getComputedStyle(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) {
      var rect = Math.max(parentRect.top, 0); parentRect.left = Math.max(parentRect.left, 0);
      var offsets = getClientRect(rect.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.right -= borderLeftWidth - marginLeft;
  offsets.left -= 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) {
  offsets = includeScroll(offsets, parent);
}

return offsets;

/**
 * Gets the offset of an element relative to another
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} customContainer
 * @returns {Object} offsets
 */

function getOffsetRectRelativeToArbitraryNode(element, customContainer) {
  // NOTE: 1 DOM access here
  var el = documentElement || window,
      width = Math.max(html.clientWidth, window.innerWidth || 0),
      height = Math.max(html.clientHeight, window.innerHeight || 0),
      scrollTop = getScroll(html) ? getScroll(html, 'top') : 0,
      scrollLeft = getScroll(html, 'left') ? getScroll(html, 'left') : 0;

  var offsets = { top: scrollTop, left: scrollLeft, width: width, height: height };

  offsets.top -= borderTopWidth - getComputedStyle(element).marginTop;
  offsets.bottom += borderTopWidth - getComputedStyle(element).marginTop;
  offsets.right -= borderLeftWidth - getComputedStyle(element).marginLeft;
  offsets.left += borderLeftWidth - getComputedStyle(element).marginLeft;

  return offsets;
}

/**
 * Checks if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {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
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {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()) {
    return documentElement;
  }

  var el = element.parentElement;
  while (el && getStyleComputedProperty(el, 'transform') === 'none') {
    el = el.parentElement;
  }

  return el;
}

/**
 * Computed the boundaries limits and return them
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} popper
 * @param {HTMLElement} reference
 * @param {Number} padding
 * @param {HTMLElement} boundariesElement - Element used to define the boundaries
 * @param {Boolean} fixedPosition - Is in fixed position mode
 * @returns {Object} Coordinates of the boundaries
 */

function getBoundaries(popper, reference, padding, boundariesElement, fixedPosition) {
  // NOTE: 1 DOM access here
  var boundaries = { top: 0, left: 0 };
  var offsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

  // In case of HTML, we need a different computation
  if (offsetParent.nodeName === 'HTML' && !isFixed(offsetParent)) {
    var _getWindowSizes = getWindowSizes(popper.ownerDocument),
        height = _getWindowSizes.height,
        width = _getWindowSizes.width;

    boundaries.top = height - offsets.top;
    boundaries.bottom = height + offsets.top;
    boundaries.left = width - offsets.left;
    boundaries.right = width + offsets.left;
  }

  return boundaries;
}
offsets.marginLeft; boundaries.right = width + offsets.left; } else { return width + offsets.left; }
    }

    // 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;

    // 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 space
 * available.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Array} 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 >= 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 {String} placement - one of the valid placement options
 * @returns {Object} An object containing the offsets which will be applied to the popper
 */
function getReferenceOffsets(state, popper, reference, fixedPosition) {

  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
 * @returns {String} flipped placement
 */
function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', bottom: 'top', top: 'bottom' };

  return placement.split('-')[1];
}

/**
 * Get offsets to the reference element
 * @method
 * @memberof Popper.Utils
 * @param {Element} popper - the popper element
 * @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);

  var result = {
    width: popperRect.width,
    height: popperRect.height
  };

  if (placement === 'center') {
    result.left = popperRect.left + popperRect.width / 2 - referenceOffsets.left;
    result.top = popperRect.top + popperRect.height / 2 - referenceOffsets.top;
  } else {
    result.top = popperRect.top - referenceOffsets.top;
    result.left = popperRect.left - referenceOffsets.left;
  }

  return result;
}

/**
 * Return the common offset parent
 * @method
 * @memberof Popper.Utils
 * @param {Element} element
 * @returns {Element} The common offset parent
 */
function findCommonOffsetParent(element, popper) {
  if (!element || !popper) return null;

  var isDescendant = function(isDescendant, child) {
    if (child === popper) return true;

    return isDescendant(child, popper) || child.contains(popper);
  };

  var commonOffsetParent = element.ownerDocument.body;

  while (true) {
    if (isDescendant(function(isDescendant, child) {
      if (child === popper) return true;

      return isDescendant(child, popper) || child.contains(popper);
    }, commonOffsetParent)) {
      return commonOffsetParent;
    }

    commonOffsetParent = commonOffsetParent.parentElement || document.body;
  }
}

/**
 * Get the initial offsets to the popper
 * @method
 * @memberof Popper.Utils
 * @param {Object} state
 * @returns {Object} An object containing the initial offsets which will be applied to the popper
 */
function getInitialOffsets(state) {
  return {
    top: state.popperRect.top - state.referenceRect.top,
    left: state.popperRect.left - state.referenceRect.left
  };
}

/**
 * Get the initial offsets to the popper
 * @method
 * @memberof Popper.Utils
 * @param {Object} state
 * @returns {Object} An object containing the initial offsets which will be applied to the popper
 */
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    top: state.popperRect.top - state.referenceRect.top,
    left: state.popperRect.left - state.referenceRect.left
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  return {
    top: state.popperRect.top - state.referenceRect.top,
    left: state.popperRect.left - state.referenceRect.left
  };
}

/**
 * Get the initial offsets to the popper
 * @method
 * @memberof Popper.Utils
 * @param {Object} state
 * @returns {Object} An object containing the initial offsets which will be applied to the popper
 */
function getInitialOffsets(state) {
  return {
    top: state.popperRect.top - state.referenceRect.top,
    left: state.popperRect.left - state.referenceRect.left
  };
}
isHoriz ? 'top' : 'left';
var secondarySide = isHoriz ? 'top' : 'left';
var measurement = isHoriz ? 'height' : 'width';
var secondaryMeasurement = !isHoriz ? 'height' : 'width';

var popperOffsets = referenceOffsets[mainSide] + referenceOffsets[measurement] / 2 - popperRect[measurement] / 2;
if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

return popperOffsets;

isHoriz ? 'top' : 'left';
var secondarySide = isHoriz ? 'top' : 'left';
var measurement = isHoriz ? 'height' : 'width';
n var popperOffsets = referenceOffsets[mainSide] + referenceOffsets[measurement] / 2 - popperRect[measurement] / 2;
if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

return popperOffsets;

var measurement = isHoriz ? 'height' : 'width';
var secondaryMeasurement = !isHoriz ? 'height' : 'width';

if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

return popperOffsets;

isHoriz ? 'top' : 'left';
var secondarySide = isHoriz ? 'top' : 'left';
var measurement = isHoriz ? 'height' : 'width';
var secondaryMeasurement = !isHoriz ? 'height' : 'width';

if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

return popperOffsets;

/**
 * Mimics the `find` method of Array
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument prop
 * @argument value
 * @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 arr.findIndex(check)
}

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument prop
 * @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.Utils
 * @param {Array} modifiers
 * @param {String} ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */
function runModifiers(modifiers, data, ends) {

  // use native findIndex if supported
  var modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));

  modifiersToRun.forEach(function (modifier) {
    if (modifier['function']) {
      // eslint-disable-line dot-notation
      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)) {
      // 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);
      data.placement = computeAutoPlacement(data.options.placement, data.offsets.reference, data.offsets.popper, data.options.modifiers.flip.boundariesElement, data.options.modifiers.flip.padding);
      data.originalPlacement = data.placement;
      data.positionFixed = data.options.positionFixed;
      data = runModifiers(modifiers, data, ends);
    }
  });

  return 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 name === modifierName;
  });
}

/**
 * Get the prefixed supported property name
 * @method
 * @memberof Popper.Utils
 * @argument {String} property (camelCase)
 * @returns {String} prefixed property (camelCase or PascalCase)
 */
function getSupportedPropertyName(property) {
  return property.charAt(0).toUpperCase() + property.slice(1);
function destroy() {
  this.state.isDestroyed = true;
  return
}

/**
 * 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 = 'absolute';
    this.popper.style.top = '0';
    this.popper.style.left = '0';
    this.popper.style.right = '0';
    this.popper.style.willChange = 'auto';
  }

  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
}

/**
 * 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);
}

/**
 * Setup needed event listeners used to update the popper position
 * @method
 * @memberof Popper.Utils
 * @private
 */
function setupEventListeners(reference, options, state, updateBound) {
  // Resize event listener on window
  state.updateBound = updateBound;
  getWindow(reference).addEventListener('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.scrollParents = scrollParents;

  // Event enabled
  state.eventsEnabled = false;
  return

  state.eventsEnabled = true;
  return

  if (this.state.eventsEnabled) {
    var this = this;
    var setupEventListeners = function (reference, this, options, state, updateBound) {
      // Remove event listeners used to update the popper position
      state = removeEventListeners(state, reference);

      // Remove resize event listener on window
      getWindow(reference).removeEventListener('resize', state.updateBound);

      // Remove scroll event listener on scroll parents
      var scrollParent = scrollParents.forEach(function (target) {
        target.removeEventListener('scroll', state.updateBound);
      });

      // Reset state
      state.scrollParents = [];
      state.scrollElement = null;
      state.scrollParentsEnabled = false;

      // We will remove resize/scroll events and won't recalculate popper position
      // when they are triggered.
      state.eventsEnabled = false;
      return
    };

    setupEventListeners(reference, this, options, state, updateBound);

    // Tells if a given input is a number
    function isNumeric(n) {
      return n !== null && isNaN(n) && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== null && n !== n
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
 * @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);
  // }
  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 element offsets
  var referenceOffsets = getReferenceOffsets(state, popper, reference,
    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
  var placement = computeAutoPlacement(options.placement, referenceOffsets,
    popper, reference,
    options.positionFixed);
  setStyles(popper, { position: options.positionFixed ? 'fixed' : 'absolute' });

  // apply 'position' to popper before anything else because without the position
  // applied we can't guarantee correct computations

  var offsets = {
    left: Math.floor(popper.left),
    top: Math.round(popper.top),
    bottom: Math.round(popper.bottom),
    right: Math.floor(popper.right)
  };

  // if gpuAcceleration is set to 'true' and transform is supported,
  // we use `translate3d` to apply the position to the popper
  // automatically use the supported prefixed version if needed
  if (options.gpuAcceleration &&
    getSupportedPropertyName('transform')) {
    return modifiers.name === 'applyStyle';
  }
  // if (legacyGpuAccelerationOption !== undefined) {
  // console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported
  // in future versions of Popper.js');
  // } 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 = {
  // 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
  // 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
  // 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 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;
  // var 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') {
  // top = -
  // offsetParent.clientHeight + offsets.bottom;
  // } else {
  // top = -offsetParentRect.height + offsets.bottom;
  // }
if (sideB === 'right') {
    left = -offsetParent.clientWidth + offsets.right;
  }
  if (sideB === 'right') {
    if (offsetParent.nodeName === 'HTML') {
      left = -offsetParent.clientWidth + 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 + '+' + sideB;
  }

  // Attributes
  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);

  return data;
}

/**
 * Helper used to know if the given modifier depends from another one.<br />
 * It checks if the needed modifier is listed and enabled.<n * @method
 * @memberof Popper.Utils
 * @param {Array} modifiers - list of modifiers
 * @param {String} requestedName - name of requested modifier
 * @returns {Boolean}
 */
function isModifierRequired(modifiers, requestedName) {
  var requesting = find(modifiers, function (modifier) {
    return modifier.name === requestedName;
  });

  var isRequired = !!requesting && modifiers.some(function (modifier) {
    return modifier.name === requestedName && modifier.enabled && modifier.order < requesting.order;
  });

  if (!isRequired) {
    console.warn(requestedName + ' modifier is required by ' + requestingName + ' modifier in order to work, be sure to include it before ' + requestingName + '!');
  }
  return isRequired;
}

/**
 * @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 arrow(data, options) {
  // if arrowElement is a string, suppose it's a CSS selector
  if (typeof options.element === 'string') {
    options.element = data.instance.popper.querySelector(options.element);
  } else {
    if (data.instance.popper.contains(options.element)) {
      console.warn('WARNING: `arrow.element` must be child of its popper node!');
    } else {
      options.element = null;
    }
  }

  var placement = data.placement.split('-')[0];
  var len = isVertical ? 'height' : 'width';
  var sideCapitalized = isVertical ? 'top' : 'left';
  var altSide = isVertical ? 'right' : 'bottom';
  var arrowElementSize = getOuterSizes(options.element)[len];
  var reference = data.offsets.reference;
  var isVertical = ['left', 'right'].indexOf(placement) !== -1;
  var len = isVertical ? 'height' : 'width';
  var sideCapitalized = isVertical ? 'top' : 'left';
  var reference = data.offsets.reference;
  var sideCapitalized = isVertical ? 'top' : 'left';
  var reference = data.offsets.reference;
  var altSide = isVertical ? 'right' : 'bottom';
  var arrowElementSize = getOuterSizes(options.element)[len];

  // if arrow is a string, suppose it's a CSS selector
  if (typeof options.arrowElement === 'string') {
    options.arrowElement = data.instance.popper.querySelector(options.arrowElement);
  } else if (arrowElement != null) {
    // don't run the modifier if (arrowElement) return;
  } else {
    options.arrowElement = null;
  }

  // arrow depends on keepTogether in order to work
  if (!isModifierRequired(data.instance.modifiers, 'arrow', 'keepTogether')) {
    return data;
  }

  var arrowElement = options.element;
  var reference = data.offsets.reference;
  var len = isVertical ? 'height' : 'width';
  var sideCapitalized = isVertical ? 'top' : 'left';
  var reference = data.offsets.reference;
  var arrowElementSize = getOuterSizes(arrowElement)[len];
  var reference = data.offsets.reference;
  var len = isVertical ? 'height' : 'width';
  var sideCapitalized = isVertical ? 'top' : 'left';
  var reference = data.offsets.reference;
  var sideCapitalized = isVertical ? 'top' : 'left';
  var reference = data.offsets.reference;
  var altSide = isVertical ? 'right' : 'bottom';
  var arrowElementSize = getOuterSizes(arrowElement)[len];

  // compute center of the popper

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center
  data.arrowElement = arrowElement;

  // set arrow element
  data.arrowElement = arrowElement;
  data.arrowElementSize = arrowElementSize;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;

  // Compute the sideValue using the updated popped offsets
  // take popper margin in account because we don't have this info available
  var css = getComputedStyle(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;
  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popperLen - arrowElementSize, sideValue), 0); // use the computed center

  // set arrow element
  data.arrowElement = arrowElement;
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
 */
getOppositeVariation(placement) { if (variation === 'end') { return variation === 'start'; } else if (variation === 'start') { return 'end'; } return return_varation; }

/**
 * List of accepted placements to use as values of the 'placement' option.
 */
var placements = ['auto', 'top', 'right', 'bottom', 'left'];

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 flip(data, options) { // if `inner` modifier is enabled, we can't use the `flip` modifier if (isModifierEnabled(data.instance.modifiers, 'inner')) { return data; } if (data.flipped && data.placement === data.originalPlacement) { return data; }

var boundaries = 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] || '';

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;
    break;}

var flipOrder = flipOrder(forEach(function (step, index) { return data; }));

var placement = data.placement.split('-')[0];

var placementOpposite = getOppositePlacement(placement);

var overlapSRef = placement === 'left' && floor(popperOffsets.right) > floor(refOffsets.left);

var placement === 'right' && floor(popperOffsets.left) < floor(refOffsets.right);

var placement === 'top' && floor(popperOffsets.bottom) > floor(refOffsets.top);

var placement === 'bottom' && floor(popperOffsets.top) < floor(refOffsets.bottom);

var placement === 'left' && floor(boundaries.left);

var placement === 'right' && floor(boundaries.right);
(isVertical & & variation === "start" & & overflowsLeft || isVertical & & variation === "end" & & overflowsRight ||
  isVertical & & variation === "start" & & overflowsTop || isVertical & & variation === "end" & & overflowsBottom);

if (overlapsRef || overflowsBoundaries || flippedVariation) {
  // this boolean to detect any flip loop
  data.flipped = true;

  if (overlapsRef || overflowsBoundaries) {
    placement = flipOrder[index + 1];
  }

  if (flippedVariation) {
    variation = getOppositeVariation(variation);
  }

  data.placement = placement + (variation ? '-\' + variation : '');

  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}
 */
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
    // viewport
    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);
    }
    return rect[measurement] / 100 * size;
  } else {
    // 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 the value
    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
 * @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];

  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 parseInt(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 (fragment) {
    return fragment.includes(',') || fragment.includes(' ');
  }));

  // 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 the value
  var value = +parseInt(fragments[0]);

  // if 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 parseInt(frag.trim());
  });

  // if the offset string to obtain a list of values and operands
  // They are separated by comma or space
  var divider = fragments.indexOf(find(fragments, function (fragment) {
    return fragment.includes(',') || fragment.includes(' ');
  }));

  // if the offset string to obtain a list of values and operands
  // They are separated by comma or space
  var divider = fragments.indexOf(find(fragments, function (fragment) {
    return fragment.includes(',') || fragment.includes(' ');
  }));

  // if the offset string to obtain a list of values and operands
  // They are separated by comma or space
  var divider = fragments.indexOf(find(fragments, function (fragment) {
    return fragment.includes(',') || fragment.includes(' ');
  }));

  // if the offset string to obtain a list of values and operands
  // They are separated by comma or space
  var divider = fragments.indexOf(find(fragments, function (fragment) {
    return fragment.includes(',') || fragment.includes(' ');
  }));

  var isVertical & & variation === 'start' & & overflowsLeft || isVertical & & variation === 'end' & & overflowsRight ||
  isVertical & & variation === 'start' & & overflowsTop || isVertical & & variation === 'end' & & overflowsBottom;
values with units to absolute pixels to allow our computations

ops = ops.map(function (op, index) {
  // Most of
  var measurement = (index === 1 ? trueHeight : 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[a.length - 1] === '' & & ['+', '-'].indexOf(b) !== -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 through 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.left += offsets[0];
    popper.top += offsets[1];
  } else if (basePlacement === 'bottom') {
    popper.left += offsets[0];
    popper.top += offsets[1];
  }

  data.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 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 to make this modifier completely useless and look like broken
  if (data.instance.reference === boundariesElement) {
    boundariesElement = getOffsetParent(boundariesElement);
  }

  var popper = data.offsets.popper;

  var order = options.priority;

  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);
    },
    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]) - (placement === 'right' ? popper.width : popper.height);
      }
      return defineProperty({}, placement, value);
    }
  },

  order.forEach(function (placement) {
    var side = ['left', 'top'].indexOf(placement) !== -1 ? 'primary' : 'secondary';
    popper = transformProp(placement, options.transformProp, popper.styles.top, 'top', popper.styles.left, 'left', transform = popperStyles[transformPropProp]);
    popper.offsets.top = '';
    popper.offsets.left = '';
    boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, boundariesElement, data.positionFixed);
    boundaries = transformProp(placement, options.transformProp, boundaries, options.padding, boundariesElement, data.positionFixed);
  });

  return data;
}
The data object, properly modified
*/

```javascript
function shift(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var shiftvariation = placement.split('-')[1];
  if (shiftvariation) {
    var _data$offsets = data.offsets,
        popper = _data$offsets.popper;
    var isVertical = (basePlacement.toLowerCase() === 'top' || basePlacement.toLowerCase() === 'bottom');
    var side = isVertical ? 'left' : 'top';
    var measurement = isVertical ? 'width' : 'height';
    var shiftOffsets = {
      end: defineProperty({}, side, popper[side])
    };
    data.offsets.popper = _extends({}, popper, shiftOffsets[shiftvariation]);
  }
  return data;
}
```

```javascript
/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */

```javascript
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) {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (!isDataObjectModified(data, 'data.hide', 'true')) {
      data.data.hide = true;
      return data;
    }
    data.data.hide = false;
    var dataAttributes = ['x-out-of-boundaries']
    return data;
  }
  data.data.hide = false;
  return data;
}
```

```javascript
/**
 * @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
 */

```javascript
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', 'right'].indexOf(basePlacement) !== -1;
  var subtractLength = ['top', 'left'].indexOf(basePlacement) === -1;
  popper[isHoriz ? 'left' : 'top'] = reference[basePlacement] - (subtractLength ? popper[isHoriz ? 'width' : 'height'] : 0);
  data.data.placement = getOppositePlacement(placement);
  data.offsets.popper = getClientRect(popper);
  data.data.hide = true;
  return data;
}
```

```javascript
/**
 * 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.
 */

```javascript
var modifiers = {
  /**
   * Modifier used to shift the popper
   * on the start or end of its reference
   * element.
   * It will read the variation of the placement and use it to shift the
   * popper on the start or end of its reference
   * element.
   * It can be one either `-end` or `-start`.
   * @memberof modifiers
   * @inner
   */
  shift: {
    order: 100,
    enabled: true,
    fn: shift
  },
```

*10 - 5vh + 3%\n* -10px + 5vh, 5px - 6%\n* ***\n* > **NB**: If you desire to apply offsets to your poppers in a way that may make them overlap, you can read more on this at this

[issue](https://github.com/FezVrasta/popper.js/issues/373)

* We can say it has "escaped the boundaries" — or just \"escaped\". In this case we need to decide whether the popper should either:

  * \* - detach from the reference and remain "trapped"

in the boundaries, or:

  * - if it should ignore the boundary and "escape with its reference"

When \`escapeWithReference\` is set to \`true\` and reference is completely outside its boundaries, the popper will overflow (or completely leave) the boundaries in order to remain attached to the edge of the reference.

* @memberof modifiers

  * @inner

### preventOverflow

- order: 300
- Enabled: true
- Fn: preventOverflow
- priority: \[\`left\`, \`right\`, \`top\`, \`bottom\`\]
- padding: 5
- boundariesElement: \`scrollParent\`

**This modifier is used to move the \`arrowElement\` of the popper to make sure it is positioned between the reference element and its popper.**

It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers

  * @inner

### keepTogether

- order: 400
- Enabled: true
- Fn: keepTogether

### arrow

- order: 500
- Enabled: true
- Fn: arrow
- element: \`[x-arrow]\`

**This modifier is used to flip the placement when it starts to overlap its reference element.**

* Requires the \`preventOverflow\` modifier before it in order to work.

* **NOTE:** this modifier will interrupt the current update cycle and will * restart it if it detects the need to flip the placement.

* @memberof modifiers

  * @inner

### flip

- order: 600
- Enabled: true
- Fn: flip
- behavior: \`flip\`
- Element: \`x-arrow\`

* The behavior used to change the popper's placement. It can be \`flip\`, \`clockwise\`, \`counterclockwise\` or an array with a list of valid placements (with optional variations) in the boundariesElement's definition.
boundaries
 * (except if `keepTogether` is enabled)
 */
    boundariesElement: 'viewport',

  },

  /**
   * 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.
   */
    @inner
    inner: { /* @prop {number} order=700 - Index used to define the order of execution */

    /** @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.
   */
    @inner
    hide: { /* @prop {number} order=800 - Index used to define the order of execution */

    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    fn: hide
  },

  /**
   * Computes the style that will be applied to the popper element to gets
   * properly positioned.
   */
    @prop {number} order=850 - Index used to define the order of execution */

    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    fn: computeStyle
  },

  /**
   * Applies
   */
    @prop {number} order=900 - Index used to define the order of execution */

    /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
    fn: applyStyle
  }
};

/**
 * 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 The Popper.js
 * @property {String} data.placement Placement applied to popper
 * @property {String} data.originalPlacement Placement applied to popper
 * @property {Object} data.styles Any CSS property defined here will be applied to the
 * @property {Object} data.arrowStyles Any CSS property defined here will be applied to the popper
 * @property {Object} data.boundaries Offsets of the popper boundaries
 * @property {Object} data.offsets The measurements of popper, reference and arrow elements
 */

```javascript
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```
values

* @property {Object} data.offsets.arrow* `top` and `left` offsets, only one of them will be different from 0

* @property {Object} modifiers. preventOverflow* `true` if Overflow checkbox is enabled in editor.

* @property {Object} options* Default options provided to Popper.js constructor.

To override an option, simply pass an object with the same structure of the `options` object, as the 3rd argument. For example:

```javascript
var newPopper = new Popper(ref, pop, {
  positionFixed: false,
  placement: 'bottom',
  placement: 'bottom',
  positionFixed: false
});
```

### Methods

#### Popper.js

- `new Popper(ref, pop)`: Create a new Popper instance.
- `Popper.destroy(instance)`: Destroy a Popper instance.
- `Popper.scheduleUpdate(instance)`: Schedule an update.
- `Popper.update(instance)`: Update the popper position.
- `Popper.removeOnDestroy(instance)`: Remove the popper when it is destroyed.
- `Popper.popper: {Object} options`: Custom options to override the default options.

#### Popper.js API

- `options`: Options passed to the constructor.
- `modifiers`: Modifiers used to modify the offsets before they are applied to the popper.
- `placement`: Placement of the popper.
- `positionFixed`: Whether the popper is fixed.
- `eventsEnabled`: Whether events are enabled.
- `removeOnDestroy`: Whether to destroy the popper when it is destroyed.

#### Popper.js Events

- `onCreate()`: Callback called when the popper is created.
- `onUpdate()`: Callback called when the popper is updated.

#### Popper.js Utilities

- `debounce(func)`: Debounces a function to ensure it is called at most once per-tick.
- `isFunction(func)`: Checks if a function is defined.
- `isObject(obj)`: Checks if an object is defined.
- `isBoolean(val)`: Checks if a value is a boolean.
- `isNull(val)`: Checks if a value is null.
- `isUndefined(val)`: Checks if a value is undefined.

---

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destroy.call(this); }, { key: 'enableEventListeners', value: function enableEventListeners$$1() {
  return enableEventListeners.call(this); }, { key: 'disableEventListeners', value: function disableEventListeners$$1() {
  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
 * include `popper-utils.js` before `popper.js`.
 *
 **DEPRECIATION**: 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}
 * @deprecated since version 1.8
 * @member Utils
 * @memberof Popper
 */

Popper.placements = placements;
Popper.Defaults = Defaults;
Popper.placementNames = placements;

export default 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.
 * 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;

/** Used as references for various `Number` constants. */
var INFINITY = 1 / 0;

/**
 * Creates a function that'll short out and invoke `identity` instead
 * of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN`
 * or more times in `HOT_SPAN` across milliseconds.
 * @name HOT_COUNT
 * @type {number}
 * @default 800
 * @version 1.6
 * @memberof Popper
 */

**/ H.

/**
 * Converts `value` to a string key if it's not a string or
 * symbol.
 * @name toKey
 * @type {Function}
 * @version 1.7
 * @memberof Popper
 */

/**
 * Creates a function that'll short out and invoke `identity` instead
 * of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN`
 * or more times in `HOT_SPAN` across milliseconds.
 * @name HOT_COUNT
 * @type {number}
 * @default 800
 * @version 1.6
 * @memberof Popper
 */

/**
 * Creates a function that'll short out and invoke `identity` instead
 * of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN`
 * or more times in `HOT_SPAN` across milliseconds.
 * @name HOT_COUNT
 * @type {number}
 * @default 800
 * @version 1.6
 * @memberof Popper
 */

/**
 * Creates a function that'll short out and invoke `identity` instead
 * of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN`
 * or more times in `HOT_SPAN` across milliseconds.
 * @name HOT_COUNT
 * @type {number}
 * @default 800
 * @version 1.6
 * @memberof Popper
 */
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```javascript
locale: locale, args: args, choice: choice

function makeParams (locale, args) {
  var params = [];

  locale = value.path;
    locale = value.locale;
    args = value.args;
    choice = value.choice;
  }

  return { path: path,
    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: path,
    locale: locale;
    args: args;
    choice: choice;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }
```

```javascript
vm.$i18n.getLocaleMessage(vm.$i18n.locale);
}

function parseValue (value) {
  var path;
  var locale;
  var args = value.args;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }
```

```javascript
vm.$i18n.getLocaleMessage(vm.$i18n.locale);
}

function parseValue (value) {
  var path;
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  var args = value.args;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }
```

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vm.$i18n.getLocaleMessage(vm.$i18n.locale);
}

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  var path;
  var locale;
  var args = value.args;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }
```

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}

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  var locale;
  var args = value.args;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }
```

```javascript
vm.$i18n.getLocaleMessage(vm.$i18n.locale);
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  var path;
  var locale;
  var args = value.args;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
  }

  return { path: path,
    locale: locale;
    args: args;
    choice: choice;
  }
```

```javascript
vm.$i18n.getLocaleMessage(vm.$i18n.locale);
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}
```
/*
 * Internal utility function.
 * *
 * param: str - the string to format.
 * param: keys - an object hash of options to use for formatting.
 * *
 * return: The formatted string.
 * *
 * Options:
 * numberFormatKeys - an array of keys for numbers:
 * style, currency, currencyDisplay, useGrouping, minimumIntegerDigits,
 * maximumIntegerDigits, minimumFractionDigits, maximumFractionDigits,
 * minimumSignificantDigits, maximumSignificantDigits,
 * localeMatcher, formatMatcher.
 * *
 * return: The formatted string.
 * *
 * Options:
 * numberFormatKeys - an array of keys for numbers:
 * style, currency, currencyDisplay, useGrouping, minimumIntegerDigits,
 * maximumIntegerDigits, minimumFractionDigits, maximumFractionDigits,
 * minimumSignificantDigits, maximumSignificantDigits,
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 * minimumSignificantDigits, maximumSignificantDigits,
 * localeMatcher, formatMatcher.
 * *
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 * style, currency, currencyDisplay, useGrouping, minimumIntegerDigits,
 * maximumIntegerDigits, minimumFractionDigits, maximumFractionDigits,
 * minimumSignificantDigits, maximumSignificantDigits,
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 * return: The formatted string.
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 * numberFormatKeys - an array of keys for numbers:
 * style, currency, currencyDisplay, useGrouping, minimumIntegerDigits,
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 * style, currency, currencyDisplay, useGrouping, minimumIntegerDigits,
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 * maximumIntegerDigits, minimumFractionDigits, maximumFractionDigits,
 * minimumSignificantDigits, maximumSignificantDigits,
 * localeMatcher, formatMatcher.
 * *
 * return: The formatted string.
 * *
 * Options:
 * numberFormatKeys - an array of keys for numbers:
 * style, currency, currencyDisplay, useGrouping, minimumIntegerDigits,
process.env.VUE_APP_I18N_LOCALE || 'en';

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 */
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.$createElement;var _c=_vm._self._c||_h;return _c('div',{staticClass:"donate-form container-fluid py-2"},[(!_vm.noTitle)?_c('h2',{staticClass:"text-uppercase font-weight-bold text-primary h5"},[_vm._v("\n"+_vm._s(_vm.$t('donate-form.support'))+"\n")]:_vm._e(),_vm._t("introduction",[_c('p',{domProps:{"innerHTML":_vm._s(_vm.$t('donate-form.introduction'))}})]),_c('div',{_c:'donate-form__payment mb-4',attrs:{"action":"//checkout.fundjournalism.org/memberform","method":"get","target":"_blank"}},[_c('h3',[_vm._v(_vm._s(_vm.$t('donate-form.join-heading'))+"\n")]),_c('div',[_c('strong',[_vm._v(_vm._s(_vm.$t('donate-form.label'))+" ")]),_c('label',{staticClass:"donate-form__payment__unit input-group input-group-sm d-inline-flex"},[_c('input',{directives:[{name:"model",rawName:"v-model",value:(_vm.amount),expression:(_vm.amount)},],staticClass:"donate-form__payment__input form-


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function (onRejected) {
  return this.then(null, onRejected);
}

Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
} // @ts-ignore

Promise.prototype['finally'] = promiseFinally;

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 =
(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;
Math.floor(Math.abs(number));

function concat() {
  return Array.prototype.concat.apply([], arguments);
}

export default function identity(x) {
  return x;
}

export var arrayFind = function arrayFind(array, fn, thisArg) {
  return array.find(fn, thisArg);
}

export var arrayIncludes = function arrayIncludes(array, value) {
  return array.indexOf(value) !== -1;
}

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;

// e. Increase k by 1.
        k++;
      }

      // 7. Return undefined.
      return undefined;
    }
  });
}

if (!Object.is) {
  Object.is = function (x, y) {
    return x !== x && y !== y;
  };
}

export function readonlyDescriptor() {
  return { enumerable: true, configurable: false, writable: false }
}

// Production steps of ECMAS-262, Edition 6, 22.1.2.1
// es6-ified by @alexshasharagun/\!

if (!Array.from) {
  // eslint-disable-next-line no-extend-native
  Object.defineProperty(Array.prototype, 'find', {
    value: function value(predicate) {
      // 1. Let C be the
this value.
      var C = this;
    }
  });
}

if (typeof mapFn != 'undefined') {
  var T = void 0;
  if (typeof mapFn !== 'undefined') {
    T = arguments[2];
  }
  var kValue = void 0;
  while (k < len) {
    kValue = items[k];
    if (predicate.call(thisArg, kValue, k)) {
      return kValue;
    }
    k += 1;
  }
  return void 0;
}

// c. Let testResult be ToBoolean(? Call(predicate, T, « kValue, k, O »)).
        // d. If testResult is true, return
        kValue = o[k];
        if (predicate.call(thisArg, kValue, k, o)) {
          return kValue;
        }
        k += 1;
      }
      // 7. Return undefined.
      return undefined;
    }
  });

// Production steps of ECMAS-262, Edition 6, 22.1.2.1
// es6-ified by @alexshasharagun/\!

// Production steps of ECMAS-262, Edition 6, 22.1.2.1
// es6-ified by @alexshasharagun/\!

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// es6-ified by @alexshasharagun/\!

// Production steps of ECMAS-262, Edition 6, 22.1.2.1
// es6-ified by @alexshasharagun/\!

'./identity';

/**
 * Given an array of properties or an object of property keys, plucks all the values off the target object.
 * @param {[]} keysToPluck
 * @param {[]} objToPluck
 * @param {Function} transformFn
 * @return {[]} *exposeProp default function pluckProps(keysToPluck, objToPluck) {
 * return isArray(keysToPluck) ? keysToPluck.slice() : keysToPluck().reduce(function (memo, prop) {
 * // eslint-disable-next-line no-sequences
 * return memo[transformFn(prop)] = objToPluck[prop], memo;
 * }, {});
 * });
 * 
 */

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;
  }, {});
}

import { from as arrayFrom } from './array';

// 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 it's content (adjusting it's height/width)
export var reflow = function reflow(el) {
  // requesting an elements offsetHeight will trigger a reflow of the element content
  return isElement(el) && el.offsetHeight ||
  Select all elements matching selector.
  Returns [] if none found

  var Matches = proto.matches || proto.matchesSelector ||
  proto.mozMatchesSelector || proto.oMatchesSelector || proto.webkitMatchesSelector ||
  /* 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 i > -1;
  };

  return Matches.call(el, 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 Matches = proto.matches || proto.matchesSelector ||
  proto.mozMatchesSelector || proto.msMatchesSelector || proto.oMatchesSelector || proto.webkitMatchesSelector ||
  /* 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-sequences
    while (--i >= 0 && m.item(i) !== element) {}
    return i > -1;
  };

  return Matches.call(el, selector);
};

// Get an element given an ID
export var getById = function getById(id) {
  return document.getElementById(/^#/.test(id) ? id.slice(1) : id) || null;
};

// Add a class to an element
export var addClass = function addClass(el, className) {
  if (className && isElement(el)) {
    el.classList.add(className);
  }
}

// Remove a class from an element
export var removeClass = function removeClass(el, className) {
  if (className && isElement(el)) {
    el.classList.remove(className);
  }
}

// Test if an element has a class
export var hasClass = function hasClass(el, className) {
  if (className && isElement(el)) {
    return el.classList.contains(className);
  }
  return false;
};

// Set an attribute on an element
export var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
  }
}

// Remove an attribute from an element
export var removeAttr = function removeAttr(el, attr) {
  if (attr && isElement(el)) {
    el.removeAttribute(attr);
  }
}

// Get an attribute value from an element
export 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)
export var hasAttr = function hasAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.getAttribute(attr);
  }
  return null;
};
return el.getAttribute(attr);  
}

function getBCR(el) {
  return el.getBoundingClientRect();
}

export var getBCR = function getBCR(el) {
  return el.getBoundingClientRect()  
};

// Return the Bounding Client Rec of an element. Returns null if not an element
export var getOffset = function getOffset(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
};

// Return an element's offset wrt document element
export var offset = 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
export var position = 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 = offsetParent.parentNode;
    }
    if (offsetParent && offsetParent.nodeType === Node.ELEMENT_NODE) {  
      parentOffset = offset(offsetParent);
      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)
  };
};

// Attach an event listener to an element
export var eventOn = function eventOn(el, ev, target, handler) {
  if (el && el.addEventListener) {  
    el.addEventListener(ev, target, handler);
  }
};

// Remove an event listener from an element
export var eventOff = function eventOff(el, ev, target, handler) {
  if (el && el.removeEventListener) {  
    el.removeEventListener(ev, target, 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 && typeof obj === 'symbol';
};

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(propsToOmit).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 (typeof prop === 'function') {
        linkProps[prop] = this[prop];
      } else {
        linkProps[prop] = props[prop];
      }
    }

    return linkProps;
  }
};

function computeTag(props, parent) {
  return el.
}

/*
 */

--

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```
...concat(listeners['update:pressed']).forEach(function (fn) {
  if (typeof fn === 'function') {
    // Concat will normalize the value to an array
    // without double wrapping an array value
    if (props.disabled && e instanceof Event) {
      e.stopPropagation();
      e.preventDefault();
    } else if (props.to);
    var isToggle = typeof props.pressed === 'boolean';
    var on = {
      click: function click(e) {
        handleFocus(e);
      }
    }

    export default {
      functional: true,
      props: propsFactory(),
      render: function render(h, _ref4) {
        var props = _ref4.props,
            data = _ref4.data,
            parent = _ref4.parent,
            children = _ref4.children;

        var tag = computeTag(props, parent);
        var rel = computeRel(props);
        var href = computeHref(props, tag);
        var eventType = tag === 'router-link' ? 'nativeOn' : 'on';
        var suppliedHandler = (data[eventType] || {}).click;
        var handlers = { click: suppliedHandlerFactory(tag) {

        var componentData = mergeData(data, { class: props.class, componentData: componentData[eventType] === 'router-link' ? 'nativeOn' : 'on';
        var suppliedHandler = (data[eventType] || {}).click;
        var handlers = { click: clickHandlerFactory() {
        } });

        return h(tag, componentData, children);
      }
    }

    export default {
      functional: true,
      props: propsFactory(),
      render: function render(h, _ref4) {
        var props = _ref4.props,
            data = _ref4.data,
            parent = _ref4.parent,
            children = _ref4.children;

        var tag = computeTag(props, parent);
        var rel = computeRel(props);
        var href = computeHref(props, tag);
        var eventType = tag === 'router-link' ? 'nativeOn' : 'on';
        var suppliedHandler = (data[eventType] || {}).click;
        var handlers = { click: clickHandlerFactory() {
        } });

        return h(tag, componentData, children);
      }
    }
```

```javascript
var _defineProperty = function(_ref, key, value)
```
shift to process in order

```javascript
var _BVRL$shift = this[_BVRL].shift();
var event = _BVRL$shift.event;
var callback = _BVRL$shift.callback;
this.$root.$off(event, callback);
```

```javascript
import { assign } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to
 * eventListener model
 * @param {Element} el The DOM element to observe
 * @param {Object} 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;
  var eventListenerSupported = window.addEventListener;

  // Handle case
  if (null !== el && isElement(el)) {
    // We can't observe something that isn't an element
    return false;
  }

  var obs = null;
  // istanbul ignore next:
  // difficult to test in JSDOM
  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function(mutations) {
      // After observer is created, get DOM event target
      var target = mutations[0].target;

      // The muttion record
      var mutation = mutations[0];
      // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
      if (type === 'attributes') {
        // Change 
        if (type === 'attributes') {
          if (eventListenerSupported) {
            el.addEventListener('DOMNodeInserted', callback, false);
            el.addEventListener('DOMNodeRemoved', callback, false);
          }
        }
      }
    });

    // 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
    // obs.disconnect can be called later
  } else if (eventListenerSupported) {
    // Legacy interface. most likely not used in modern browsers
    el.addEventListener('DOMNodeInserted', callback, false);
    el.addEventListener('DOMNodeRemoved', callback, false);
  }

  // We only call the callback if a change that could affect
  // layout or size truly happened.
  return true;
}

// Log a warning message to the console with bootstrap-vue formatting sugar
/* istanbul ignore next */
function warn(message) {
  console.warn('[Bootstrap-Vue warn]: ' + message);
}

export default warn;
```

```javascript
// Key Codes (events)

export default {
  SPACE: 32,
  ENTER: 13,
  ESC: 27,
  LEFT: 37,
  UP: 38,
  RIGHT: 39,
  DOWN: 40,
};
```

```javascript
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);
    }
  }

  function _classCallCheck(instance, Constructor) {
    if (!(instance instanceof Constructor)) {
      throw new TypeError('Cannot call a class as a function');
    }
  }

  import { assign, defineProperty, defineProperties, readonlyDescriptor } from '../utils/object';

  var BvEvent = function () {
    function BvEvent(type) {
      _classCallCheck(this, BvEvent);

      // Start by emulating native Event constructor.
      if (null !== eventInit) {
        throw new TypeError('Cannot call a class as a function');
      }

      // Assign defaults first, the eventInit.
      // and the type last so it can't be overwritten.
      assign(this, BvEvent.defaults(), eventInit, { type: type });

      // Freeze some props as readonly, but leave them
      enumerable:
      defineProperties(this, { type: readonlyDescriptor() });
      cancelable: readonlyDescriptor(),
      target: readonlyDescriptor(),
      relatedTarget: readonlyDescriptor(),
      vueTarget: readonlyDescriptor()
    }

    // Create a private variable using closure scoping.
    var defaultPrevented = false;

    // Recreate preventDefault method. One way setter.
    function
```
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```javascript
var showEvt = new BvEvent('show', {
  cancelable: true,
  vueTarget: this,
  target: this.$refs.modal,
  relatedTarget: null
});
this.emitEvent(showEvt);
if (showEvt.defaultPrevented || this.is_visible) {
  return;
}

var hideEvt = new BvEvent('hide', {
  cancelable: true,
  vueTarget: this,
  target: this.$refs.modal,
  relatedTarget: null
});
this.emitEvent(hideEvt);
if (hideEvt.defaultPrevented || !this.is_visible) {
  return;
}

// Stop observing for content changes in this._observer
if (this._observer) {
  this._observer.disconnect();
  this._observer = null;
}

// Private method to finish showing modal
doShow: function doShow() {
  var _this2 = this;

  this.is_transitioning = true;
  this.setResizeEvent(true);
  this.setScrollbar();
  this.adjustDialog();
  addClass(document.body, 'modal-open');
  this.setResizeEvent(true);
  this.checkScrollbar();
  this.setScrollbar();
  this.adjustDialog();
  this.isHidden = false;
  this.$nextTick(function () {
    this.is_hidden = false;
    this.$nextTick(function () {
      this.is_visible = true;
      this._this2.emitChange(true);
    });
  });

  // Observe changes in modal content and adjust if necessary
  this._observer = observeDom(_this2.$refs.content, _this2.adjustDialog.bind(_this2), OBSERVER_CONFIG);
}

// Transition Handlers
onBeforeShow: function onBeforeShow() {
  this.is_transitioning = true;
  this.setScrollbar();
  this.setResizeEvent(true);
},

onAfterShow: function onAfterShow() {
  var _this2 = this;

  this.is_transitioning = false;
  this.$nextTick(function () {
    _this2.emitEvent(hideEvt);
    this._this2.emitEvent(hideEvt);
    if (hideEvt.defaultPrevented || !this.is_visible) {
      return;
    }
    // Observe changes in modal content
    if (this._observer) {
      this._observer.disconnect();
      this._observer = null;
    }
    // Hide if not canceled
    if (hideEvt.defaultPrevented || !this.is_visible) {
      return;
    }
    // Plce modal in DOM if lazy
    if (this.is_hidden) {
      this.$refs.modal.$nextTick(function () {
        // We do this in nextTick to ensure the modal is in DOM first before we show it
        return;
      });
    }
    this.is_visible = true;
    this.$nextTick(function () {
      this.focusFirst();
      this.$refs.modal.scrollTop = 0;
    });
  });

  // 'focusout' Event Listener bound on content
  var content = this.$refs.content;
  if (!this.noEnforceFocus && this.is_visible && content && !content.contains(evt.relatedTarget)) {
    content.focus();
  }
}

// 'orientationchange' Event Listener
'orientationchange'].forEach(function (evtName) {
  if (on) {
    eventOn(window, evtName, _this5.adjustDialog);
  } else {
    eventOff(window, evtName, _this5.adjustDialog);
  }
});
```
Root Listener handlers

    // Root Listener handlers
    showHandler: function showHandler(id, triggerEl) {
      if (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();
      }
    },

    // Focus control handlers
    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();
      }
    },
    focusTo: function focusTo() {
      // Prefer returnFocus prop over event specified return_focus value
      var el = this.returnFocus || this.return_focus || null;
      if (typeof el === 'string') {
        el = select(el);
      }
      if (el) {
        el = el.$el || 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.$refs.modal;
      var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
      if (!this.isBodyOverflowing && isModalOverflowing) {
        modal.style.paddingLeft = this.scrollbarWidth + 'px';
      }
      if (this.isBodyOverflowing && !isModalOverflowing) {
        modal.style.paddingRight = this.scrollbarWidth + 'px';
      }
    },
    resetAdjustments: function resetAdjustments() {
      var modal = this.$refs.modal;
      if (modal) {
        modal.style.paddingLeft = '';
        modal.style.paddingRight = '';
      }
    },
    checkScrollbar: function checkScrollbar() {
      var rect = getBCR(document.body);
      this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
    },
    setScrollbar: function setScrollbar() {
      if (this.isBodyOverflowing) {
        // 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 body = document.body;
        var scrollbarWidth = this.scrollbarWidth;
        // Adjust fixed content padding
        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 calculatedPadding = computedStyle(el).paddingRight || 0;
          setAttr(el, 'data-margin-right', actualMargin);
          el.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');
        }
      });
      // 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');
        }
      });
      // Restore body padding
      var body = document.body;
      if (hasAttr(body, 'data-padding-right')) {
        body.style.paddingRight = getAttr(body, 'data-padding-right');
      }
    },
  };
*`import normalize from `!"!../../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"*/

```
component = normalize

component.options.__file = `EmbedForm.vue`  

```.

```
export default component.exports,
```
get(document.head.querySelector(metaSelector), 'content', config.get(key))
      }
    },
    computed: {
      style
      }
    }
  }
</script>

<style lang="scss">
  @import '../styles/lib';
  @import '../styles/mixins';

  .sharing-options {
    display: flex;

    &__link {
      display: block;
      margin: $spacer / 4;
      background: black;
      height: 2.5em;
      line-height: 2.5em;
      text-align: center;
      font-size: 80%;
      width: 2.5em;
      text-align: center;
      color: white;
      position: absolute;
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
      cursor: pointer;
      position: relative;

      i {
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
      }

      & > a, & > button {
        display: block;
      }
    }
  }
</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" @click="showShareOptions = !showShareOptions" :class="{ active: showShareOptions }">
      <fa icon="share-alt" />
      <span class="sr-only">{{ $t('embeddable-footer.share') }}</span>
    </button>
    <sharing-options :values="sharingOptionsValues" v-if="showShareOptions" direction="column-reverse"
  :iframe-min-height="iframeMinHeight" :iframe-min-width="iframeMinWidth"></sharing-options>
</div>
</template>

<script>
  import { faShareAlt } from '@fortawesome/free-solid-svg-icons/faShareAlt'

  import i18n from '@/i18n'
  import IframeResizer from '@/utils/iframe-resizer'
  import SharingOptions from './SharingOptions'
  import config from '@/config'

  import { library } from './Fa'

  /**
   * EmbeddableFooter
   */
  export default {
    i18n,
    name: 'EmbeddableFooter',
    beforeMount() {
      library.add(faShareAlt)
    },
    components: {
      /** Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       * Fa: require('./Fa').default,
       */
      SharingOptions
    },
    props: {
      /**
       * Title to display next to ICJI logo.
       */
      title: {
        type: String,
        default: () => config.get('project.name')
      },
      /**
       * Minimum height for the iframe generated in the embed form.
       */
      iframeMinHeight: {
        type: Number
      }
    }
  }
</script>
Minimum width for the iframe generated in the embed form.

```javascript
iframeMinWidth: { type: Number
  },
/** *
 * Target of the ICJI 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: () => ({})
 },
/** *
 * Sharing option values to bind to the sharing-options component on the bottom-right corner.
 */
sharingOptionsValues: { type: Object,
  default: () => ({})
 },
/** *
 * Target of the ICJI 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: () => ({})
 },
/** *
 * Target of the ICJI 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: () => ({})
 },
/** *
 * Target of the ICJI 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: () => ({})
 },
/** *
 * Target of the ICJI 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: () => ({})
 }
```
only\"]),\_vm\._v("(\"Facebook\")\])]),\_c\(\text{div}\),{\text{staticClass:}\"col\"}),\_c\(\text{a}\),{\text{staticClass:}\"d-inline-block text-primary border-primary rounded-circle bg-white follow-us__social-btn\"},attrs:{\"href\":\"https://www.linkedin.com/company/1732242\"},\_vm\._v("\"Facebook\"\")},[_vm\._v("\"LinkedIn\"\")],[_c\(\text{fa}\),{attrs:{\"icon":\[\"fab\", \"linkedin\"\]},\"size":\"lg\"}],\_c\(\text{span}\),{\text{staticClass:}\"sr-only\"}),\_vm\._v("\"LinkedIn\"\")],\_vm\._e(),\_c\(\text{div}\),{\text{staticClass:}\"sign-up-form__fieldset__group\"},class:{\"input-group":\_vm\.horizontal}),\_c\(\text{button}\),{attrs:{\"type":\"submit\"}},\_vm\._v("\n          "+_vm._s(_vm.$t("sign-up-form.submit"))+\n          ")
  
  @submit.prevent="subscribe($event)" class="sign-up-form" :class="{ 'sign-up-form--horizontal': horizontal }">
    
    <label class="text-uppercase text-muted font-weight-bold" for="input-email" v-if="!noLabel">
        {{ $t("sign-up-form.label") }}
      </label>
      
      <div class="sign-up-form__fieldset__group" :class="{ 'input-group': horizontal }">
        
        <input v-model="email" name="EMAIL" type="text" class="form-control" :placeholder="$t('sign-up-form.placeholder')" id="input-email" />
        
        
        <button class="btn btn-primary text-uppercase font-weight-bold" type="submit">
            {{ $t("sign-up-form.submit") }}
        </button>
      </div>
    
  </form>
</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: JSON.stringify(
          this.resetMessages().this.freeze(0) // Send the data, catch the result no matter what and unfreeze the form
          .this.send().always(this.done).always(this.unfreeze)
        ),
        success: ()
      })
    }}
</script>
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```javascript
var User = ({...})
	// Mailchimp formats errors in list
	this.errorMessage = last(res.msg) || "Something's wrong()");
	if (res.result === 'success') {
	  this.email = ''
	  this.successMessage = res.msg;
```
import { render, staticRenderFns } from 'vue';

export { render, staticRenderFns }
_ref.data,\n
children = _ref.children;\n\n return h(Link, mergeData(data, {\n
props: props,\n
staticClass:
'dropdown-item',\n
attrs: { role: 'menuitem' }\n }), children);\n }\n};","export default {\n mounted: function
mounted() {\n if (typeof document !== 'undefined') {\n
document.documentElement.addEventListener('click',
this._clickOutListener);\n }\n },\n beforeDestroy: function beforeDestroy() {\n if (typeof document !==
'undefined') {\n
document.documentElement.removeEventListener('click', this._clickOutListener);\n }\n },\n\n
methods: {\n _clickOutListener: function _clickOutListener(e) {\n
if (!this.$el.contains(e.target)) {\n
if
(this.clickOutListener) {\n
this.clickOutListener();\n
}\n
}\n }\n }\n};","import Popper from
'popper.js';\nimport clickoutMixin from './clickout';\nimport listenOnRootMixin from './listen-on-root';\nimport {
from as arrayFrom } from '../utils/array';\nimport { assign } from '../utils/object';\nimport KeyCodes from
'../utils/key-codes';\nimport BvEvent from '../utils/bv-event.class';\nimport warn from '../utils/warn';\nimport {
isVisible, closest, selectAll, getAttr, eventOn, eventOff } from '../utils/dom';\n\n// Return an Array of visible
items\nfunction filterVisible(els) {\n return (els || []).filter(isVisible);\n}\n\n// Dropdown item CSS selectors\n//
TODO: .dropdown-form handling\nvar ITEM_SELECTOR = '.dropdown-item:not(.disabled):not([disabled])';\n\n//
Popper attachment positions\nvar AttachmentMap = {\n // DropUp Left Align\n TOP: 'top-start',\n // DropUp
Right Align\n TOPEND: 'top-end',\n // Dropdown left Align\n BOTTOM: 'bottom-start',\n // Dropdown Right
Align\n BOTTOMEND: 'bottom-end'\n};\n\nexport default {\n mixins: [clickoutMixin, listenOnRootMixin],\n
props: {\n disabled: {\n
type: Boolean,\n
default: false\n },\n text: {\n
// Button label\n
type:
String,\n
default: ''\n },\n dropup: {\n
// place on top if possible\n
type: Boolean,\n
default: false\n
},\n right: {\n
// Right align menu (default is left align)\n
type: Boolean,\n
default: false\n },\n offset:
{\n
// Number of pixels to offset menu, or a CSS unit value (i.e. 1px, 1rem, etc)\n
type: [Number, String],\n
default: 0\n },\n noFlip: {\n
// Disable auto-flipping of menu from bottom<=>top\n
type: Boolean,\n
default: false\n },\n popperOpts: {\n
type: Object,\n
default: function _default() {}\n }\n },\n data:
function data() {\n return {\n
visible: false,\n
inNavbar: null,\n
visibleChangePrevented: false\n };\n
},\n created: function created() {\n // Create non-reactive property\n this._popper = null;\n },\n mounted:
function mounted() {\n // To keep one dropdown opened on page\n this.listenOnRoot('bv::dropdown::shown',
this.rootCloseListener);\n // Hide when clicked on links\n this.listenOnRoot('clicked::link',
this.rootCloseListener);\n // Use new namespaced events\n this.listenOnRoot('bv::link::clicked',
this.rootCloseListener);\n },\n\n /* istanbul ignore next: not easy to test */\n deactivated: function deactivated() {\n
// In case we are inside a `<keep-alive>`\n this.visible = false;\n this.setTouchStart(false);\n
this.removePopper();\n },\n\n /* istanbul ignore next: not easy to test */\n beforeDestroy: function beforeDestroy()
{\n this.visible = false;\n this.setTouchStart(false);\n this.removePopper();\n },\n\n watch: {\n visible:
function visible(newValue, oldValue) {\n
if (this.visibleChangePrevented) {\n
this.visibleChangePrevented
= false;\n
return;\n
}\n\n
if (newValue !== oldValue) {\n
var evtName = newValue ? 'show' : 'hide';\n
var bvEvt = new BvEvent(evtName, {\n
cancelable: true,\n
vueTarget: this,\n
target:
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

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```javascript
if (this.$refs.menu.contains(evt.relatedTarget)) {
  return;
}
this.visible = false;

/*
dropdown-form container
  this.visible = false;
} return;
*/
```

```javascript
onFocusOut: function onFocusOut(evt) {
  if in a text-like input, we should just focus next item in the dropdown
    // Note: Inputs are in a special
}
```

```javascript
onTab(evt) {
  if (this.visible) {
    // TODO: Need special handler for dealing with form inputs
    // Tab,
  } else if (key === KeyCodes.TAB) {
    // Close on tab out
    this.onTab(evt);
  }
}
```

```javascript
onKeydown: function onKeydown(evt) {
  // Called from
toggle: function toggle(evt) {
  // Called only by a button that toggles the menu
  var type = evt.type;
  var key = evt.keyCode;
  if (type === 'click' && !type === 'keydown' && (key === KeyCodes.ENTER || key === KeyCodes.SPACE || key === KeyCodes.DOWN)) {
    this.$emit('hidden');
    this.removePopper();
    this.emitOnRoot('bv::dropdown::hidden', this);
    this.$emit('shown');
    this.$nextTick(this.focusFirstItem);
```
istanbul ignore next: not easy to test */\n onMouseOver: function onMouseOver(evt) {\n
// Focus the item on
hover\n
// TODO: Special handling for inputs? Inputs are in a special .dropdown-form container\n
var item =
evt.target;\n
if (item.classList.contains('dropdown-item') && !item.disabled &&
!item.classList.contains('disabled') && item.focus) {\n
item.focus();\n
}\n },\n focusNext: function
focusNext(evt, up) {\n
var _this2 = this;\n\n
if (!this.visible) {\n
return;\n
}\n
evt.preventDefault();\n
evt.stopPropagation();\n
this.$nextTick(function () {\n
var items =
_this2.getItems();\n
if (items.length < 1) {\n
return;\n
}\n
var index = items.indexOf(evt.target);\n
if (up && index > 0) {\n
index--;\n
} else if (!up && index < items.length - 1) {\n
index++;\n
}\n
if (index < 0) {\n
index = 0;\n
}\n
_this2.focusItem(index, items);\n
});\n },\n
focusItem: function focusItem(idx, items) {\n
var el = items.find(function (el, i) {\n
return i === idx;\n
});\n
if (el && getAttr(el, 'tabindex') !== '-1') {\n
el.focus();\n
}\n },\n getItems: function getItems()
{\n
// Get all items\n
return filterVisible(selectAll(ITEM_SELECTOR, this.$refs.menu));\n },\n
getFirstItem: function getFirstItem() {\n
// Get the first non-disabled item\n
var item = this.getItems()[0];\n
return item || null;\n },\n focusFirstItem: function focusFirstItem() {\n
var item = this.getFirstItem();\n
if
(item) {\n
this.focusItem(0, [item]);\n
}\n },\n focusToggler: function focusToggler() {\n
var toggler =
this.toggler;\n
if (toggler && toggler.focus) {\n
toggler.focus();\n
}\n }\n }\n};","import idMixin from
'../../mixins/id';\nimport dropdownMixin from '../../mixins/dropdown';\n\nexport default {\n mixins: [idMixin,
dropdownMixin],\n render: function render(h) {\n var button = h('a', {\n
class: this.toggleClasses,\n
ref:
'toggle',\n
attrs: {\n
href: '#',\n
id: this.safeId('_BV_button_'),\n
disabled: this.disabled,\n
'ariahaspopup': 'true',\n
'aria-expanded': this.visible ? 'true' : 'false'\n
},\n
on: {\n
click: this.toggle,\n
keydown: this.toggle // space, enter, down\n
}\n }, [this.$slots['button-content'] || this.$slots.text || h('span', {
domProps: { innerHTML: this.text } })]);\n var menu = h('div', {\n
class: this.menuClasses,\n
ref: 'menu',\n
attrs: { 'aria-labelledby': this.safeId('_BV_button_') },\n
on: {\n
mouseover: this.onMouseOver,\n
keydown: this.onKeydown // tab, up, down, esc\n
}\n }, [this.$slots.default]);\n return h('li', { attrs: { id:
this.safeId() }, class: this.dropdownClasses }, [button, menu]);\n },\n\n computed: {\n isNav: function isNav() {\n
// Signal to dropdown mixin that we are in a navbar\n
return true;\n },\n dropdownClasses: function
dropdownClasses() {\n
return ['nav-item', 'b-nav-dropdown', 'dropdown', this.dropup ? 'dropup' : '', this.visible ?
'show' : ''];\n },\n toggleClasses: function toggleClasses() {\n
return ['nav-link', this.noCaret ? '' : 'dropdowntoggle', this.disabled ? 'disabled' : '', this.extraToggleClasses ? this.extraToggleClasses : ''];\n },\n menuClasses:
function menuClasses() {\n
return ['dropdown-menu', this.right ? 'dropdown-menu-right' : 'dropdown-menu-left',
this.visible ? 'show' : '', this.extraMenuClasses ? this.extraMenuClasses : ''];\n }\n },\n props: {\n noCaret: {\n
type: Boolean,\n
default: false\n },\n extraToggleClasses: {\n
// Extra Toggle classes\n
type: String,\n
default: ''\n },\n extraMenuClasses: {\n
// Extra Menu classes\n
type: String,\n
default: ''\n },\n role:
{\n
type: String,\n
default: 'menu'\n }\n }\n};","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\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

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```javascript
    this.compileTemplate(this.constructor.Default.template);
    }
    // Add tab index so tip can be focused, and to default template
    this.$tip = this.compileTemplate(this.$config.template) ||
    value: function getTipElement() {
      if (!this.$tip) {
        // Try and compile user supplied template, or fallback
        addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
    }
  }, {
    key: 'getTipElement',
    value: function addAttachmentClass(attachment) {
    }
    // NOTE: Overridden by PopOver class
    isWithContent(tip) {
      tip = tip || this.$tip;
      if (!tip) {
        return false;
      }
      return
    }
    // NOTE: Overridden by PopOver class
    getTransitionEndEvents() {
      for (var name in TransitionEndEvents) {
        if (this.$element.style[name] !==
          function removePopper() {
            if (this.$popper) {
              this.$popper.destroy();
            }
            this.$popper = null;
          }
  }, {
    key: 'removePopper',
    value: function removeAriaDescribedby() {
      // Add aria-describedby on trigger element, without removing any other IDs
      var desc = getAttr(this.$element, 'aria-describedby') || '';
      desc = desc.split(/\s+/).concat(this.$id).join(' ').trim();
      setAttr(this.$element, 'aria-describedby', desc);
    }
  }, {
    key: 'addAriaDescribedby',
    value: function addAriaDescribedby() {
      // Add aria-describedby on trigger element, without removing any other IDs
      var desc = getAttr(this.$element, 'aria-describedby') || '';
      desc = desc.split(/\s+/).concat(this.$id).join(' ').trim();
      setAttr(this.$element, 'aria-describedby', desc);
    }
  }, {
    key: 'removeAriaDescribedby',
    value: function removeAriaDescribedby() {
      // Remove aria-describedby on trigger element
      var desc = getAttr(this.$element, 'aria-describedby') || '';
      desc = desc.split(/\s+/).filter(function (d) {
        return d !==
          function getTransitionEndEvents() {
            for (var name in TransitionEndEvents) {
              if (this.$element.style[name] !== undefined) {
                return boolean(getTransitionEndEvents(name));
              }
            }
            // NOTE: Overridden by PopOver class
            };{key: 'isWithContent',value: function
            isWithContent(tip) {
              tip = tip || this.$tip;
              if (!tip) {
                return false;
              }
            return Boolean(select(Selector.TOOLTIP_INNER, tip) || { }).innerHTML);
        }
    })
```
allow it to be set as relatedTarget in focusin/out events\n this.$tip.tabIndex = -1;\n return this.$tip;\n }\n },
{\n  key: 'compileTemplate',\n  value: function compileTemplate(html) {\n    if (!html || typeof html !== 'string')\n      return null;\n    var div = document.createElement('div');\n    div.innerHTML = html.trim();\n    var node = div.firstChild ? div.removeChild(div.firstChild) : null;\n    div = null;\n    return node;\n  }\n} // NOTE: Overridden by PopOver class
},
{\n  key: 'setContent',\n  value: function setContent(tip) {\n    this.$elementContent(select(Selector.TOOLTIP_INNER, tip), this.getTitle());\n    removeClass(tip, ClassName.FADE);\n    removeClass(tip, ClassName.SHOW);\n},\n{\n  key: 'getTitle',\n  value: function getTitle() {\n    var title = this.$config.title || '';\n    if (typeof title === 'function') {\n      title = title(this.$element);\n    }\n    return title;\n  }\n} // NOTE: Overridden by PopOver class
,
{\n  key: 'setElementContent',\n  value: function setElementContent(container, content) {\n    if (!container) {\n      // If container element doesn't exist, just return\n      return null;\n    }\n    var allowHtml = this.$config.html;\n    if ((typeof content === 'undefined' ? 'undefined' : typeof(content)) !== 'object' && content.nodeType) {\n      // content is a DOM node and (if allowHtml) {\n        if (content.parentNode !== container) {\n          container.appendChild(content);\n        } else {\n          container.innerHTML = content.innerHTML;\n        }\n      } else {\n        // We have a plain HTML string or Text\n        container.innerHTML = innerHTML;\n        container.innerText = content;\n      }\n    }\n  }\n},
{\n  key: 'listen',\n  value: function listen() {\n    var _this$ = this;\n    var triggers = this.$config.trigger.trim().split(/\s+/);\n    this.setRootListener(true);\n    // Listen for global show/hide events\n    events.forEach(function (evt) {\n      eventOff(_this$, evt, _this$);\n    }, this);\n    // Using 'this' as the handler will get automatically directed to this.handleEvent\n    // And maintain our binding to this\n    triggers.forEach(function (trigger) {\n      if (trigger === 'click') {\n        eventOn(el, 'click', _this$);\n      } else if (trigger === 'focus') {\n        eventOn(el, 'focusin', _this$);\n      } else if (trigger === 'blur') {\n        // Used to close $tip when element looses\n        eventOn(el, 'focusout', _this$);\n      } else if (trigger === 'hover') {\n        eventOn(el, 'mouseover', _this$);\n        eventOn(el, 'mouseout', _this$);\n      } else if (trigger === 'mouseenter') {\n        eventOn(el, 'mouseenter', _this$);\n      } else if (trigger === 'mouseleave') {\n        eventOn(el, 'mouseleave', _this$);\n      }\n      if (!this.$isEnabled) {\n        // If not enable\n        return;\n      }\n      var type = e.type;\n      var target = e.target;\n      if (isDisabled(this.$element)) {\n        // If disabled, don't do anything. Note: if tip is shown before element gets\n        disabled, then tip won't close until no longer disabled or forcefully closed.\n        return;\n      }\n      \n      if (!this.$isEnabled) {\n        return;\n      }\n      var type = e.type;\n      var target = e.target;\n      var relatedTarget = e.relatedTarget;\n      var element = this.$element;\n      var $tip = this.$tip;\n      if (type === 'mouseenter') {\n        this.enter(e);\n      } else if (type === 'mouseleave') {\n        this.leave(e);\n      }\n    }\n  }\n} // NOTE: Overridden by PopOver class


if (this.isWithActiveTrigger()) {
    return;
  }
  clearTimeout(this.$hoverTimeout);
  this.$hoverState = HoverState.OUT;
  this.$activeTrigger.click = false;
  this.$activeTrigger.hover = false;
}

function getPopperConfig(placement, tip) {
  var_this12 = this;
  var placement = this.constructor.getAttachment(placement);
  var modifiers = {
    offset: { offset: this.getOffset(placement, tip) },
    flip: { behavior: this.constructor.fallbackPlacement },
    arrow: { element: '.arrow' },
    preventOverflow: { boundariesElement: this.constructor.boundary }
  };
  var onCreate = function onCreate(data) {
    if (data.originalPlacement !== data.placement) {
      this.handlePopperPlacementChange(data);
    }
  };
  var onUpdate = function onUpdate(data) {
    this.handlePopperPlacementChange(data);
  };

  return {
    placement:
      this.constructor.getAttachment(placement),
    modifiers: {
      offset: { offset: this.getOffset(placement, tip) },
      flip: { behavior: this.constructor.fallbackPlacement },
      arrow: { element: '.arrow' },
      preventOverflow: { boundariesElement: this.constructor.boundary }
    },
    onCreate: function onCreate(data) {
      if (data.originalPlacement !== data.placement) {
        this.handlePopperPlacementChange(data);
      }
    },
    onUpdate: function onUpdate(data) {
      this.handlePopperPlacementChange(data);
    }
  };
}

function getOffset(placement, tip) {
  if (!this.constructor.offset) {
    var arrow = document.querySelector('Selector.ARROW', tip);
    var defaultOffset = parseFloat(getComputedStyle(arrow).width) +
      parseFloat(this.constructor.arrowPadding);
    var offset = this.constructor.getAttachment(placement);
    var defaultOffset = parseFloat(getComputedStyle(arrow).width) +
      parseFloat(this.constructor.arrowPadding);
    var offset = this.constructor.getAttachment(placement);
    var defaultOffset = parseFloat(getComputedStyle(arrow).width) +
      parseFloat(this.constructor.arrowPadding);
    return {
      placement: this.constructor.getAttachment(placement),
      modifiers: {
        offset: { offset: this.constructor.getAttachment(placement) },
        flip: { behavior: this.constructor.fallbackPlacement },
        arrow: { element: '.arrow' },
        preventOverflow: { boundariesElement: this.constructor.boundary }
      },
      onCreate: function onCreate(data) {
        if (data.originalPlacement !== data.placement) {
          this.handlePopperPlacementChange(data);
        }
      },
      onUpdate: function onUpdate(data) {
        this.handlePopperPlacementChange(data);
      }
    };
  }
  return this.constructor.offset;
}

function getPlacement() {
  var placement = this.constructor.placement;
  if (typeof placement === 'function') {
    return placement.call(this, this.$tip, this.$element);
  }
  return placement;
}

function isWithActiveTrigger() {
  for (var trigger in this.$activeTrigger) {
    if (this.$activeTrigger[trigger]) {
      return true;
    }
  }
  return false;
}

window.addEventListener('popover-open', function() {
  this.$activeTrigger = {
    click: false,
    hover: false
  };
});
(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 + '.*', 'g');

var Defaults = assign({}, ToolTip.Default, {
  placement: 'right',
  trigger: 'click',
  content: '',
  template: '<div class="popover-header"></div><div class="popover-body"></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.$element);
      }
      if ((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType && !title.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      if (!title) {
        // Try and grab element's title attribute
        title = getAttr(this.$element, 'title') || getAttr(this.$element, 'data-original-title') || '';
        title = title.trim();
      }
      return title;
    }
  }, {
    key: 'getContent',
    value: function getContent() {
      var content = this.$config.content || '';
      if (typeof content === 'function') {
        content = content(this.$element);
      }
      if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object' && content.nodeType && !content.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        content = '';
      }
      if (typeof content === 'string') {
        content = content.trim();
      }
      return content;
    }
  }], [{
    key: 'Default',

    // Getter overrides

    get: function get() {
      return Defaults;
    }
  }, {
    key: 'NAME',
    get: function get() {
      return NAME;
    }
  }]);

  return PopOver;
}(ToolTip);

export default PopOver;
$index) in dropdownItems \(\text{key}=$index\) :key="\$index\) :href="\$item.href\) v-bind="{ active: !!item.active }">

  {{ item.label }}
</b-dropdown-item>
            </b-nav-dropdown>
          </ul>
        </slot>
        <ul class="navbar-nav">
          <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>
      </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 \emph{absolute}, \emph{relative}, \emph{static} or \emph{fixed}
       */
      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')
      },
      /**
       * App name, to display next to project name
       */
      title: {
        type: String,
        default: () => config.get('app.name')
      },
      /**
       * An array of objects defining dropdown items. Each item defines a \emph{label} and a \emph{href}.
       */
      dropdownItems: {
        type: Array,
        default: () => config.get('imddb-header.dropdown.items')
      },
      /**
       * Target link of the ICIJ logo and project name
       */
      homeUrl: {
        type: String,
        default: () => config.get('app.home')
      }
    },
    data () {
      return {
        showSignupPopover: false,
        collapseNavbar: true
      }
    },
    methods: {
      closeFollowUsPopover ()  {
        this.showSignupPopover = false
      },
      toggleNavbar () {
        this.collapseNavbar = !this.collapseNavbar
        this.$root.$emit('bv::hide::popover')
        this.$root.$emit('bv::hide::dropdwon')
      }
    },
    computed: {
      rootElement () {
        return this.noHeadroom ? 'div' : 'headroom'
      }
    },
  }
</script>

<style lang="scss">
  @import '../styles/lib';

  .imddb-header {
    background: rgba($mercury, 0.8);
    box-shadow: 0 0 6px 0 rgba(#000, .1);
    position: relative;
    top:0;
    width: 100%;
    z-index: $zindex-sticky;

  .popover {
    width: 100%;
  }

  @include media-breakpoint-down(md) {
    background: $mercury;
  }

  &--unpinned {
    transform: translateY(-100%) !important;
  }

  &--pinned {
    transform: translateY(0%);
  }

  &--frozen {
    transform: translateY(0%) !important;
  }

  &__brand {
    position: relative;
    font-weight: bolder;
    padding-right: $spacer * 1.5;

    &:after {
      content: "";
      background: $body-color;
      width: 2px;
      height: 32px;
      position: absolute;
      right:0;
      top:50%;
      transform: translateY(-50%);

      @include media-breakpoint-down(md) {
        display: none;
      }
    }
  }

  .navbar-toggler {
    background: $mercury;
    position: absolute;
    right: $spacer;
    top: $spacer / 2;
    margin: 0;
  }

  .dropdown-item {
    white-space: normal;
    width: 440px;
    max-width: 90vw;
  }

  .nav-link {
    @include media-breakpoint-up(lg) {
      font-size: 1.2rem;
      font-family: Sheadings-font-
    }
  }
</style>
```
var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/**
 * Checks if `value` is classified as a `Symbol` primitive or object.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The
 * @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;
```

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

```
{"imddb-header": {
  "navbar": {
    "leak": "Leak to us",
    "support": "Support us",
    "follow": "Follow ICIJ"
  },
  "share": "Share"
},
"embeddable-footer": {
  "share": "Share"
},
"embed-form": {
  "heading": "Embed on your website",
  "introduction": "Copy the code bellow to embed this on your website.",
  "responsive-optin": "Responsive iFrame",
  "copy": "Copy"
},
"follow-us-popover": {
  "heading": "Follow us"
},
"generic-footer": {
  "investigations": "Investigations",
  "follow-us": "Follow us",
  "all-rights": "All rights reserved",
  "version": "Version %{version}"}
,"donate-form": {
  "support": "Support us",
  "introduction": "ICIJ’s investigations are supported by readers like you. Help keep our databases free and open to the public by joining our <strong><a target="_blank" href="https://icij.org/donate">ICIJ Insiders</a></strong> community.",
  "join-heading": "Won't you join us today?",
  "label": "I would like to donate",
```

`\x09\x0A\x0B\x0C\x0D\x20\xA0\u1680\u180E\u2000\u2001\u2002\u2003' +
`\u2004\u2005\u2006\u2007\u2008\u2009\u200A\u202F\u205F\u3000\u2028\u2029\uFEFF';
`
"frequency": {
    "monthly": "Monthly",
    "yearly": "Yearly",
    "onetime": "One time"
},
"result": {
    "sentence": "With this donation, you are <strong>changing the %{target}</strong>.",
    "conversation": "conversation",
    "rules": "rules",
    "world": "world"
},
"submit": "Donate now",
"benefits": {
    "heading": "ICIJ Insiders benefits",
    "introduction": "Your monthly or annual donation will give you the following benefits.",
    "more": "More about donations",
    "impacts": {
        "conversation": {
            "heading": "Change the conversation",
            "highlight": "$3-$14/month (or $35-$179/year)",
            "list": [
                "ICIJ Insider Newsletter (quarterly)",
                "ICIJ’s Weekly Update"
            ]
        },
        "rules": {
            "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",
                "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",
                "ICIJ Insider Newsletter (quarterly)",
                "ICIJ’s Weekly Update"
            ]
        }
    }
}
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.
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10567
Open Source Used In Branch Migration Tool 1.9 10587
value & & value._esModule) return value;  
    
    /**
    * Used to resolve the
    * `toStringTag`
    * of values.
    */
    var nativeObjectToString = objectProto.toString;
    var symToStringTag = Symbol ?
    Symbol.toStringTag : undefined;
    var getRawTag = function (value) {
        var isOwn = hasOwnProperty.call(value, symToStringTag),
            tag = value[symToStringTag];
        try {
            value[symToStringTag] = undefined;
            var unmasked = true;
        } catch (e) {
        }
        var result = nativeObjectToString.call(value);
        if (unmasked) {
            if (isOwn) {
                value[symToStringTag] = tag;
            } else {
                delete value[symToStringTag];
            }
        }
        return result;
    };
    module.exports = getRawTag;
nativeKeys = require('._nativeKeys');

var

Object.prototype

function baseKeys(object) {

    if (isPrototypeOf(object)) {
      return nativeKeys(object);
    }

  var var Symbol = require('Symbol'),
  isArguments = require('isArguments'),
  isArray = require('isArray');

  /**
   * Checks if `value` is a flattenable `arguments` object or array.
   *
   * @private
   * @param {*} value The value to check.
   * @returns {boolean} Returns `true` if `value` is flattenable, else `false`.
   */

  var

  function isFlattenable(value) {
    return isArray(value) || isArguments(value) ||
    !!(spreadableSymbol && value && value[spreadableSymbol]);

  }

  module.exports = isFlattenable;

/**
 * This method returns `false`.
 *
 * @static
 * @memberOf _
 * @since 4.13.0
 * @category Util
 * @returns {boolean} Returns `false`.
 *
 * @example
 *
 * _.times(2, _.stubFalse);
 * // => [false, false]
 */

  function stubFalse() {
    return false;

  }

  module.exports = stubFalse;

/**
 * Appends the elements of `values` to `array`.
 *
 * @private
 * @param {Array} array The array to modify.
 * @param {Array} values The values to append.
 * @returns {Array} Returns `array`.
 */

  function arrayPush(array, values) {
    var index = -1,
    length = values.length,
    offset = array.length;

    while (++index < length) {
      array[offset + index] = values[index];
    }
    return array;

  }

  module.exports = arrayPush;


/**
 * Gets the native function at `key` of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {Array} object The object to query.
 * @returns {Array} Returns the array of property names.
 */

  function baseKeys(object) {
    if (isPrototypeOf(object)) {
      return nativeKeys(object);
    }

    var var result = [];

    for (var key in object) {
      if (hasOwnProperty.call(object, key) &&
          key != 'constructor') {
        result.push(key);
      }
    }
    return result;

  }

  module.exports = baseKeys;


// 21.2.5.3 get RegExp.prototype.flags
var anObject = require('._an-object');
module.exports = function () {
  var that = anObject(this);
  var result = '';

  if (that.global) result += 'g';
  if (that.ignoreCase) result += 'i';

  return result;

};
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.exports;

/** Detect the popular CommonJS extension 'module.exports'. */
var moduleExports = freeModule && freeExports.module.exports === freeExports;

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;

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var freeModule = freeExports && typeof module === 'object' && module && module.nodeType && module.exports;

/** Detect the popular CommonJS extension 'module.exports'. */
var moduleExports = freeModule && freeExports.module.exports === freeExports;

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if (that.multiline) result += 'm';
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  if (that.sticky) result += 'y';
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    stubFalse = require('./stubFalse');

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/** Detect free variable 'module'. */
var freeModule = freeExports && typeof module === 'object' && module && module.nodeType && module.exports;
positionals

```javascript
/**
 * Checks a node for validity as a Sizzle context
 * @param {Element|Object} context
 * @returns {Element|Object|Boolean} True if context is an HTML
 * document, false otherwise.
 */
function testContext( context ) {
	return context && typeof context.getElementsByTagName !== "undefined" && context;
}

// Expose support vars for convenience
support = 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 = Sizzle.isXML = function( elem ) {
	// documentElement is verified for cases where it doesn't yet exist
	// (such as loading iframes in IE - #4833)
	var documentElement = elem && (elem.ownerDocument || elem).documentElement;
	return documentElement ? documentElement.nodeName !== "HTML" : false;

/**
 * Sets document-related variables once based on the current document.
 * @param {Element|Object} doc An element or document object
to use to set the document vars
 * @returns {Object} Returns the current document.
 */
setDocument = Sizzle.setDocument = function( node ) {
	var hasCompare,
		subWindow,
		doc = node ? node.ownerDocument || node : preferredDoc;

	// 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 9-11, Edge
	// Accessing iframe documents after unload throws "permission denied" errors
	// (jQuery #13936)
	if ( typeof urlvar !== "undefined" && &context\n
```
}
elems[i++])

\{\n  var elem,\n  tmp = [],
  i = 0,
  // By happy coincidence, a (broken) gEBTN appears on DocumentFragment nodes
to\n  if ( elem.nodeType === 1 ) {\n    tmp.push( elem );
  }\n\}

\};

// Tag
Expr.find["TAG"] = support.getElementsByTagName ?
  function( tag, context ) {
    // DocumentFragment nodes don't have gEBTN\n    if ( support.qsa ) {\n      \n        // Filter out possible comments\n        if ( tag === "\n" ) {\n          \n            \n            \n          }\n          return context.querySelectorAll( tag );
        } else if ( support.qsa ) {\n          return context.querySelectorAll( tag );
        } else {\n          return context.getElementsByTagName( tag );
        }
    } else {\n      \n        \n    }\n
// Class
Expr.find["CLASS"] = support.getElementsByClassName && function( className, context ) {
    if ( typeof context.getElementsByClassName !== "undefined" && documentIsHTML ) {
      return context.getElementsByClassName( className );
    }
  }

/* QSA/matchesSelector
----------------------------
------------------------------------------ */

// QSA and matchesSelector support
matchesSelector:active)

assert(function( el ) {
  // Select is set to empty string on purpose\n  // This is to test IE's treatment of not explicitly setting a boolean content attribute,\n  // since its presence should be enough\n  // https://bugs.jquery.com/ticket/13378
  return true;\n});

// FF 3.5 - :enabled/:disabled and hidden elements (hidden elements are still enabled)
// IE8 throws error here and will not see later tests\n\};

// Safari 8+, iOS 8+\nhttps://bugs.webkit.org/show_bug.cgi?id=136851\n\};

// Support: Windows 8 Native Apps\nThe type and name attributes are restricted during .innerHTML assignment\n\};

\}

\}

\}

\}

\}
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```javascript
if ( useCache ) {
// ...in a gzip-friendly way
node = nodeIndex && parent.childNodes[nodeIndex];
while ( (node = ++nodeIndex && parent.lastChild) ) {

// Reverse direction for :only-* (if we
target something like the 5th sibling)
parent = node.parentNode;

// When found, cache indexes on `parent` and break
if ( node.nodeType !== 1 && ++diff && node === elem ) {

// Non-xml :nth-child(0, 3)
var unquoted = match[2] = unquoted.slice( 0, 3 );

// For XML, try the Class Cache
if ( match[2] && typeof elem.className === "string" ) {

// Check for text content (which is just a string)
if ( text && typeof text === "string" ) {

// Simple version - no parentheses
if ( excess = unquoted.indexOf("\)", unquoted.length - excess ) - unquoted.length ) {

```
```
function( elem ) { return elem === docElem; }

// Positional pseudos
Expr.pseudos["even"] = createPositionalPseudo(function( matchIndexes, length ) {
	var i = 0;
	for ( ; i < length; i += 2 ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["odd"] = createPositionalPseudo(function( matchIndexes, length ) {
	var i = 1;
	for ( ; i < length; i += 2 ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["gt"] = createPositionalPseudo(function( matchIndexes, length, argument ) {
	var i = argument < 0 ? argument + length : argument;
	for ( ; ++i < length; ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["lt"] = createPositionalPseudo(function( matchIndexes, length, argument ) {
	var i = argument < 0 ? argument + length : argument;
	for ( ; --i >= 0; ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["nth"] = createPositionalPseudo(function( matchIndexes, length, argument ) {
	var i = 0;
	for ( ; i < length; i += argument + 1 ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["eq"] = createPositionalPseudo(function( matchIndexes, length ) {
	var i = 0;
	for ( ; i < length; i += 1 ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["add"] = createPositionalPseudo(function( matchIndexes, length, argument ) {
	var i = 0;
	for ( ; i < length; i += argument ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["not"] = createPositionalPseudo(function( matchIndexes, length ) {
	var i = 0;
	for ( ; i < length; i += 1 ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});

Expr.pseudos["position"] = createPositionalPseudo(function( matchIndexes, length ) {
	var i = 0;
	for ( ; i < length; i += 1 ) {
		matchIndexes.push( i );
	}
	return matchIndexes;
});
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matcher

t = temp.length;
while ( t-- ) {
	if ( (elem = temp[t]) ) {
		preFilter( temp, [], context, xml );

	// Un-match failing elements by moving them back to context, xml );
	}

// Apply preFilter
	if ( preFilter ) {
		temp = condense( matcherIn, preMap, preFilter, context, xml );

	// Prefilter to get matcher input, preserving a map for seed-results synchronization
	ematcherIn = matcher ?
		false;
		newUnmatched = [], i = 0,
		len = unmatched.length,
	
timeout = context, xml );
		var i = 0,
		len = contexts.length;
	for ( ; i < len; i++ ) {
		Sizzle( selector, contexts[i], results ) {
					m = matches[i][0] === dirruns && matches[i][1] === doneName ) {

					// Assign to newCache so results back-propagate to previous
	emelements
					// Reuse newcache so results back-propagate to previous elements
					false;
					newUnmatched.push( elem );
					if ( mapped ) {
					map.push( i++ ) {
		if ( (elem = unmatched[i]) ) {
			if ( !filter || filter( elem, context, xml ) ) {
					m = matches[i][0] === dirruns && matches[i][1] === doneName ) {

					// Assign to newCache so results back-propagate to previous
	emelements
					false;
					return false;
		}
		} else {
			m = matches[i][0] === dirruns && matches[i][1] === doneName ) {

					// Assign to newCache so results back-propagate to previous
	emelements
					false;
					return false;
		}
		} else {
			m = matches[i][0] === dirruns && matches[i][1] === doneName ) {

					// Assign to newCache so results back-propagate to previous
	emelements
					false;
					return false;
		}
		} else {
			m = matches[i][0] === dirruns && matches[i][1] === doneName ) {

					// Assign to newCache so results back-propagate to previous
	emelements
					false;
					return false;
		}
		} else {
			m = matches[i][0] === dirruns && matches[i][1] === doneName ) {

					// Assign to newCache so results back-propagate to previous
	emelements
					false;
					return false;
		}
		} else {
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context.parentNode) || context.parentNode || context
	);
	return results;
};

// One-time assignments

// Sort stability

// Support: IE<8

// One-time assignments

// Sort stability

// Support: IE<8

// One-time assignments

// Support: Chrome 14-35+
// Always assume duplicates if they aren't passed to the comparison function

// Support: Webkit<537.32 - Safari 6.0.3/Chrome 27
// Detached nodes confoundingly follow *each other*

// Support: IE<8
// Use default Value in place of getAttribute('value')

// One-time assignments

// Support: Chrome 14-35+
// Always assume duplicates if they aren't passed to the comparison function

// Support: Webkit<537.32 - Safari 6.0.3/Chrome 27
// Detached nodes confoundingly follow *each other*

// Support: IE<8
// Use getAttributeNode to fetch booleans when getAttribute lies

// Support: IE<9
// Use getAttributeNode to fetch booleans when getAttribute lies

// Implement the identical functionality for filter and not

// Implement the identical functionality for filter and not

// Sort stability

// Support: Chrome 14-35+
// Always assume duplicates if they aren't passed to the comparison function
detachedNodes.confoundinglyFollow*each other*
if we're done with it
			if ( !options.memory ) {
				memory = false;
			}

			firing = false;

			// Fire
						firingIndex = list.length;
						memory = false;
					}
				}
			}

			// Forget the data
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					...
Clean up if we're done firing for good

{ typeof self == 'function' && isFunction( self ) } { since it would have no effect on execution })

Add a callback or a collection of callbacks to the list

{ typeof list == 'object' && isObject( list ) }

Check for promise aspect first to privilege synchronous behavior

{ typeof promise == 'function' && isFunction( promise ) }

We can skip the extra checks appearing in

{ typeof defer == 'object' && isObject( defer ) }

Strict mode functions invoked without .call/.apply get global-object context uninsured

{ typeof extend == 'function' && isFunction( extend ) }

Keep pipe for back-compat
A counter to track how many items to wait for before the ready event fires. See #6781\nHandle when the DOM is ready\nSet to true to once it occurs.\nA fallback to window.onload, that will always work\nA multifunctional method to get and set values of a collection\nMatches cases where $(document).ready() is called in after the browser event has already occurred.

```
// Multifunctional method to get and set values of a collection
// The value/s can optionally be executed if it's a function
// Used by camelCase as callback to replace()
function access( elems, fn, key, value, chainable, emptyGet, raw ) {
    var i = 0,
        len = elems.length,
        bulk = key == null;

    // Sets many values
    if ( toType( key ) === "object" ) {
        chainable = true;
        for ( i in key ) { access( elems, fn, i, key[ i ], true, emptyGet, raw ); }

    // Sets one value
    } else if ( value !== undefined ) {
        chainable = true;
        if ( !isFunction( value ) ) { raw = true; }

        if ( bulk ) {
            for ( ; i < len; i++ ) {
                fn( elems[ i ], key, raw ? value : value.call( elems[ i ], i, fn( elems[ i ], key ) ) );
            }
        }

        if ( chainable ) { return elems; }

        // Gets
        if ( bulk ) { return fn.call( elems ); }

        return len ? fn( elems[ 0 ], key ) : emptyGet;
    }
}
```

```
// Bulk operations run against the entire set\n// Raw: {\n//    {\n//        fn: function( e, k, v ) {\n//            \n//        },\n//        key: "value",\n//        value: \n//    },\n//    {\n//        fn: function( e, k, v ) {\n//            \n//        },\n//        key: "list",\n//        value: \n//    },\n//    {\n//        fn: function( e, k, v ) {\n//            \n//        },\n//        key: "set",\n//        value: \n//    }
//} \n// Used by camelCase as callback to replace()
// used by the css and data modules\n// Support: IE <=11, Edge 12 - 15\n// Microsoft forgot to hump their vendor prefix (#9572)
// function camelCase( string ) {\n//      \n
// Matches dashed string for camelizing\n// var msPrefix = /^~ms-/.test( dashAlpha );\n// Used by camelCase as callback to replace()
// used by the css and data modules
```
configurable must be true to allow the property to be removed when data is removed

...
dataPriv methods, these can be deprecated.

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Android <=4.1 only

```javascript
// Older WebKit doesn't clone checked state correctly in fragments

support.checkClone = "checked", "checked" );
input.setAttribute( "name", "t" );

// Support:
and `type` must use .setAttribute for WWA (#14901)
input.setAttribute( "type", "radio" );

// Check state lost if the name is set (#11217)
// Support: Windows Web Apps (WWA)
// `name`
```
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```
if ( !special.setup ||
    special.setup.call( elem, data, namespaces, eventHandle ) ) {
    events[type] = [];
    handlers.delegateCount = 0;

    // Only use addEventListener if the special events
    // Init the event handler queue if we're the first
    if ( !( handlers = events[type] ) ) {
       _handlers = elemData.events = {};
        elemData.handle = function( e ) {
            // Discard the second event of a
            if ( e.type === e.originalType ) {
                return false;
            }

            // Can use an empty set, since event contains the
caller can remove using origFn
            fn.guid = origFn.guid || ( origFn.guid = jQuery.guid++ );
            return fn.apply( this, arguments );
        }

        // Use same guid so caller
        if ( fn === false ) {
            fn = returnFalse;
        } else if ( !fn ) {
            return elem;
        }

        // ( types-Object, data )
        if ( typeof data === "string" ) {
            fn = data;
        } else if ( fn == null ) {
            fn = selector;
        }

        // ( types-Object, data )
        if ( typeof data === "object" ) {
            fn = data.origFn;
            data = selector;
            type = origType = tmp[1];
            t = types.length;
            while ( t-- ) {
                tmp = rtypenamespace.exec( types[t] ) ||
                    return lodash.sortBy( eventHandle );
        }
    }
```
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handlers ) {\n\t\tvar i, handleObj, sel, matchedHandlers, matchedSelectors,\n\t\t\thandlerQueue =
[],\n\t\t\tdelegateCount = handlers.delegateCount,\n\t\t\tcur = event.target;\n\n\t\t// Find delegate handlers\n\t\tif (
delegateCount &&\n\n\t\t\t// Support: IE <=9\n\t\t\t// Black-hole SVG <use> instance trees (trac13180)\n\t\t\tcur.nodeType &&\n\n\t\t\t// Support: Firefox <=42\n\t\t\t// Suppress spec-violating clicks indicating a
non-primary pointer button (trac-3861)\n\t\t\t// https://www.w3.org/TR/DOM-Level-3-Events/#event-typeclick\n\t\t\t// Support: IE 11 only\n\t\t\t// ...but not arrow key \"clicks\" of radio inputs, which can have `button` -1
(gh-2343)\n\t\t\t!( event.type === \"click\" && event.button >= 1 ) ) {\n\n\t\t\tfor ( ; cur !== this; cur =
cur.parentNode || this ) {\n\n\t\t\t\t// Don't check non-elements (#13208)\n\t\t\t\t// Don't process clicks on disabled
elements (#6911, #8165, #11382, #11764)\n\t\t\t\tif ( cur.nodeType === 1 && !( event.type === \"click\" &&
cur.disabled === true ) ) {\n\t\t\t\t\tmatchedHandlers = [];\n\t\t\t\t\tmatchedSelectors = {};\n\t\t\t\t\tfor ( i = 0; i <
delegateCount; i++ ) {\n\t\t\t\t\t\thandleObj = handlers[ i ];\n\n\t\t\t\t\t\t// Don't conflict with Object.prototype
properties (#13203)\n\t\t\t\t\t\tsel = handleObj.selector + \" \";\n\n\t\t\t\t\t\tif ( matchedSelectors[ sel ] === undefined
) {\n\t\t\t\t\t\t\tmatchedSelectors[ sel ] = handleObj.needsContext ?\n\t\t\t\t\t\t\t\tjQuery( sel, this ).index( cur ) > -1
:\n\t\t\t\t\t\t\t\tjQuery.find( sel, this, null, [ cur ] ).length;\n\t\t\t\t\t\t}\n\t\t\t\t\t\tif ( matchedSelectors[ sel ] )
{\n\t\t\t\t\t\t\tmatchedHandlers.push( handleObj );\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tif ( matchedHandlers.length )
{\n\t\t\t\t\t\thandlerQueue.push( { elem: cur, handlers: matchedHandlers } );\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\t//
Add the remaining (directly-bound) handlers\n\t\tcur = this;\n\t\tif ( delegateCount < handlers.length )
{\n\t\t\thandlerQueue.push( { elem: cur, handlers: handlers.slice( delegateCount ) } );\n\t\t}\n\n\t\treturn
handlerQueue;\n\t},\n\n\taddProp: function( name, hook ) {\n\t\tObject.defineProperty( jQuery.Event.prototype,
name, {\n\t\t\tenumerable: true,\n\t\t\tconfigurable: true,\n\n\t\t\tget: isFunction( hook ) ?\n\t\t\t\tfunction()
{\n\t\t\t\t\tif ( this.originalEvent ) {\n\t\t\t\t\t\t\treturn hook( this.originalEvent );\n\t\t\t\t\t}\n\t\t\t\t}
:\n\t\t\t\tfunction() {\n\t\t\t\t\tif ( this.originalEvent ) {\n\t\t\t\t\t\t\treturn this.originalEvent[ name
];\n\t\t\t\t\t}\n\t\t\t\t},\n\n\t\t\tset: function( value ) {\n\t\t\t\tObject.defineProperty( this, name, {\n\t\t\t\t\tenumerable:
true,\n\t\t\t\t\tconfigurable: true,\n\t\t\t\t\twritable: true,\n\t\t\t\t\tvalue: value\n\t\t\t\t} );\n\t\t\t}\n\t\t} );\n\t},\n\n\tfix:
function( originalEvent ) {\n\t\treturn originalEvent[ jQuery.expando ] ?\n\t\t\toriginalEvent :\n\t\t\tnew
jQuery.Event( originalEvent );\n\t},\n\n\tspecial: {\n\t\tload: {\n\n\t\t\t// Prevent triggered image.load events from
bubbling to window.load\n\t\t\tnoBubble: true\n\t\t},\n\t\tfocus: {\n\n\t\t\t// Fire native event if possible so blur/focus
sequence is correct\n\t\t\ttrigger: function() {\n\t\t\t\tif ( this !== safeActiveElement() && this.focus )
{\n\t\t\t\t\tthis.focus();\n\t\t\t\t\treturn false;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdelegateType: \"focusin\"\n\t\t},\n\t\tblur:
{\n\t\t\ttrigger: function() {\n\t\t\t\tif ( this === safeActiveElement() && this.blur )
{\n\t\t\t\t\tthis.blur();\n\t\t\t\t\treturn false;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdelegateType: \"focusout\"\n\t\t},\n\t\tclick:
{\n\n\t\t\t// For checkbox, fire native event so checked state will be right\n\t\t\ttrigger: function() {\n\t\t\t\tif (
this.type === \"checkbox\" && this.click && nodeName( this, \"input\" ) ) {\n\t\t\t\t\tthis.click();\n\t\t\t\t\treturn
false;\n\t\t\t\t}\n\t\t\t},\n\n\t\t\t// For cross-browser consistency, don't fire native .click() on links\n\t\t\t_default:
function( event ) {\n\t\t\t\treturn nodeName( event.target, \"a\" );\n\t\t\t}\n\t\t},\n\n\t\tbeforeunload:
{\n\t\t\tpostDispatch: function( event ) {\n\n\t\t\t\t// Support: Firefox 20+\n\t\t\t\t// Firefox doesn't alert if the
returnValue field is not set.\n\t\t\t\tif ( event.result !== undefined && event.originalEvent )
{\n\t\t\t\t\tevent.originalEvent.returnValue = event.result;\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t}\n};\n\njQuery.removeEvent =
function( elem, type, handle ) {\n\n\t// This \"if\" is needed for plain objects\n\tif ( elem.removeEventListener )
{\n\t\telem.removeEventListener( type, handle );\n\t}\n};\n\njQuery.Event = function( src, props ) {\n\n\t// Allow
instantiation without the 'new' keyword\n\tif ( !( this instanceof jQuery.Event ) ) {\n\t\treturn new jQuery.Event( src,
props );\n\t}\n\n\t// Event object\n\tif ( src && src.type ) {\n\t\tthis.originalEvent = src;\n\t\tthis.type =
src.type;\n\n\t\t// Events bubbling up the document may have been marked as prevented\n\t\t// by a handler lower
down the tree; reflect the correct value.\n\t\tthis.isDefaultPrevented = src.defaultPrevented
||\n\t\t\t\tsrc.defaultPrevented === undefined &&\n\n\t\t\t\t// Support: Android <=2.3 only\n\t\t\t\tsrc.returnValue
=== false ?\n\t\t\treturnTrue :\n\t\t\treturnFalse;\n\n\t\t// Create target properties\n\t\t// Support: Safari <=6 - 7
only\n\t\t// Target should not be a text node (#504, #13143)\n\t\tthis.target = ( src.target && src.target.nodeType
=== 3 ) ?\n\t\t\tsrc.target.parentNode :\n\t\t\tsrc.target;\n\n\t\tthis.currentTarget =

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src.currentTarget;\n\t\tthis.relatedTarget = src.relatedTarget;\n\n\t// Event type\n\t} else {\n\t\tthis.type =
src;\n\t}\n\n\t// Put explicitly provided properties onto the event object\n\tif ( props ) {\n\t\tjQuery.extend( this,
props );\n\t}\n\n\t// Create a timestamp if incoming event doesn't have one\n\tthis.timeStamp = src &&
src.timeStamp || Date.now();\n\n\t// Mark it as fixed\n\tthis[ jQuery.expando ] = true;\n};\n\n// jQuery.Event is based
on DOM3 Events as specified by the ECMAScript Language Binding\n// https://www.w3.org/TR/2003/WD-DOMLevel-3-Events-20030331/ecma-script-binding.html\njQuery.Event.prototype = {\n\tconstructor:
jQuery.Event,\n\tisDefaultPrevented: returnFalse,\n\tisPropagationStopped:
returnFalse,\n\tisImmediatePropagationStopped: returnFalse,\n\tisSimulated: false,\n\n\tpreventDefault: function()
{\n\t\tvar e = this.originalEvent;\n\n\t\tthis.isDefaultPrevented = returnTrue;\n\n\t\tif ( e && !this.isSimulated )
{\n\t\t\te.preventDefault();\n\t\t}\n\t},\n\tstopPropagation: function() {\n\t\tvar e =
this.originalEvent;\n\n\t\tthis.isPropagationStopped = returnTrue;\n\n\t\tif ( e && !this.isSimulated )
{\n\t\t\te.stopPropagation();\n\t\t}\n\t},\n\tstopImmediatePropagation: function() {\n\t\tvar e =
this.originalEvent;\n\n\t\tthis.isImmediatePropagationStopped = returnTrue;\n\n\t\tif ( e && !this.isSimulated )
{\n\t\t\te.stopImmediatePropagation();\n\t\t}\n\n\t\tthis.stopPropagation();\n\t}\n};\n\n// Includes all common event
props including KeyEvent and MouseEvent specific props\njQuery.each( {\n\taltKey: true,\n\tbubbles:
true,\n\tcancelable: true,\n\tchangedTouches: true,\n\tctrlKey: true,\n\tdetail: true,\n\teventPhase: true,\n\tmetaKey:
true,\n\tpageX: true,\n\tpageY: true,\n\tshiftKey: true,\n\tview: true,\n\t\"char\": true,\n\tcharCode: true,\n\tkey:
true,\n\tkeyCode: true,\n\tbutton: true,\n\tbuttons: true,\n\tclientX: true,\n\tclientY: true,\n\toffsetX: true,\n\toffsetY:
true,\n\tpointerId: true,\n\tpointerType: true,\n\tscreenX: true,\n\tscreenY: true,\n\ttargetTouches: true,\n\ttoElement:
true,\n\ttouches: true,\n\n\twhich: function( event ) {\n\t\tvar button = event.button;\n\n\t\t// Add which for key
events\n\t\tif ( event.which == null && rkeyEvent.test( event.type ) ) {\n\t\t\treturn event.charCode != null ?
event.charCode : event.keyCode;\n\t\t}\n\n\t\t// Add which for click: 1 === left; 2 === middle; 3 === right\n\t\tif (
!event.which && button !== undefined && rmouseEvent.test( event.type ) ) {\n\t\t\tif ( button & 1 ) {\n\t\t\t\treturn
1;\n\t\t\t}\n\n\t\t\tif ( button & 2 ) {\n\t\t\t\treturn 3;\n\t\t\t}\n\n\t\t\tif ( button & 4 ) {\n\t\t\t\treturn
2;\n\t\t\t}\n\n\t\t\treturn 0;\n\t\t}\n\n\t\treturn event.which;\n\t}\n}, jQuery.event.addProp );\n\n// Create
mouseenter/leave events using mouseover/out and event-time checks\n// so that event delegation works in
jQuery.\n// Do the same for pointerenter/pointerleave and pointerover/pointerout\n//\n// Support: Safari 7 only\n//
Safari sends mouseenter too often; see:\n// https://bugs.chromium.org/p/chromium/issues/detail?id=470258\n// for
the description of the bug (it existed in older Chrome versions as well).\njQuery.each( {\n\tmouseenter:
\"mouseover\",\n\tmouseleave: \"mouseout\",\n\tpointerenter: \"pointerover\",\n\tpointerleave: \"pointerout\"\n},
function( orig, fix ) {\n\tjQuery.event.special[ orig ] = {\n\t\tdelegateType: fix,\n\t\tbindType: fix,\n\n\t\thandle:
function( event ) {\n\t\t\tvar ret,\n\t\t\t\ttarget = this,\n\t\t\t\trelated = event.relatedTarget,\n\t\t\t\thandleObj =
event.handleObj;\n\n\t\t\t// For mouseenter/leave call the handler if related is outside the target.\n\t\t\t// NB: No
relatedTarget if the mouse left/entered the browser window\n\t\t\tif ( !related || ( related !== target &&
!jQuery.contains( target, related ) ) ) {\n\t\t\t\tevent.type = handleObj.origType;\n\t\t\t\tret =
handleObj.handler.apply( this, arguments );\n\t\t\t\tevent.type = fix;\n\t\t\t}\n\t\t\treturn ret;\n\t\t}\n\t};\n}
);\n\njQuery.fn.extend( {\n\n\ton: function( types, selector, data, fn ) {\n\t\treturn on( this, types, selector, data, fn
);\n\t},\n\tone: function( types, selector, data, fn ) {\n\t\treturn on( this, types, selector, data, fn, 1 );\n\t},\n\toff:
function( types, selector, fn ) {\n\t\tvar handleObj, type;\n\t\tif ( types && types.preventDefault &&
types.handleObj ) {\n\n\t\t\t// ( event ) dispatched jQuery.Event\n\t\t\thandleObj = types.handleObj;\n\t\t\tjQuery(
types.delegateTarget ).off(\n\t\t\t\thandleObj.namespace ?\n\t\t\t\t\thandleObj.origType + \".\" +
handleObj.namespace
:\n\t\t\t\t\thandleObj.origType,\n\t\t\t\thandleObj.selector,\n\t\t\t\thandleObj.handler\n\t\t\t);\n\t\t\treturn
this;\n\t\t}\n\t\tif ( typeof types === \"object\" ) {\n\n\t\t\t// ( types-object [, selector] )\n\t\t\tfor ( type in types )
{\n\t\t\t\tthis.off( type, selector, types[ type ] );\n\t\t\t}\n\t\t\treturn this;\n\t\t}\n\t\tif ( selector === false || typeof
selector === \"function\" ) {\n\n\t\t\t// ( types [, fn] )\n\t\t\tfn = selector;\n\t\t\tselector = undefined;\n\t\t}\n\t\tif ( fn
=== false ) {\n\t\t\tfn = returnFalse;\n\t\t}\n\t\treturn this.each( function() {\n\t\t\tjQuery.event.remove( this, types,
fn, selector );\n\t\t} );\n\t}\n} );\n\n\nvar\n\n\t/* eslint-disable max-len */\n\n\t// See

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https://github.com/eslint/eslint/issues/3229\n\nhttps://connect.microsoft.com/IE/feedback/details/1736512
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```javascript
var elem = this[0] || {}, i = 0, l = this.length;

if (value === undefined && elem.nodeType === 1) {
  return elem.innerHTML;
}

// See if we can take a shortcut and just use innerHTML
if (typeof value === "string" && !rnoInnerhtml.test(value) &&
  !wrapMap[rtagName.exec(value)[1].toLowerCase()]) {
  value = jQuery.htmlPrefilter(value);

  try {
    for (i < l; i++) {
      elem = this[i] || {};

      // Remove element nodes and prevent memory leaks
      if (elem.nodeType === 1) {
        jQuery.cleanData(getAll(elem, false));
        elem.innerHTML = value;
      }
    }
  }
}

if (elem) {
  this.empty().append(value);
}, null, value, arguments.length);

jQuery.each({
  appendTo: "append",
  prependTo: "prepend",
  insertBefore: "before",
  insertAfter: "after",
  replaceAll: "replaceWith"
}, function(name, original) {
  jQuery.fn[name] = function(selector) {
    var elems, ret = [], insert = jQuery(selector), last = insert.length - 1, i = 0;

    for (; i <= last; i++) {
      elems = i === last ? this : this.clone(true);
      insert[i][original](elems);

      // Support: Android 4.0 - 4.3 only, Firefox <=3 - 44
      // Some styles come back with percentage values, even though they shouldn't
      // Support: IE 9 - 11 only
      // Detect misreporting of content dimensions for box-sizing:border-box elements
      boxSizingReliableTests.push(function() {
        // So they're executed at the same time to save the second computation.
        var div = document.createElement("div");
        div.style.backgroundClip = "content-box";
        div.cloneNode(true).style.backgroundClip = "";

        var img = document.createElement("img");
        img.src = "data:image/gif;base64,R0lGODlhAQABAIAAAAAAAP///yH5BAEAAAAALAAAAAABAAEAAAIBRAA7"
        div.appendChild(img);

        return (this.clientTop + this.clientLeft) - (img.clientTop + img.clientLeft);
      });

      // 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;
    }
  }, 0);

  // Finish early in limited (non-browser) environments
  if (!div) {
    return;
  }

  // Detect disrepairing of content dimensions for box-sizing:border-box elements
  boxSizingReliableTests.push(function() {
    // So they're executed at the same time to save the second computation.
    var div = document.createElement("div");
    div.style.backgroundClip = "content-box";
    div.cloneNode(true).style.backgroundClip = "";

    var img = document.createElement("img");
    img.src = "data:image/gif;base64,R0lGODlhAQABAIAAAAAAAP///yH5BAEAAAAALAAAAAABAAEAAAIBRAA7"
    div.appendChild(img);

    return (this.clientTop + this.clientLeft) - (img.clientTop + img.clientLeft);
  });
}
```

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Open Source Used In Branch Migration Tool 1.9  10642

+ padding + border), we're seeking "content" or "padding" or "margin"

    { }

    // For elem, "border" + cssExpand[ i ] + "Width", true, styles );

    // But still keep track of it otherwise
    { extra += jQuery.css( elem, "border" + cssExpand[ i ], true, styles );

    // "border" or "padding" or "margin"
    { if ( box !== "padding" ) {

        delta += jQuery.css( elem, "border" + cssExpand[ i ], true, styles );

    // "padding" or "margin"
    { }

    // If we get here with a border-box (content - padding + border)
    { if ( box !== "margin" ) {

        delta += jQuery.css( elem, "border" + cssExpand[ i ], true, styles );

    // "margin",
    { }

    // If we get here with a content-box (content + padding + border)
    { if ( box !== "padding" ) {

        delta += jQuery.css( elem, "padding" + cssExpand[ i ], true, styles );

    // "padding"
    { }

    // But with width seems to be reliably pixels.
    { this is Against the CSSOM draft spec https://drafts.csswg.org/cssom/#resolved-values

    return {

    get: function() {

        conditionFn() ) {

        ret = ( this.get = hookFn ).apply( this, arguments );

    // If the support test is not executed again.
    { return {

    get: function() {

        IE <=9 - 11 only
    { IE returns zIndex value as an integer.

    return { retina: function( conditionFn, hookFn ) { ...

    // Hook not needed (or it's not possible to use it due to missing dependency), remove it.
    { delete this.get; return {

    // This will check on the first run if it's really needed.
    { this.get = hookFn; apply( this, arguments );

    // Remember the original values
    { width = style.width;

    // But width seems to be reliably pixels.
    { // this is Against the CSSOM draft spec:

    // A tribute to the 'awesome hack by Dean Edwards' Android Browser returns percentage for some values,
    { but with width seems to be reliably pixels.

    // This is Against the CSSOM draft spec:

    // but with width seems to be reliably pixels.

    // This is Against the CSSOM draft spec:

    // but with width seems to be reliably pixels.
function getWidthOrHeight( elem, dimension, extra ) {

	// Start with computed style
	var styles = getStyles( elem ),
		val = curCSS( elem, dimension, styles ),
		isBorderBox = jQuery.css( elem, "boxSizing", false, styles ) === "border-box",
		valueIsBorderBox = isBorderBox;

	// Support: Firefox <=54
	// Return a confounding non-pixel value or feign ignorance, as appropriate.
	if ( rnumnonpx.test( val ) ) {
		[0].getElementsByTagName( 'auto' );
		val = "auto";
	}

	// Check for style in case a browser which returns unreliable values
	// for getComputedStyle silently falls back to the reliable elem.style
	valueIsBorderBox = valueIsBorderBox &&
		(support.boxSizingReliable() || val === elem.style[ dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ]);

	// Fall back to offsetWidth/offsetHeight when value is "auto"/"null" This happens for inline elements with no explicit setting (gh-3571)
	// Support: Android <=4.1 - 4.3 only
	// Also use offsetWidth/offsetHeight for misreported inline dimensions (gh-3602)
	if ( value === "auto" ||
		!parseFloat( val ) && jQuery.css( elem, "display", false, styles ) === "inline" ) {

		val = elem[ "offset" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ];

		// offsetWidth/offsetHeight provide border-box values
		valueIsBorderBox = true;
	}

	// Normalize "" and auto
	val = parseFloat( val ) || 0;

	// Adjust for the element's box model
	delta += Math.max( 0, Math.ceil( elem[ "offset" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ] -
			computedVal -
			delta -
			extra -
			0.5 ) );

	// Account for positive content-box scroll gutter when requested by providing
	delta += Math.max( 0, Math.ceil( elem[ "scrollLeft" || "scrollX", true, styles ] ) );

	// For "content" or "padding", subtract border
	if ( box !== "margin" ) {
			delta -= jQuery.css( elem, "border" + cssExpand[ i ], true, styles );
		}

	// For "content" or "padding", subtract border
	if ( box === "content" ) {
			delta -= jQuery.css( elem, "padding" + cssExpand[ i ], true, styles );
		}

	// Add in style property hooks for
	var hooks = jQuery.cssHooks[ name ] || jQuery.cssHooks[ origName ] || jQuery.cssHooks[ name ];

	// Don’t automatically add ”px” to these possibly-unitless properties
	number: true,
	"opacity": true,
	"order": true,
	"orphans": true,
	"widows": true,
	"zIndex": true,
	"zoom": true,
	"addInProperties": addInProperties
	}

	// Make sure that we’re working with the right name
	numberType === 3 ) || elem.nodeType === 8 || !elem.style ) {

		// Make sure that we’re working with the right name. We don’t want to query the value if it is a
	numberType === 3 ) || elem.nodeType === 8 || !elem.style ) {

		// Make sure that we’re working with the right name. We don’t want to query the
	numberType === 3 ) || elem.nodeType === 8 || !elem.style ) {

		// Make sure that we’re working with the right name. We don’t want to query the
	numberType === 3 ) || elem.nodeType === 8 || !elem.style ) {

		// Make sure that we’re working with the right name. We don’t want to query the

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= name.length;

```javascript
				for ( ; i < len; i++ ) {
					map[ name[ i ] ] = jQuery.css( elem, name[ i ], false, styles
[91x776]);
				}

				return map;
			}

			return value !== undefined ?
				jQuery.style( elem, name, value )
				jQuery.css( elem, name, value, arguments.length > 1 ? null
[91x761]:

```javascript
				// Back compat <1.8 extension point
				jQuery.fx = Tween.prototype.init;

```


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```javascript
```
elem, props, opts ) {\n\tvar prop, value, toggle, hooks, oldfire, propTween, restoreDisplay, display,\n\t\tisBox =
\"width\" in props || \"height\" in props,\n\t\tanim = this,\n\t\torig = {},\n\t\tstyle = elem.style,\n\t\thidden =
elem.nodeType && isHiddenWithinTree( elem ),\n\t\tdataShow = dataPriv.get( elem, \"fxshow\" );\n\n\t// Queueskipping animations hijack the fx hooks\n\tif ( !opts.queue ) {\n\t\thooks = jQuery._queueHooks( elem, \"fx\"
);\n\t\tif ( hooks.unqueued == null ) {\n\t\t\thooks.unqueued = 0;\n\t\t\toldfire =
hooks.empty.fire;\n\t\t\thooks.empty.fire = function() {\n\t\t\t\tif ( !hooks.unqueued )
{\n\t\t\t\t\toldfire();\n\t\t\t\t}\n\t\t\t};\n\t\t}\n\t\thooks.unqueued++;\n\n\t\tanim.always( function() {\n\n\t\t\t// Ensure
the complete handler is called before this completes\n\t\t\tanim.always( function() {\n\t\t\t\thooks.unqueued-;\n\t\t\t\tif ( !jQuery.queue( elem, \"fx\" ).length ) {\n\t\t\t\t\thooks.empty.fire();\n\t\t\t\t}\n\t\t\t} );\n\t\t} );\n\t}\n\n\t//
Detect show/hide animations\n\tfor ( prop in props ) {\n\t\tvalue = props[ prop ];\n\t\tif ( rfxtypes.test( value ) )
{\n\t\t\tdelete props[ prop ];\n\t\t\ttoggle = toggle || value === \"toggle\";\n\t\t\tif ( value === ( hidden ? \"hide\" :
\"show\" ) ) {\n\n\t\t\t\t// Pretend to be hidden if this is a \"show\" and\n\t\t\t\t// there is still data from a stopped
show/hide\n\t\t\t\tif ( value === \"show\" && dataShow && dataShow[ prop ] !== undefined ) {\n\t\t\t\t\thidden =
true;\n\n\t\t\t\t// Ignore all other no-op show/hide data\n\t\t\t\t} else {\n\t\t\t\t\tcontinue;\n\t\t\t\t}\n\t\t\t}\n\t\t\torig[
prop ] = dataShow && dataShow[ prop ] || jQuery.style( elem, prop );\n\t\t}\n\t}\n\n\t// Bail out if this is a no-op like
.hide().hide()\n\tpropTween = !jQuery.isEmptyObject( props );\n\tif ( !propTween && jQuery.isEmptyObject( orig )
) {\n\t\treturn;\n\t}\n\n\t// Restrict \"overflow\" and \"display\" styles during box animations\n\tif ( isBox &&
elem.nodeType === 1 ) {\n\n\t\t// Support: IE <=9 - 11, Edge 12 - 15\n\t\t// Record all 3 overflow attributes because
IE does not infer the shorthand\n\t\t// from identically-valued overflowX and overflowY and Edge just mirrors\n\t\t//
the overflowX value there.\n\t\topts.overflow = [ style.overflow, style.overflowX, style.overflowY ];\n\n\t\t//
Identify a display type, preferring old show/hide data over the CSS cascade\n\t\trestoreDisplay = dataShow &&
dataShow.display;\n\t\tif ( restoreDisplay == null ) {\n\t\t\trestoreDisplay = dataPriv.get( elem, \"display\"
);\n\t\t}\n\t\tdisplay = jQuery.css( elem, \"display\" );\n\t\tif ( display === \"none\" ) {\n\t\t\tif ( restoreDisplay )
{\n\t\t\t\tdisplay = restoreDisplay;\n\t\t\t} else {\n\n\t\t\t\t// Get nonempty value(s) by temporarily forcing
visibility\n\t\t\t\tshowHide( [ elem ], true );\n\t\t\t\trestoreDisplay = elem.style.display ||
restoreDisplay;\n\t\t\t\tdisplay = jQuery.css( elem, \"display\" );\n\t\t\t\tshowHide( [ elem ] );\n\t\t\t}\n\t\t}\n\n\t\t//
Animate inline elements as inline-block\n\t\tif ( display === \"inline\" || display === \"inline-block\" &&
restoreDisplay != null ) {\n\t\t\tif ( jQuery.css( elem, \"float\" ) === \"none\" ) {\n\n\t\t\t\t// Restore the original
display value at the end of pure show/hide animations\n\t\t\t\tif ( !propTween ) {\n\t\t\t\t\tanim.done( function()
{\n\t\t\t\t\t\tstyle.display = restoreDisplay;\n\t\t\t\t\t} );\n\t\t\t\t\tif ( restoreDisplay == null ) {\n\t\t\t\t\t\tdisplay =
style.display;\n\t\t\t\t\t\trestoreDisplay = display === \"none\" ? \"\" : display;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t\tstyle.display
= \"inline-block\";\n\t\t\t}\n\t\t}\n\t}\n\n\tif ( opts.overflow ) {\n\t\tstyle.overflow = \"hidden\";\n\t\tanim.always(
function() {\n\t\t\tstyle.overflow = opts.overflow[ 0 ];\n\t\t\tstyle.overflowX = opts.overflow[ 1
];\n\t\t\tstyle.overflowY = opts.overflow[ 2 ];\n\t\t} );\n\t}\n\n\t// Implement show/hide animations\n\tpropTween =
false;\n\tfor ( prop in orig ) {\n\n\t\t// General show/hide setup for this element animation\n\t\tif ( !propTween )
{\n\t\t\tif ( dataShow ) {\n\t\t\t\tif ( \"hidden\" in dataShow ) {\n\t\t\t\t\thidden = dataShow.hidden;\n\t\t\t\t}\n\t\t\t}
else {\n\t\t\t\tdataShow = dataPriv.access( elem, \"fxshow\", { display: restoreDisplay } );\n\t\t\t}\n\n\t\t\t// Store
hidden/visible for toggle so `.stop().toggle()` \"reverses\"\n\t\t\tif ( toggle ) {\n\t\t\t\tdataShow.hidden =
!hidden;\n\t\t\t}\n\n\t\t\t// Show elements before animating them\n\t\t\tif ( hidden ) {\n\t\t\t\tshowHide( [ elem ], true
);\n\t\t\t}\n\n\t\t\t/* eslint-disable no-loop-func */\n\n\t\t\tanim.done( function() {\n\n\t\t\t/* eslint-enable no-loopfunc */\n\n\t\t\t\t// The final step of a \"hide\" animation is actually hiding the element\n\t\t\t\tif ( !hidden )
{\n\t\t\t\t\tshowHide( [ elem ] );\n\t\t\t\t}\n\t\t\t\tdataPriv.remove( elem, \"fxshow\" );\n\t\t\t\tfor ( prop in orig )
{\n\t\t\t\t\tjQuery.style( elem, prop, orig[ prop ] );\n\t\t\t\t}\n\t\t\t} );\n\t\t}\n\n\t\t// Per-property setup\n\t\tpropTween
= createTween( hidden ? dataShow[ prop ] : 0, prop, anim );\n\t\tif ( !( prop in dataShow ) ) {\n\t\t\tdataShow[ prop ]
= propTween.start;\n\t\t\tif ( hidden ) {\n\t\t\t\tpropTween.end = propTween.start;\n\t\t\t\tpropTween.start =
0;\n\t\t\t}\n\t\t}\n\t}\n}\n\nfunction propFilter( props, specialEasing ) {\n\tvar index, name, easing, value,
hooks;\n\n\t// camelCase, specialEasing and expand cssHook pass\n\tfor ( index in props ) {\n\t\tname = camelCase(
index );\n\t\teasing = specialEasing[ name ];\n\t\tvalue = props[ index ];\n\t\tif ( Array.isArray( value ) )

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```javascript
Animation.prefilters.unshift( callback ); else {
    Animation.prefilters.push( callback );
}
}

temp = props.match( rnothtmlwhite );
for ( ; index < length; index++ ) {
    prop = props[ index ];
    Animation.tweeners[ prop ]
}

var prop,
    index = 0,
    length =

tween = jQuery.Tween( elem, animation.opts, prop, end,
    animation.opts.easing );

    // Support: Android 2.3 only
    Archaic crash bug won't allow us to use `1 - ( 0.5 || 0 )` (#12497)
    temp = remaining / animation.duration || 0,
    percent = 1 - temp,
    index = 0,
    length = animation.tweens.length;

    for ( ; index < length; index++ ) {
        animation.tweens[ index ].run( percent );
    }

    if ( percent < 1 && length ) {
        deferred.notifyWith( elem, [ animation, 1, 0 ] );
        if ( gotoEnd ) {
            deferred.rejectWith( elem, [ animation, gotoEnd ]);
        } else {
            deferred.resolveWith( elem, [ animation, gotoEnd ]);
            return;
        }
    }

    if ( percent < 1 ) {
        return remaining;
    }

    // If this was an empty animation, synthesize a final progress
    notification
    stopped = true;
    for ( ; index < length; index++ ) {
        animation.tweens[ index ].run( 1 );
    }

    if ( gotoEnd ) {
        deferred.notifyWith( elem, [ animation, 1, 0 ] );
        deferred.rejectWith( elem, [ animation, gotoEnd ]);
    } else {
        deferred.rejectWith( elem, [ animation, gotoEnd ]);
    }

    animation = deferred.promise( {
        elem: elem,
        props: jQuery.extend( {}, properties, originalProperties ),
        options: originalOptions,
        startTime: fxNow || animation.startTime + animation.duration - currentTime,
        translateEnd: createFxNow(),
        queueHooks: jQuery.queueHooks( animation.elem, animation.opts.queue )
    });
```
0,\n\ntimers = jQuery.timers;\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n## Open Source Used In Branch Migration Tool 1.9 10649
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```
if (i > 0) {
    i = max;
} else {
    i = one ? index : 0;
}

// Loop through all the selected
values = one ? null : [],
max = one ? index + 1 : options.length;

if (index < 0)
```

```

```

```
```
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ontype && cur[ ontype ]: null

			if ( handle && handle.apply && acceptData( cur ) ) {
			
event.result = handle.apply( cur, data );
			}

			if ( event.result === false ) {
				event.preventDefault();
			}
		}
		event.type = type;

		// If nobody prevented the default action, do it now:
		if ( !onlyHandlers && !event.isDefaultPrevented() ) {
			true;
			if ( ontype && handle && acceptData( elem ) ) {
				event.triggered = type;
				event.isPropagationStopped();
			}
		}

		return event.result;
	},

	// Piggyback on a donor event to simulate a
different one:
	// Used only for '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 ) {

		// Attach a single capturing handler on the document
		// while someone wants focusin/focusout
		var handler = function( event ) {
			jQuery.event.simulate( fix, event.target, jQuery.event.fix( event ) );
		};

		jQuery.event.special[ fix ] = {
			setup: function()
				true;
			event[ fix ] = handler;
			event[ fix ].handled = 1;
		},
		
teardown: function() {

			var doc = this.ownerDocument || this;

			var attaches = dataPriv.access( doc, fix );

			if ( attaches ) {

				doc.removeEventListener( orig, handler, true);

			} else {

				doc.ownerDocument = this;

			}

		
dataPriv.access( doc, fix, 0 );
		}
	} );

var
	rbracket = /\[\]\$/,
	rCRLF = /\r?\n/g,
	rsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,
	rsubmittable = /^(?:input|select|textarea|keygen)$/i;

function buildParams( prefix, obj, traditional, add ) {

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Changes allow one error to be called first, but that will not handle a native abort. Also, save errorCallback to a variable as xhr.onerror cannot be accessed.

Create the abort callback:

```
_abort = function() {
    // Allow onerror to be called first, but that will not handle a native abort.
    if ( xhr.readyState === 4 ) {
        // Also, save errorCallback to a variable as xhr.onerror cannot be accessed.
        window.setTimeout( function() {
            if ( callback ) {
                errorCallback();
            }
        } );
        Prevent auto-execution of scripts when no explicit dataType was provided (See gh-2432)
    }
    // This transport only deals with cross domain requests
    callback = callback( "abort" );
    // Cancel the load
    return;
}
```

Bind script tag hack transport:

```
transport: function( s ) {
    // This transport only deals with cross domain requests
    if ( s.crossDomain ) {
        var script, callback;
        return {
            send: function( _, complete ) {
                script = jQuery( "<script>" ).prop( {
                    charset: s.scriptCharset,
                    src: s.url
                }).on("load error", callback = function( evt ) {
                    script.remove();
                    callback = null;
                    if ( evt ) {
                        complete( evt.type === "error" ? 404 : 200, evt.type );
                    }
                });
                // Use native DOM manipulation to avoid our domManip AJAX trickery
                document.head.appendChild( script[ 0 ] );
                callback();
            },
            abort: function() {
                if ( callback ) {
                    callback();
                }
            }
        };
    }
}
```

Use native DOM manipulation to avoid our domManip AJAX trickery:

```
document.head.appendChild( script[ 0 ] );
```

Detect, normalize options and install callbacks for jsonp requests:

```
/* Default jsonp settings */
jQuery.ajaxSetup( { jsonp: "callback", jsonpCallback: function() {
    var callback = oldCallbacks.pop() || ( jQuery.expando + "_" + ( nonce++ ) );
    this[ callback ] = true;
    return callback;
} });
```

Use this to request preexisting data value associated with it:

```
oldCallbacks.push( callbackName );
```

```
// Insert callback into url or form data
jQuery.post( s.url, { callbackName: callbackName } );
```

Use data converter to retrieve json after script execution:

```
var jsonpCallback = function( s ) {
    s.data += false & ( s.responseText.s.url ) ? "url" : "";
    if ( s.jsonp ) {
        s.data += "jsonp=" + jsonp;
    }
    // Get callback name, remembering preexisting value associated with it
    var callbackName = s.jsonpCallback = isFunction( s.jsonpCallback ) ? s[ "jsonpCallback" ] : s.jsonpCallback;
    // Insert callback into url or form data
    jQuery.post( s.url, { callbackName: callbackName } );
    // Use data converter to retrieve json after script execution
    var converters = [ "script json" ];
    converters.push( function( s, json ) {
        s[ "responseContainer" ] = s[ "jsonpCallback" ] = s[ "jsonp" ];
    } );
    // Make sure that re-using the options doesn't screw things around
    jQuery.ajaxSetup( { jsonp: json, jsonpCallback: jsonpCallback } );
} );
```

```
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```
 responseContainer = overwritten = undefined;
}

// Delegate to script
return

```

// 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

```

jQuery.fn.load = function( url, params, callback ) {
	// Select the right elements in a dummy div
	var self = this,
		off = url.indexOf( " " );

	// If it's a function
	if ( isFunction( params ) ) {
		callback = params;
		params = undefined;

	// Otherwise, build a param string
	} else if ( params && typeof params === "object" ) {
		type = "POST";
}

// If a selector was specified, locate the right elements in a dummy div
// Exclude scripts to avoid IE 'Permission Denied' errors
// If "data" is undefined, then Ajax setup method
// Otherwise use the full result from
// If the request succeeds, this function gets
// but they are ignored because response was set above.
// This function gets
// Always callback & function( jqXHR, status )
// Attach a bunch of functions for handling common AJAX events
// Construct the position as if this was a "static" elem
// Then set position first, in-case
top/ left are set even on static elem
// This is needed for "static" elem if needed
```

jQuery.offset = {
	setOffset: function( elem, options, i ) {
		var curElement, curLeft, curCSSTop, curTop, curOffset, curCSSLeft, calculatePosition,
			position = jQuery.css( elem, "position" ),
			curElement = jQuery( elem ),
			props = {};

		// Need to be able to calculate position if
```

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, curLeft, curCSSTop, curTop, curOffset, curCSSLeft, calculatePosition,
			position = jQuery.css( elem, "position" ),
			curElement = jQuery( elem ),
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			position = jQuery.css( elem, "position" ),
			curElement = jQuery( elem ),
			props = {};

		// Need to be able to calculate position if
```
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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

// Support: IE <=11 only

// Running getBoundingClientRect on a

// disconnected node in IE throws an error

// 'elem.getClientRects().length' { return

// Get document-relative position by adding viewport scroll to viewport relative bGCR

// This corresponds to the behavior of CSS absolute positioning's position:

// Assume position:fixed implies availability of

// position() relates an element's margin box to its offset parent's padding box

// when a statically positioned element is identified

// Incorporate borders into its offset, since they are outside its content

// Account for the *real* offset parent, which can be the document or its root element

// which can be the document or its root element

// Return zeros for disconnected and hidden (display: none) elements (gh-2310)

// Consider position:fixed as a real life use-case

// and might be considered as more preferable results.

// This logic, however, is not guaranteed and can change at any point

// in the future

// This method will return documentElement in the following cases:

// For the element inside the iframe without offsetParent, this method will return null

// For the hidden or detached element

// 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

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// 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.
specified for top/left/bottom/right

// rather than make the css module depend on the offset module, just check for it here
jQuery.each( ["top", "left"], function( i, prop ) {\n\n  jQuery.cssHooks[ prop ] = addGetHookIf(\n    support.pixelPosition,\n    function( elem, computed ) {\n      \n      // If curCSS returns percentage, fallback to offset\n      return curCSS( elem, prop );\n    } );\n  \n
})( jQuery.fn.extend(\n  {\n
    bind: function( types, data, fn ) {\n      return this.on( types, null, data, fn );\n    },\n    unbind: function( types, fn ) {\n      return this.off( types, null, fn );\n    },\n    delegate: function( selector, types, data, fn ) {\n      return this.on(\n        types, selector, data, fn );\n    },\n    undelegate: function( selector, types, data ) {\n      return this.off(\n        types, selector || "**", data );\n    }\n  } );\n});
Register as a named AMD module, since jQuery can be concatenated with other\n// files that may use define, but not
via a proper concatenation script that\n// understands anonymous AMD modules. A named AMD is safest and most
robust\n// way to register. Lowercase jquery is used because AMD module names are\n// derived from file names,
and jQuery is normally delivered in a lowercase\n// file name. Do this after creating the global so that if an AMD
module wants\n// to call noConflict to hide this version of jQuery, it will work.\n\n// Note that for maximum
portability, libraries that are not jQuery should\n// declare themselves as anonymous modules, and avoid setting a
global if an\n// AMD loader is present. jQuery is a special case. For more information, see\n//
https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries#wiki-anon\n\nif ( typeof define ===
\"function\" && define.amd ) {\n\tdefine( \"jquery\", [], function() {\n\t\treturn jQuery;\n\t} );\n}\n\n\n\n\nvar\n\n\t//
Map over jQuery in case of overwrite\n\t_jQuery = window.jQuery,\n\n\t// Map over the $ in case of overwrite\n\t_$
= window.$;\n\njQuery.noConflict = function( deep ) {\n\tif ( window.$ === jQuery ) {\n\t\twindow.$ =
_$;\n\t}\n\n\tif ( deep && window.jQuery === jQuery ) {\n\t\twindow.jQuery = _jQuery;\n\t}\n\n\treturn
jQuery;\n};\n\n// Expose jQuery and $ identifiers, even in AMD\n// (#7102#comment:10,
https://github.com/jquery/jquery/pull/557)\n// and CommonJS for browser emulators (#13566)\nif ( !noGlobal )
{\n\twindow.jQuery = window.$ = jQuery;\n}\n\n\n\n\nreturn jQuery;\n} );\n","var map = {\n\t\"./en.json\":
\"e847\"\n};\n\n\nfunction webpackContext(req) {\n\tvar id = webpackContextResolve(req);\n\treturn
__webpack_require__(id);\n}\nfunction webpackContextResolve(req) {\n\tvar id = map[req];\n\tif(!(id + 1)) { //
check for number or string\n\t\tvar e = new Error(\"Cannot find module '\" + req + \"'\");\n\t\te.code =
'MODULE_NOT_FOUND';\n\t\tthrow e;\n\t}\n\treturn id;\n}\nwebpackContext.keys = function
webpackContextKeys() {\n\treturn Object.keys(map);\n};\nwebpackContext.resolve =
webpackContextResolve;\nmodule.exports = webpackContext;\nwebpackContext.id = \"11b2\";","var pIE =
require('./_object-pie');\nvar createDesc = require('./_property-desc');\nvar toIObject = require('./_to-iobject');\nvar
toPrimitive = require('./_to-primitive');\nvar has = require('./_has');\nvar IE8_DOM_DEFINE = require('./_ie8-domdefine');\nvar gOPD = Object.getOwnPropertyDescriptor;\n\nexports.f = require('./_descriptors') ? gOPD : function
getOwnPropertyDescriptor(O, P) {\n O = toIObject(O);\n P = toPrimitive(P, true);\n if (IE8_DOM_DEFINE) try
{\n return gOPD(O, P);\n } catch (e) { /* empty */ }\n if (has(O, P)) return createDesc(!pIE.f.call(O, P),
O[P]);\n};\n","/**\n * Checks if `value` is suitable for use as unique object key.\n *\n * @private\n * @param {*}
value The value to check.\n * @returns {boolean} Returns `true` if `value` is suitable, else `false`.\n */\nfunction
isKeyable(value) {\n var type = typeof value;\n return (type == 'string' || type == 'number' || type == 'symbol' || type
== 'boolean')\n ? (value !== '__proto__')\n : (value === null);\n}\n\nmodule.exports = isKeyable;\n","var
identity = require('./identity');\n\n/**\n * Casts `value` to `identity` if it's not a function.\n *\n * @private\n *
@param {*} value The value to inspect.\n * @returns {Function} Returns cast function.\n */\nfunction
castFunction(value) {\n return typeof value == 'function' ? value : identity;\n}\n\nmodule.exports =
castFunction;\n","/**\n * Checks if `value` is object-like. A value is object-like if it's not `null`\n * and has a
`typeof` result of \"object\".\n *\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n * @param
{*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is object-like, else `false`.\n *
@example\n *\n * _.isObjectLike({});\n * // => true\n *\n * _.isObjectLike([1, 2, 3]);\n * // => true\n *\n *
_.isObjectLike(_.noop);\n * // => false\n *\n * _.isObjectLike(null);\n * // => false\n */\nfunction
isObjectLike(value) {\n return value != null && typeof value == 'object';\n}\n\nmodule.exports =
isObjectLike;\n","module.exports =
\"data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAJ4AAACeCAYAAADDhbN7AAAABmJLR0QA
owA6AADnOD5/AAAACXBIWXMAAAsTAAALEwEAmpwYAAAAB3RJTUUH4QgLCggYIJ85zwAAABl0R
Vh0Q29tbWVudABDcmVhdGVkIHdpdGggR0lNUFeBDhcAAAfMSURBVHja7d1dUFTnHcfx3x4W2EVSFQQFj
YUYTTJRg2NMtUo1RrCKU2sTqxl8STPWZGzTi87UWmvTzvSiM0mmrampY9J0xqlp1CQ6sWMUNVbBVDMI
eQGHaCMKEcLL8uIqsLssSy9ykbaZyHkiu4u7388l83DO7p/vnt09CxzHTiu5X0AEORz9shgDooHwQHggPIDwQ
HgA4YHwAMID4QGEB8ID4QGEB8IDCA+EBxAeCA8gPBAeQHggPBAeQHggPIDwQHgA4YHwAMID4QGE
B8ID4QGEB8IDCA+EBxAeCO9W5bAsOVPcDCJCnJHaUWrOeMlhr/Pg9evytXrCc4fdLmXmz9HYhQUaOS1Prs
xMuTJGyZWeLjks9fV0q7upWb7mZl27WKsrBw+psaREgU7vLT+bBFey3FlZttf7WloV7OoKzwM9UpeUWuW/L

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var baseIsEqual = require('./_baseIsEqual'),
    get = require('./get'),
    hasIn = require('./hasIn'),
    isKey = require('./_isKey'),

var isStrictComparable = require('./_isStrictComparable'),
    matchesStrictComparable = require('./_matchesStrictComparable'),
    toKey = require('./_toKey');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2;

/**
 * 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 {Function} Returns the new spec function.
 */
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;

/**
 * Converts `string` to a property path array.
 *
 * @private
 * @param {string} string The string to convert.
 * @returns {Array} Returns the property path array.
 */
var 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;

/**
 * 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

* @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an object, else `false`.
 * @example
 * isObject({});
 * // => true

 function isObject(value) {
   var type = typeof value;
   return value != null && (type == 'object' || type == 'function');
}

 module.exports = isObject;

 'use strict';

 module.exports = require('./is-implemented')() ? Symbol : require('./polyfill');

 /**
 * Removes `key` and its value from the hash.
 * @private
 * @name delete
 * @memberOf Hash
 * @param {Object} hash The hash to modify.
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */
 function hashDelete(key) {
   var result = this.has(key) && delete this.__data__[key];
   this.size -= result ? 1 : 0;
   return result;
}

 module.exports = hashDelete;

 baseEach = require('./_baseEach');

 /**
 * The base implementation of `_.every` without support for iteratee shorthands.
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @param {Object} [accumulator] An object to accumulate iteratee results.
 * @returns {boolean} Returns `true` if the predicate returns `true` for all elements,
 * else `false`.
 */
 function baseEvery(collection, predicate, accumulator) {
   var func = isObject(collection) ? baseEach : baseSimpleEach;

   if (collection.size > 200) {
     var cache = !accumulator && (accumulator = {});
     var index = -1,
         length = collection.size;

     while (++index < length) {
       var current = collection.__data__[index];

       if (predicate(current, index, collection) && (accumulator[current] = true)) {
         break;
       }
     }
   }

   return !index;
}

 module.exports = baseEvery;
@returns {boolean} Returns `true` if all elements pass the predicate check."\n* _else `false`\n*/
function baseEvery(collection, predicate) {
  \n  var result = true;
  \n  baseEach(collection, function,value, entries) {\n    \n    if (result == undefined) anObject(\n      \n      return result;\n    }\n  }\n
  return result;\n}
\n\n\n\n\nmodule.exports = baseEvery;\n"\n// call something on iterator step with safe closing on error\n**
function baseEach(collection, \n
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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 64.3v383.4C465.3 480H416c17.6 0 32-14.5 32-32.3V64.3c0-17.8-14.4-32.3-32-32.3zM31.9 416H69V202.2h66.4V312c-24.8-.5-56.7-34.5-56.7-34.5s0 39.7 79.7 39.7s101.9V416z';

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.unescape = unescape;
exports.svgPathData = svgPathData,
'var isObject = require('./_is-object');

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) : {};
};

// 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; }()) == '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');

/**
 * Sets the hash `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf Hash
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the hash instance.
 */
function hashSet(key, value) {
  var data = this.__data__;
  data[key] = (nativeCreate && value === undefined) ? HASH_UNDEFINED : value;
  this.size += this.has(key) ? 0 : 1;
  data[key] = (nativeCreate && value === undefined) ? HASH_UNDEFINED : value;
  return this;
}

module.exports = hashSet;

var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.isArguments`.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an `arguments` object,
 */
function baseIsArguments(value) {
  return isObjectLike(value) && baseGetTag(value) == argsTag;
}

// 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; }()) == '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');

/**
 * Sets the hash `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf Hash
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the hash instance.
 */
function hashSet(key, value) {
  var data = this.__data__;
  data[key] = (nativeCreate && value === undefined) ? HASH_UNDEFINED : value;
  this.size += this.has(key) ? 0 : 1;
  data[key] = (nativeCreate && value === undefined) ? HASH_UNDEFINED : value;
  return this;
}

module.exports = hashSet;

var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.isArguments`.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an `arguments` object,
 */
function baseIsArguments(value) {
  return it.isObjectLike(value) && &baseGetTag(value) == argsTag;
}

/
= baseIsArguments;\n","exports.f = Object.getOwnPropertySymbols;\n","var arrayEvery =
require('./_arrayEvery'),\n baseEvery = require('./_baseEvery'),\n baseIteratee = require('./_baseIteratee'),\n
isArray = require('./isArray'),\n isIterateeCall = require('./_isIterateeCall');\n\n/**\n * Checks if `predicate` returns
truthy for **all** elements of `collection`.\n * Iteration is stopped once `predicate` returns falsey. The predicate is\n
* invoked with three arguments: (value, index|key, collection).\n *\n * **Note:** This method returns `true` for\n *
[empty collections](https://en.wikipedia.org/wiki/Empty_set) because\n * [everything is
true](https://en.wikipedia.org/wiki/Vacuous_truth) of\n * elements of empty collections.\n *\n * @static\n *
@memberOf _\n * @since 0.1.0\n * @category Collection\n * @param {Array|Object} collection The collection to
iterate over.\n * @param {Function} [predicate=_.identity] The function invoked per iteration.\n * @param{Object} [guard] Enables use as an iteratee for methods like `_.map`.\n * @returns {boolean} Returns `true` if all
elements pass the predicate check,\n * else `false`.\n * @example\n *\n * _.every([true, 1, null, 'yes'], Boolean);\n *
// => false\n *\n * var users = [\n * { 'user': 'barney', 'age': 36, 'active': false },\n * { 'user': 'fred', 'age': 40, 'active':
false }\n * ];\n *\n * // The `_.matches` iteratee shorthand.\n * _.every(users, { 'user': 'barney', 'active': false });\n * //
=> false\n *\n * // The `_.matchesProperty` iteratee shorthand.\n * _.every(users, ['active', false]);\n * // => true\n
*\n * // The `_.property` iteratee shorthand.\n * _.every(users, 'active');\n * // => false\n */\nfunction
every(collection, predicate, guard) {\n var func = isArray(collection) ? arrayEvery : baseEvery;\n if (guard &&
isIterateeCall(collection, predicate, guard)) {\n predicate = undefined;\n }\n return func(collection,
baseIteratee(predicate, 3));\n}\n\nmodule.exports = every;\n","/**\n * The base implementation of `_.hasIn` without
support for deep paths.\n *\n * @private\n * @param {Object} [object] The object to query.\n * @param
{Array|string} key The key to check.\n * @returns {boolean} Returns `true` if `key` exists, else `false`.\n
*/\nfunction baseHasIn(object, key) {\n return object != null && key in Object(object);\n}\n\nmodule.exports =
baseHasIn;\n","var classof = require('./_classof');\nvar ITERATOR = require('./_wks')('iterator');\nvar Iterators =
require('./_iterators');\nmodule.exports = require('./_core').getIteratorMethod = function (it) {\n if (it != undefined)
return it[ITERATOR]\n || it['@@iterator']\n || Iterators[classof(it)];\n};\n","// @@split logic\nrequire('./_fix-rewks')('split', 2, function (defined, SPLIT, $split) {\n 'use strict';\n var isRegExp = require('./_is-regexp');\n var
_split = $split;\n var $push = [].push;\n var $SPLIT = 'split';\n var LENGTH = 'length';\n var LAST_INDEX =
'lastIndex';\n if (\n 'abbc'[$SPLIT](/(b)*/)[1] == 'c' ||\n 'test'[$SPLIT](/(?:)/, -1)[LENGTH] != 4 ||\n
'ab'[$SPLIT](/(?:ab)*/)[LENGTH] != 2 ||\n '.'[$SPLIT](/(.?)(.?)/)[LENGTH] != 4 ||\n
'.'[$SPLIT](/()()/)[LENGTH] > 1 ||\n ''[$SPLIT](/.?/)[LENGTH]\n ) {\n var NPCG = /()??/.exec('')[1] ===
undefined; // nonparticipating capturing group\n // based on es5-shim implementation, need to rework it\n $split
= function (separator, limit) {\n
var string = String(this);\n
if (separator === undefined && limit === 0) return
[];\n
// If `separator` is not a regex, use native split\n
if (!isRegExp(separator)) return _split.call(string,
separator, limit);\n
var output = [];\n
var flags = (separator.ignoreCase ? 'i' : '') +\n
(separator.multiline ? 'm' : '') +\n
(separator.unicode ? 'u' : '') +\n
(separator.sticky ? 'y' : '');\n
var lastLastIndex = 0;\n
var splitLimit = limit === undefined ? 4294967295 : limit >>> 0;\n
// Make `global`
and avoid `lastIndex` issues by working with a copy\n
var separatorCopy = new RegExp(separator.source, flags
+ 'g');\n
var separator2, match, lastIndex, lastLength, i;\n
// Doesn't need flags gy, but they don't hurt\n
if
(!NPCG) separator2 = new RegExp('^' + separatorCopy.source + '$(?!\\\\s)', flags);\n
while (match =
separatorCopy.exec(string)) {\n
// `separatorCopy.lastIndex` is not reliable cross-browser\n
lastIndex =
match.index + match[0][LENGTH];\n
if (lastIndex > lastLastIndex) {\n
output.push(string.slice(lastLastIndex, match.index));\n
// Fix browsers whose `exec` methods don't
consistently return `undefined` for NPCG\n
// eslint-disable-next-line no-loop-func\n
if (!NPCG &&
match[LENGTH] > 1) match[0].replace(separator2, function () {\n
for (i = 1; i < arguments[LENGTH] - 2;
i++) if (arguments[i] === undefined) match[i] = undefined;\n
});\n
if (match[LENGTH] > 1 &&
match.index < string[LENGTH]) $push.apply(output, match.slice(1));\n
lastLength = match[0][LENGTH];\n
lastLastIndex = lastIndex;\n
if (output[LENGTH] >= splitLimit) break;\n
}\n
if
(separatorCopy[LAST_INDEX] === match.index) separatorCopy[LAST_INDEX]++; // Avoid an infinite loop\n
}\n
if (lastLastIndex === string[LENGTH]) {\n
if (lastLength || !separatorCopy.test('')) output.push('');\n

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result = [];\nwhile (++index < length) {\n  var value = array[index];\n  if (predicate(value, index, array)) {\n    result[resIndex++] = value;\n  }\n} return result;\n\nmodule.exports = function (it) {\n  return toObject.call(it).slice(8, -1);\n};\n
/**\n * Removes `key` and its value from the stack.\n * The key of the value to remove.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.\n */\nfunction stackDelete(key) {\n  var data = this.__data__,\n      result = data['delete'](key);\n
  this.size = data.size;\n  return result;\n}\n
module.exports = stackDelete;\n
var isArrayLike = function(value) {\n  return value != null && isLength(value.length) && !isFunction(value);\n};\n
module.exports = isArrayLike;\n
module.exports = function (fn, args, that) {\n  var un = that === undefined;\n  switch (args.length) {\n    case 0: return un ? fn() : fn.call(that);\n    case 1: return un ? fn(args[0]) : fn.call(that, args[0]);\n    case 2: return un ? fn(args[0], args[1]) : fn.call(that, args[0], args[1]);\n    case 3: return un ? fn(args[0], args[1], args[2]) : fn.call(that, args[0], args[1], args[2]);\n    case 4: return un ? fn(args[0], args[1], args[2], args[3]) : fn.call(that, args[0], args[1], args[2], args[3]);\n  } return fn.apply(that, args);\n};\n
var isObject = function(object) {\n  return object != null;\n};\n
module.exports = function (array) {\n  return isObject((array && array.length) + 'length') \n    ? isArrayLike(array) \n    : isObject((array && array.nodeType) + 'value');\n};
object to query. The key of the property to get. Returns the property value. *a function getValue(object, key) { return object === null ? undefined : object[key]; } module.exports = getValue; *a var Symbol = require('./_Symbol'); *a getRawTag = require('./_getRawTag'); *a toStringTag = require('./_toStringTag'); *a ** 'Object#toString' result references. *a var nullTag = '[object Null]'; *a undefinedTag = '[object Undefined]'; getRawTag Built-in value references. *a Symbol.toStringTag = Symbol ? Symbol.toStringTag : undefined; **type params** *a The base implementation of 'getTag' without fallbacks for buggy environments. *a getTag(object, value) { return value === null ? value === undefined ? undefinedTag : nullTag : getTag(value, getTagTag(value)); } module.exports = getTag; **RegExp.prototype.flags** *a getRawTag(value) { return objectToString(value); } module.exports = getRawTag; // extracted by mini-css-extract-plugin, // 21.2.5.3 get RegExp.prototype.flags() *a getFlags = require('./_flags'); *a getFlags(RegExp.prototype, 'flags', { configurable: true, get: require('./_flags') }); // 19.1.2.9 / 15.2.3.2 Object.getPrototypeOf(O) *a **type params** *a **params** *a **value** *a getPrototypeOf(object) { return require('./_getPrototypeOf')(object); } module.exports = getPrototypeOf; // 19.1.2.9 / 15.2.3.2 Object.getPrototypeOf(O) *a **type params** *a **value** *a getPrototypeOf = Object.prototype.getPrototypeOf = function (O) { return O === null ? 'null' : O === undefined ? 'undefined' : getPrototypeOf(O.constructor); } module.exports = getPrototypeOf; **getMatchData** *a getMatchData(object) { var result = 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 notBottom() {
    if (!this.isNotBottom) {
        this.isNotBottom = true;
        this.isBottom = false;
        this.onNotBottom && this.onNotBottom();
    }
}

unpin: function unpin() {
    if (this.isPinned || !this.isUnpinned) {
        this.isUnpinned = true;
        this.isPinned = false;
        this.onUnpin && this.onUnpin();
        this.$emit('unpin');
        this.translate = this.footroom ? '100%' : '-100%';
        setTimeout(function () {
            this.state = 'unpinned';
        }, 0);
    }
}
context.parent._data.baseNetworks[context.props.network];

    if (!network) {
      return
    }

    return

var email = {
  "sharer": "mailto:?subject=@title&body=@url%0D%0A%0D%0A@description","type":"direct"};
var facebook = {
  "sharer": "https://www.facebook.com/sharer/sharer.php?url=@url&title=@title&description=@description&quote=@quote","type":"popup"};
var googleplus = {
  "sharer": "https://plus.google.com/share?url=@url","type":"popup"};
var line = {
  "sharer": "http://line.me/R/msg/text/?@description%0D%0A@url","type":"popup"};
var linkedin = {
  "sharer": "https://www.linkedin.com/shareArticle?mini=true&url=@url&title=@title&summary=@description","type":"popup"};
var odnoklassniki = {
  "sharer": "https://connect.ok.ru/dk?st.cmd=WidgetSharePreview&st.shareUrl=@url&st.comments=@description","type":"popup"};
var pinterest = {
  "sharer": "https://pinterest.com/pin/create/button/?url=@url&media=@media&description=@description","type":"popup"};
var reddit = {
  "sharer": "https://www.reddit.com/submit?url=@url&title=@title","type":"popup"};
var skype = {
  "sharer": "https://web.skype.com/share?url=ete?subject=@title&body=@url","type":"popup"};
var telegram = {
  "sharer": "https://t.me/share/url?url=@url&text=@description","type":"popup"};
var viber = {
  "sharer": "viber://forward?text=@description&url=@url","type":"popup"};
var vk = {
  "sharer": "https://vk.com/share.php?url=@url&title=@title","type":"popup"};
var weibo = {
  "sharer": "http://service.weibo.com/share/share.php?url=@url&title=@title","type":"popup"};
var whatsapp = {
  "sharer": "https://whatsapp.com/send?text=@description%0D%0A@url","type":"popup"};
var BaseNetworks = {
  email: email,
  facebook: facebook,
  googleplus: googleplus,
  line: line,
  linkedin: linkedin,
  odnoklassniki: odnoklassniki,
  pinterest: pinterest,
  reddit: reddit,
  skype: skype,
  telegram: telegram,
  twitter: twitter,
  viber: viber,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp,
  email: email,
  line: line,
  linkedin: linkedin,
  odnoklassniki: odnoklassniki,
  pinterest: pinterest,
  reddit: reddit,
  skype: skype,
  telegram: telegram,
  twitter: twitter,
  viber: viber,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp,
  email: email,
  line: line,
  linkedin: linkedin,
  odnoklassniki: odnoklassniki,
  pinterest: pinterest,
  reddit: reddit,
  skype: skype,
  telegram: telegram,
  twitter: twitter,
  viber: viber,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp,
  email: email,
  line: line,
  linkedin: linkedin,
  odnoklassniki: odnoklassniki,
  pinterest: pinterest,
  reddit: reddit,
  skype: skype,
  telegram: telegram,
  twitter: twitter,
  viber: viber,
  vk: vk,
  weibo: weibo,
  whatsapp: whatsapp,
  email: email,
  line: line,
type: String,
    default: 'span'
},

    /**
     * Additional or overridden networks.
     * Default to
    BaseNetworks
    */
    networks: {
      type: Object,
      default: function () {
        return {};
      }
    }

    /**
     * Available sharing networks.
     * @param object
    baseNetworks: BaseNetworks,
    */
    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
    },

    /**
     * Returns generated sharer url.
     * @param network Social network key.
    */
    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(/@media/g, this.media)
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Shares URL in specified network.
    */
    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);
    },

    /**
     * Touches network and emits click event.
    */
    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);
    },

    /**
     * Opens sharer popup.
    */
    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();
        this.$root.$emit('social_shares_change', network, this.url);
        this.$emit('change', network, this.url);
      }

      this.popup.window = window.open(url,
      'sharer',
      'status=' + (this.popup.status ? 'yes' : 'no') + ',height=' + this.popup.height + ',width=
      + this.popup.width + ',resizable=' + (this.popup.resizable ? 'yes' : 'no') + ',left=' + this.popup.left + ',top=' + this.popup.top + ',screenX=' + this.popup.left + ',screenY=' + this.popup.top + ',toolbar=' + (this.popup.toolbar ? 'yes' : 'no') + ',menubar=' + (this.popup.menubar ? 'yes' : 'no') + ',scrollbars=' + (this.popup.scrollbars ? 'yes' : 'no') + ',location=' + (this.popup.location ? 'yes' : 'no') + ',directories=' + (this.popup.directories ? 'yes' : 'no') + ');
      this.popup.window.focus();
      this.$root.$emit('social_shares_open', network, this.url);
      this.$emit('open', network, this.url);

      // Create an interval to detect popup closing event
      this.popup.interval = setInterval(function () {
        if (this.popup.window.closed) {
          clearInterval(this.popup.interval);
          this.popup.window = undefined;
          this.$root.$emit('social_shares_close', network, this.url);
          this.$emit('close', network, this.url);
        }
      }, 500);
    },

    /**
     * Merge base networks list with user's list.
    */
    beforeMount: function beforeMount () {
      this.baseNetworks = Vue.util.extend(this.baseNetworks, this.networks);
    },

    /**
     * Sets popup default dimensions.
    */
    mounted: function mounted () {
      if (!inBrowser) {
        return;
      }

      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);

      this.popup.left = ((width / 2) - (this.popup.width / 2)) + dualScreenLeft;
      this.popup.top = ((height / 2) - (this.popup.height / 2)) + dualScreenTop;
    },

    /**
     * Center the popup on dual screens
     * http://stackoverflow.com/questions/4068373/center-a-popup-window-on-screen/32261263
    */
    beforeCreate: function beforeCreate () {
      var dualScreenLeft = $window.screenLeft !== undefined ? $window.screenLeft : screen.left;
      var dualScreenTop = $window.screenTop !== undefined ? $window.screenTop : screen.top;
      var windowWidth = $window.innerWidth ? $window.innerWidth : (document.documentElement.clientWidth ? document.documentElement.clientWidth : screen.width);
      var windowHeight = $window.innerHeight ? $window.innerHeight : (document.documentElement.clientHeight ? document.documentElement.clientHeight : screen.height);

      this.popup.left = ((windowWidth - this.popup.width) / 2) + dualScreenLeft;
      this.popup.top = ((windowHeight - 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;
if (domain && !exited) domain.exit();

if (isReject && promise._h) onUnhandled(promise);

var onUnhandled = function (promise) {
  var var_value = promise._v;
  var var_unhandled = isUnhandled(promise);

  var result, handler, console;

  if (unhandled) {
    result = perform(function () {
      if (isNode) {
        promise._h = isNode || isUnhandled(promise) ? 2 : 1;
        promise._a = undefined;
        if (unhandled && result) throw result.v;
      }
    })
  } else {
    handler = global.onunhandledrejection;
    handler({
      promise: promise, reason: value });
  }
}

// Browsers should not trigger `rejectionHandled` event if it was handled here, NodeJS - should
onUnhandled(promise);
PROMISE, \(\{ n \} ^{25.4.4.1} \) Promise.all(iterable) all: function all(iterable) \{ n \} var C = this; \n \} var \_resolve = capability.resolve; \n var \_reject = capability.reject; \n \} var result = perform(function () \{ \n \} var values = []; \n \} var index = 0; \n \} var remaining = 1; \n \} forOf(iterable, false, function (promise) \{ \n \} var values.push(undefined); \n \} remaining++; \n \} var C.resolve(promise).then(function (value) \{ \n \} if (alreadyCalled) return; \n \} var alreadyCalled = true; \n \} var values[index] = value; \n \} --remaining || resolve(values); \n \} reject; \n \} \}); \n \} if (result.e) reject(result.v); \n \} return capability.promise; \n \} \}; \n \}); \n \}); \n \} forOf(iterable, false, function (promise) \{ \n \} C.resolve(promise).then(capability.resolve, reject); \n \} \}); \n \} if (result.e) reject(result.v); \n \} return capability.promise; \n \} \}); \n \} var core = require('./_core'); \n \} global = require('./_global'); \n \} SHARED = '__core-js_shared__'; \n \} store = global[SHARED] || (global[SHARED] = {}); \n \}); \n \}); \n \}); \n \}); \n \}); \n \}); \n \});

module.exports = freeGlobal;

module.exports = freeGlobal;

module.exports = freeGlobal;

module.exports = freeGlobal;
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;

var arrayPush = require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 * The base implementation of `_.flatten` with support for restricting flattening.
 * Restrict to values that pass `predicate` checks.
 * @param {Array} array
 * @param {number} depth The maximum recursion depth
 * @param {boolean} [predicate]
 * @param {boolean} [isStrict]
 * @returns {Array}
 */
function baseFlatten(array, depth, predicate, isStrict, result) {
  var index = -1,
      length = array.length;

  predicate || (predicate = isFlattenable);
  result || (result = []);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && predicate(value)) {
      if (depth > 1) {
        // Recursively flatten arrays (susceptible to call stack limits).
        baseFlatten(value, depth - 1, predicate, isStrict, result);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}

module.exports = baseFlatten;

var global = require('./_global');
var core = require('./_core');
var hide = require('./_hide');
var redefine = require('./_redefine');
var ctx = require('./_ctx');
var PROTOTYPE = 'prototype';

var $export = function (type, name, source) {
  var IS_FORCED = type & $export.F;
  var IS_GLOBAL = type & $export.G;
  var IS_STATIC = type & $export.S;
  var IS_PROTO = type & $export.P;
  var target = IS_GLOBAL
    ? global
    : IS_STATIC
    ? global[name]
    : (global[name] || {})
    ;
  var exports = IS_GLOBAL
    ? core
    : core[name]
    || (core[name] = {});
  var expProto = exports[PROTOTYPE]
    || (exports[PROTOTYPE] = {});
  var key, own, out, exp;
  if (IS_GLOBAL) source = name;
  for (key in source) {
    own = !IS_FORCED && target && target[key] !== undefined;
    out = (own ? target : source)[key];
    exp = IS_BIND && own ? ctx(out, global) : IS_PROTO && typeof out == 'function' ? ctx(Function.call, out) : out;
    if (target) redefine(target, key, exp, type & $export.U);
    // export
    if (exports[key] != out) hide(exports, key, exp);
    if (IS_PROTO && expProto[key] != out) expProto[key] = out;
  }
};
global.core = core;

// type bitmap
$export.F = 1;   // forced
$export.G = 2;   // global
$export.S = 4;   // static
$export.P = 8;  // proto
$export.B = 16;  // bind
$export.W = 32;  // wrap
$export.U = 64;  // safe
$export.R = 128; // real proto method for 'library'
module.exports = $export;

var ITERATOR = require('./_wks')('iterator');
var SAFE_CLOSING = false;

try {
  var riter = [7][ITERATOR]();
  riter['return'] = function () { SAFE_CLOSING = true; };
  // eslint-disable-next-line no-throw-literal
  Array.from(riter, function () { throw 2; });
} catch (e) { /* empty */ }

module.exports = function (exec, skipClosing) {
  if (!skipClosing && !SAFE_CLOSING) return false;
  var safe = false;
  try {
    var arr = [7];
    var iter = arr[ITERATOR]();
    exec(arr,
        function (result, value) {
          if (result.length) { SAFE_CLOSING = true; };
          var ITERATOR = require('./_wks')('iterator');
          var riter = arr[ITERATOR]();
          riter['return'] = function () { SAFE_CLOSING = true; };
          // eslint-disable-next-line no-throw-literal
          Array.from(riter, function () { throw 2; });
        });
  } catch (e) { /* empty */ }
};

var isObject = require('./_is-object');
var setPrototypeOf = require('./_set-proto').set;
module.exports = function (that, target, C) {
  var S = target.constructor;
  var P;
  if (S !== C && typeof S == 'function' && (P = S.prototype) !== C.prototype && isObject(P) && setPrototypeOf) {
    setPrototypeOf(that, P); return;
  }

  var listCacheHas = require('./_listCacheHas'),
      listCacheSet = require('./_listCacheSet'),
      listCacheDelete = require('./_listCacheDelete'),
      listCacheGet = require('./_listCacheGet');

  listCacheHas = require('./_listCacheHas'),
  listCacheSet = create(listCacheObject, _listCache); listCacheDelete = create(_listCacheDelete); listCacheGet = create(_listCacheGet);
}

function listCacheObject((entries) {
  var cache = _extend([], entries);
  return function (key) {
    var value = cache[key];
    return value !== undefined ? value : undefined;
  }
};

// Most Object methods by ES6 should accept primitives as

Open Source Used In Branch Migration Tool 1.9 10683
var isArray = Array.isArray;

module.exports = isArray;

var assocIndexOf = require('./_assocIndexOf');

/**
 * Sets the list cache `key` to `value`. 
 * 
 * @private
 * @name set
 * @memberOf ListCache
 * @param {string} key
 * @param {*} value
 * @returns {Object} Returns the list cache instance.
 */
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;
}

module.exports = listCacheSet;

// 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.
 *
 * @private
 * @name delete
 * @memberOf ListCache
 * @param {string} key
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */
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;
}

module.exports = listCacheDelete;

var arrayMap = require('./_arrayMap'), baseIteratee = require('./_baseIteratee'), baseMap = require('./_baseMap'), baseSortBy = require('./_baseSortBy'), baseUnary = require('./_baseUnary'), compareMultiple = require('./_compareMultiple'), identity = require('./identity');

/**
 * A specialized version of `_.orderBy` without param guards.
 *
 * @private
 * @param {Array|Object} collection
 * @param {Function[]|Object[]|string[]} iteratees
 * @param {string[]} orders
 * @returns {Array} Returns the new sorted array.
 */
function baseOrderBy(collection, iteratees, orders) {
  var index = -1;
  iteratees = arrayMap(iteratees.length ? iteratees : [identity], baseUnary(baseIteratee));

  var result = baseMap(collection, function(value, key, collection) {
    var criteria = arrayMap(iteratees, function(iteratee) {
      return iteratee(value);
    });
    return { 'criteria': criteria, 'index': ++index, 'value': value };
  });

  return baseSortBy(result, function(object, other) {
    return compareMultiple(object, other, orders);
  });
}

module.exports = baseOrderBy;

// 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
var $flags = require('./_flags');
var DESCRIPTORS = require('./_descriptors');
var TO_STRING = 'toString';
var $toString = /

var define = function (fn) {
  require('./_redefine')(RegExp.prototype, TO_STRING, fn, true);
};

// 21.2.5.14 RegExp.prototype.toString()
if ($flags && $flags.name != TO_STRING) {
  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
}
hasOwnProperty.call(value, key)) &&
        !(skipIndexes &&
           // Safari 9 has enumerable
           (isBuff && (key == 'offset' || key == 'parent')) ||
           // PhantomJS 2 has
           enumerable non-index properties on typed arrays.
           (isType && (key == 'buffer' || key == 'byteLength' || key == 'byteOffset')) ||
           // Skip index properties.
           isIndex(key, length))
        ))) {
      result.push(key);
}
  }
  return result;
}

module.exports = arrayLikeKeys;

/**
 * The base implementation of `_.forEach` which iterates over `object`
 * properties returned by `keysFunc` and invokes `iteratee` for each property.
 * **Note:** Iteration is performed in the order keys are iterated over.
 * **Note:** `_.forEach` iterates over inherited enumerable properties of
 * `object` for objects. To iterate over only native properties, use
 * `_.each`.
 *
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {Array} keys The array of property names to iterate over.
 * @returns {Object} Returns `object`.
 */
var baseFor = function(object, keysFunc, iteratee) {
  return object && typeof object === 'object' &&
  object instanceof Array ?
    object :
  keysFunc(object, function(value, key, object) {
    if (iteratee(value, key, object)) {
      return true;
    }
  });
}

module.exports = baseFor;

/**
 * Creates a constant function that always returns the same value.
 * @static
 * @memberOf _
 * @since 2.4.0
 * @category Util
 * @param {*} value The value to return from the new constant function.
 * @returns {Function} Returns the new constant function.
 * @example
 *
 * _.constant(1);
 * // returns 1
 */
function constant(value) {
  return function() {
    return value;
  };
}

module.exports = constant;

var baseIsNative = require('./_baseIsNative'),
    baseUnary = require('./_baseUnary'),
    nodeUtil = require('./_nodeUtil');

// Node.js helper references. 
var nodeIsFunction = nodeUtil && nodeUtil.isFunction;

/**
 * Checks if `value` is a native `Array` object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a native `Array`, else 
 * `false`.
 * @example
 *
 * _.isArray([1, 2, 3]);
 * // => true
 *
 * _.isArray(document.body.nodeType);
 * // => false
 */
var isArray = function(value) {
  return nodeIsFunction(value) &&
  baseIsNative(value, Array) &&
  !baseUnary(value);
}

module.exports = isArray;

var baseIsTypedArray = require('./_baseIsTypedArray'),
    baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./_isObjectLike'),
    isLength = require('./_isLength'),
    isObject = require('./_isObject'),
    isNative = require('./_isNative'),
    isPrototype = require('./_isPrototype'),
    isSymbol = require('./_isSymbol'),
    isTypedArray = baseIsTypedArray &&
    baseGetTag.isTypedArray ?
    function(value) {
      return baseGetTag(value, '_isTypedArray') ?
        value :
      // Use native methods of Object.isPrototype for objects.
      isObjectLike(value) &&
      isPrototype(value, Object) ?
        isPrototype(value, global.Array) ?
        value :
      // Use native methods of Object.is for other values.
      isObject(value) &&
      isLength(value.length) &&
      isTypedArray(value, value);
    } :
    function(value) {
      return baseGetTag(value, '_isTypedArray') ?
        value :
      // Use native methods of Object.isPrototype for objects.
      isObjectLike(value) &&
      isPrototype(value, Object) ?
        isPrototype(value, global.Array) ?
        value :
      // Use native methods of Object.is for other values.
      isObject(value) &&
      isLength(value.length) &&
      baseIsTypedArray(value, value, true); // Use `true` argument to `baseIsTypedArray` to ensure the value is treated like a typed array.
    };

module.exports = isTypedArray;
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]',
    objectTag = '[object Object]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    weakMapTag = '[object WeakMap]',
    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]',
    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[uint32Tag] = true;

/**
 * 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
 */
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 :

function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return true;
  }
};

var nativeCreate = require('./_nativeCreate');

/**
 * Checks if a hash value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf Hash
 * @param {string} key The key of the entry to check.
 *
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function hashHas(key) {
  var data = this.__data__;
  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data, key);
}

module.exports = hashHas;

(//

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]',
    objectTag = '[object Object]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    weakMapTag = '[object WeakMap]',
    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[uint32Tag] = true;

/**
 * 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
 */
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 :

function Promise(resolve, reject) {
  this.request = { key: key, arg: arg, fn: fn, 
  resolve: resolve, 
  reject: reject, 
  next: null }
  if (back) {
    back = back.next = request;
  } else {
    front = back = request;
    resume(key, arg);
  }
}

function AsyncGenerator(gen) {
  var front, back;

  function send(key, arg) {
    return new Promise(function(resolve, reject) {
      this.request = { key: key, arg: arg, fn: fn, 
      resolve: resolve, 
      reject: reject, 
      next: null }
      if (back) {
        back = back.next = request;
      } else {
        front = back = request;
        resume(key, arg);
      }
    })
  }

  function resume(key, arg) {
    return new Promise(function(resolve, reject) {
      this.request = { key: key, arg: arg, fn: fn, 
      resolve: resolve, 
      reject: reject, 
      next: null }
      if (back) {
        back = back.next = request;
      } else {
        front = back = request;
        resume(key, arg);
      }
    })
  }

  function AsyncGenerator(gen) {
    front = back = request;
    resume(key, arg);
  }

  this.request = { key: key, arg: arg, fn: fn, 
  resolve: resolve, 
  reject: reject, 
  next: null }
  if (back) {
    back = back.next = request;
  } else {
    front = back = request;
    resume(key, arg);
  }
}

var humps = createCommonsModule(fn, module); 
return module.exports;
function (arg) {
  resume("throw", arg);
} else {
  settle(result.done ? "return" : "normal", result.value);
}

throw err;
C = global[KEY];
  if (DESCRIPTORS && C && !C[SPECIES]) dP.f(C, SPECIES, {
    configurable: true,
    get: function () { return this; }
  });
};

var mapCacheGet = require('./_mapCacheGet'),
    mapCacheDelete = require('./_mapCacheDelete'),
    mapCacheHas = require('./_mapCacheHas'),
    mapCacheSet = require('./_mapCacheSet');

mapCacheGet = require('./_mapCacheGet');

mapCacheDelete = require('./_mapCacheDelete');

mapCacheHas = require('./_mapCacheHas');

mapCacheSet = require('./_mapCacheSet');

var 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.
 */

function baseGetAllKeys(object, keysFunc, symbolsFunc) {
  var objIsArr = isArray(object),
      othIsArr = isArray(oth),
      objTag = objIsArr ? arrayTag : getTag(object),
      othTag = othIsArr ? arrayTag : getTag(oth);

  if (objTag == argsTag) {
    if (!isBuffer(object)) {
      return false;
    }
    objIsArr = true;
  }
  if (othTag == argsTag) {
    if (!isBuffer(oth)) {
      return false;
    }
    othIsArr = true;
  }

  if (isTypedArray(object)) {
    return isTypedArray(oth) ? equalArrays(object, oth) : equalByTag(object, oth);
  }

  var objIsWrapped = objHasOwnProperty.call(object, '_wrapped'),
      othIsWrapped = othHasOwnProperty.call(oth, '_wrapped'),
      objUnwrapped = objIsWrapped ? object : object['_wrapped'],
      othUnwrapped = othIsWrapped ? oth : oth['_wrapped'],
      isSameTag = objUnwrapped && othUnwrapped && object.tag == oth.tag;

  if (isSameTag) {
    return true;
  }

  if (objIsWrapped) {
    return objUnwrapped && othUnwrapped && object.value().value() == oth.value().value();
  }

  if (objUnwrapped) {
    return isBuffer(object) || isBuffer(oth);
  }

  return equalArrays(object, oth, true, true, object, oth, false);
}

module.exports = baseGetAllKeys;

var shallowSetCommon = require('./_shallowSetCommon'),
    shallowSetPointers = require('./_shallowSetPointers'),
    shallowSetObjects = require('./_shallowSetObjects'),
    shallowSetSymbols = require('./_shallowSetSymbols'),
    shallowSetNative = require('./_shallowSetNative'),
    shallowSet = require('./_shallowSet'),
    Map = require('./_Map'),
    WeakMap = require('./_WeakMap'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * Creates a map cache object to store key-value pairs.
 */

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]);
  }
}

Map.prototype.clear = mapCacheClear;

Map.prototype['delete'] = mapCacheDelete;

Map.prototype.get = mapCacheGet;

Map.prototype.has = mapCacheHas;

Map.prototype.set = mapCacheSet;

module.exports = MapCache;

var shallowGetCommon = require('./_shallowGetCommon'),
    shallowGetPointers = require('./_shallowGetPointers'),
    shallowGetObjects = require('./_shallowGetObjects'),
    shallowGetSymbols = require('./_shallowGetSymbols'),
    shallowGetNative = require('./_shallowGetNative'),
    shallowGet = require('./_shallowGet'),
    Map = require('./_Map'),
    WeakMap = require('./_WeakMap'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * Removes all key-value entries from the map.
 */

function mapCacheClear() {
  this.size = 0;
  this.__data__ = {
    'hash': new Hash,
    'map': new (Map || ListCache),
    'string': new Hash
  };
}

module.exports = mapCacheClear;

var shallowCopyCommon = require('./_shallowCopyCommon'),
    shallowCopyPointers = require('./_shallowCopyPointers'),
    shallowCopyObjects = require('./_shallowCopyObjects'),
    shallowCopySymbols = require('./_shallowCopySymbols'),
    shallowCopyNative = require('./_shallowCopyNative'),
    shallowCopy = require('./_shallowCopy'),
    Map = require('./_Map'),
    WeakMap = require('./_WeakMap'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * A factory method to create hash objects for `Map` and `WeakMap`.
 */

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]);
  }
}

module.exports = Hash;

var shallowSet = require('./_shallowSet'),
    shallowCopy = require('./_shallowCopy'),
    shallowCopyObjects = require('./_shallowCopyObjects'),
    shallowCopySymbols = require('./_shallowCopySymbols'),
    shallowCopyNative = require('./_shallowCopyNative'),
    shallowCopy = require('./_shallowCopy'),
    Map = require('./_Map'),
    WeakMap = require('./_WeakMap'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * A factory method to create list cache objects for `Map` and `WeakMap`.
 */

function ListCache(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]);
  }
}

module.exports = ListCache;

var WeakMap = require('./_WeakMap'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * A factory method to create weak map cache objects for `Map` and `WeakMap`.
 */

function WeakMapCache(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]);
  }
}

module.exports = WeakMapCache;

var shallowCopyCommon = require('./_shallowCopyCommon'),
    shallowCopyPointers = require('./_shallowCopyPointers'),
    shallowCopyObjects = require('./_shallowCopyObjects'),
    shallowCopySymbols = require('./_shallowCopySymbols'),
    shallowCopyNative = require('./_shallowCopyNative'),
    shallowCopy = require('./_shallowCopy'),
    Map = require('./_Map'),
    WeakMap = require('./_WeakMap'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * A factory method to create list cache objects for `Map` and `WeakMap`.
 */

function ListCache(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]);
  }
}

module.exports = ListCache;

var shallowCopyCommon = require('./_shallowCopyCommon'),
    shallowCopyPointers = require('./_shallowCopyPointers'),
    shallowCopyObjects = require('./_shallowCopyObjects'),
    shallowCopySymbols = require('./_shallowCopySymbols'),
    shallowCopyNative = require('./_shallowCopyNative'),
    shallowCopy = require('./_shallowCopy'),
    Map = require('./_Map'),
    WeakMap = require('./_WeakMap'),
    ListCache = require('./_ListCache'),
    StringCache = require('./_StringCache'),
    MapCache = require('./_MapCache'),
    WeakMapCache = require('./_WeakMapCache'),
    ListCache.prototype = Map.prototype;

/**
 * A factory method to create weak map cache objects for `Map` and `WeakMap`.
 */

function WeakMapCache(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]);
  }
}

module.exports = WeakMapCache;
symbolsFunc) {
  var result = keysFunc(object);
  return isArray(object) ? arrayPush(result, symbolsFunc(object)) : result;
}

var ListCache = require('./_ListCache'),
    stackClear = require('./_stackClear'),
    stackDelete = require('./_stackDelete'),
    stackGet = require('./_stackGet'),
    stackHas = require('./_stackHas'),
    stackSet = require('./_stackSet');

/**
 * Creates a stack cache object to store key-value pairs.
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
function Stack(entries) {
  var data = this.__data__ = new ListCache(entries);
  this.size = data.size;
}

Stack.prototype.clear = stackClear;
Stack.prototype['delete'] = stackDelete;
Stack.prototype.get = stackGet;
Stack.prototype.has = stackHas;
Stack.prototype.set = stackSet;

module.exports = Stack;

/**
 * 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`.
 */
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;

var global = require('./_global');
var macrotask = require('./_task').set;
var Observer = global.MutationObserver || global.WebKitMutationObserver;
var process = global.process;
var Promise = global.Promise;
var isNode = require('./_cof')(process) == 'process';

module.exports = function () {
  var head, last, notify;

  var flush = function () {
    var parent,
        fn;
    if (isNode && (parent = process.domain)) parent.exit();
    while (head) {
      fn = head.fn;
      head = head.next;
      try {
        fn();
      } catch (e) {
        if (head) notify();
        else last = undefined;
        throw e;
      }
    } last = undefined;
    if (parent) parent.enter();
  };

  // Node.js
  if (isNode) {
    notify = function () {
      process.nextTick(flush);
    };
  // browsers with MutationObserver, except iOS Safari -
  } else if (Observer && !(global.navigator &&
    global.navigator.standalone)) {
    var toggle = true;
    var node = document.createTextNode('');
    new Observer(flush).observe(node, { characterData: true });
    notify = function () {
      node.data = '1' + node.data;
      flush();
    };
  // Web worker/Worker
  } else {
    var dispatchOnce = Promise.denodeify(pluck); // non-node.js
    notify = function () {
      dispatchOnce(flush);
    };
  }

  notify();

  return function () {
    notify();
  };
}();

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node.data = toggle \n
if (Promise & & Promise.resolve) { \n
  notify = function () { \n
    var task = { \n      fn: fn, \n      next: undefined \n    } \n
    if (last) \n
      last.next = task; \n
    if (!head) \n
      head = task; \n
    \n
    notify(); \n
    last = task; \n
    \n
    return; \n
  } \n
} \n
/**
 * A faster alternative to `Function#apply`, this function
 * invokes `func` with the `this` binding of `thisArg` and the arguments of `args`.
 * 
 * @private
 * @param {Function} func The function to invoke.
 * @param {*} thisArg The `this` binding of `func`.
 * @param {Array} args The arguments to invoke `func` with.
 * @returns {*} Returns the result of `func`.
 */
function apply(func, thisArg, args) {
  switch (args.length) {
    case 0:
      return func.call(thisArg); \n
    case 1:
      return func.call(thisArg, args[0]); \n
    case 2:
      return func.call(thisArg, args[0], args[1]); \n
    case 3:
      return func.call(thisArg, args[0], args[1], args[2]); \n
  }

  return func.apply(thisArg, args);
}

module.exports = apply;
defineProperties = Object.defineProperties
, defineProperty = Object.defineProperty
, objPrototype = Object.prototype
, NativeSymbol, SymbolPolyfill, HiddenSymbol, globalSymbols = create(null)
, isNativeSafe;\n
if (typeof Symbol === 'function') {\n  NativeSymbol = Symbol;\n  try {\n    String(NativeSymbol());\n  } catch (ignore) {\n    NativeSymbol = true;\n  }\n}

var generateName = (function () {\n  var created = create(null);
  return function (desc) {\n    var postfix = 0, name, ie11BugWorkaround;
    while (created[desc + (postfix || '')]) ++postfix;
    desc += (postfix || '');\n    created[desc] = true;\n    name = '@@' + desc;\n    defineProperty(objPrototype, name, d(gs(null, function (value) {\n      // For IE11 see: https://connect.microsoft.com/IE/feedbackdetail/view/1928508\n      // ie11-broken-getters-on-dom-objects\n      // https://github.com/medikoo/es6-symbol/issues/12\n      if (isNativeSafe) return;
      ie11BugWorkaround = true;\n    })));\n  }\n};\n
// Internal constructor (not one exposed) for creating Symbol instances.\n// This one is used to ensure that 'someSymbol instanceof Symbol' always return false\nHiddenSymbol = function Symbol(description) {\n  if (this instanceof HiddenSymbol) throw new TypeError('Symbol is not a constructor');\n  return SymbolPolyfill(description);\n};\n
// Exposed `Symbol` constructor\n// (returns instances of HiddenSymbol)\nmodule.exports = SymbolPolyfill = function Symbol(description) {\n  if (isNativeSafe) return NativeSymbol(description);\n  var symbol = create(HiddenSymbol.prototype);\n  return defineProperties(symbol, {
    __description__: d('', description),\n    __name__: d('', generateName(description))\n  });\n};\n
// Proper implementation of methods exposed on Symbol.prototype\n// They won't be accessible on produced symbol instances as they derive from\nHiddenSymbol.prototype=undefinedProperties(SymbolPolyfill.prototype, {\n  toString: d(function () { return 'Symbol (\n    + validateSymbol(this), __description__ + \')'; },.valueOf)\n});\n
// Proper implementation of toPrimitive and toStringTag for returned symbol\ninstances\n HiddenSymbol.prototype.toString\n
// Note: It's important to define 'toPrimitive' as last one, as some implementations\nif (isNativeSafe) return;
'}
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```
SymbolPolyfill.toPrimitive,
	d('c', SymbolPolyfill.prototype[SymbolPolyfill.toPrimitive]));

var isArrayLike = require('isArrayLike');

var isFunction = require('./isObject');

function isFunction(value) {
  if (!isObject(value)) {
    return false;
  }
  // The use of `Object#toString` avoids issues with the `typeof` operator // in Safari 9 which returns 'object' for typed arrays and other constructors.
  var tag = baseGetTag(value);

  return tag == funcTag || tag == genTag || tag == asyncTag || tag == proxyTag;
}

function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

function baseIsMatch(object, source, matchData, customizer) {
  var index = matchData.length,
      length = index,
      noCustomizer = !customizer;

  if (object == null) {
    return !length;
  }
  object = Object(object);
  while (index--) {
    var data = matchData[index];
    if ((noCustomizer && data[2]) ?
        data[1] !== object[data[0]]
    :
      !(data[0] in object)) {
      return false;
    }
  }
  var result = !!

  if (typeof isFunction === 'function') {
    return isFunction(result); // The `__proto__` property is not a function.
  }

  return result;
}

function baseEach(collection, iteratee) {
  var returnFunction = function(collection, iteratee) {
    var baseGetTag = require('./_baseGetTag'),
        isObject = require('./isObject');

    /**
     * Performs a `SameValueZero` comparison between two values to determine if they are equivalent.
     * @static
     * @memberOf _
     * @since 4.0.0
     * @category Lang
     * @param {*} value The value to compare.
     * @param {*} other The other value to compare.
     * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
     * @example
     *
     * var object = { 'a': 1 };
     * var other = { 'a': 1 };
     *
     * _.eq(object, object);
     * // => true
     *
     * _.eq(object, other);
     * // => false
     *
     * _.eq('a', 'a');
     * // => true
     *
     * _.eq(NaN, NaN);
     * // => true
     */
    function eq(value, other) {
      return value === other || (value !== value && other !== other);
    }

    return eq;
}

function baseMap(collection, iteratee) {
  var index = -1,
      length = collection.length,
      result = isArrayLike(collection) ?
        collection.slice(0, length)
      :
        collection;

  while (++index < length) {
    var data = collection[index];
    result[index] = iteratee(data, index, collection);
  }

  return result;
}
```

Array.prototype[UNSCOPABLES][key] = true;

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; // pow(2, 53) - 1 == 9007199254740991
};

// Thank's IE8 for his funny defineProperty
module.exports = !require('./_fails')(function () {
  return Object.defineProperty({}, 'a', { get: function () { return 7; } }).a != 7;
});

var root = require('./_root');

/** Built-in value references. */
var Symbol = root.Symbol;

module.exports = Symbol;

var global = require('./_global');
var navigator =

Array(collection.length) : []

baseEach(collection, function(value, key, collection) {
  return result;

var module.exports = baseMap;

baseEach = function (collection, iteratee, keysFunc) {
  var index = -1,
      result = [];
  baseEach(collection, function(value, key, collection) {
    result[++index] = iteratee(value, key, collection);
  });
  return result;
}

module.exports = baseMap;

createBaseFor(right) = function (object, iteratee, keysFunc) {
    var index = -1,
        iterable = Object(object),
        props = keysFunc(object),
        length = props.length;

    while (length--) {
      var key = props[fromRight ? length : ++index];
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return object;
}

module.exports = createBaseFor;

var freeGlobal = require('./_freeGlobal');

/**
 * 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`. Returns `true` for `undefined` renamed values.
 */
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 {*} [defaultValue] The value returned for `undefined` resolved values.
 * @returns {*} Returns the resolved value.
 * @example
 *
 * var object = { 'a': [{ 'b': { 'c': 3 } }] };
 *
 * _.get(object, 'a[0].b.c');
 * // => 3
 *
 * _.get(object, 'a[0].b.c', 'default');
 * // => 'default'
 */
function get(object, path, defaultValue) {
  var result = object == null ? undefined
                   : baseGet(object, path);
  return result === undefined ? defaultValue : result;
}

module.exports = get;

var aFunction = require('./_a-function');
module.exports = function (fn, that, 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);
      };
  }
  return function (/* ...args */) {
    return fn.apply(that, arguments);
  };
}

// 22.1.3.31 Array.prototype[@@unscopables]
var UNSCOPABLES = require('./_wks')('unscopables');
var ArrayProto = Array.prototype;
if (ArrayProto[UNSCOPABLES] == undefined) require('./_hide')(ArrayProto, UNSCOPABLES, {});
module.exports = function (key) {
  ArrayProto[UNSCOPABLES][key] = true;
};

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 (obj) {
  return obj == null ? undefined : toInteger(obj);
};

module.exports = function (fn) {
  return function (/* ...args */) {
    return fn.apply(this, arguments);
  };
}

// 22.1.3.31 Array.prototype[@@unscopables][key] = true;

module.exports = function (key) {
  Array.prototype[UNSCOPABLES][key] = true;
};

module.exports = function (exec) {
  try {
    return { e: false, v: exec() };
  } catch (e) {
    return { e: true, v: e };
  }
};

return 7;

}));

"use strict";

module.exports = function (obj) {
  return typeof obj === "function";
};

// Deprecated
"use strict";

module.exports = function (fn, switch (length) {
  var fn = fn.call(that, a, b, c);
  return fn.call(this, /* ...args */) {
    return fn.apply(this, arguments);
  };

  if (that === undefined) return fn;

  function (fn) {
    return function (/* ...args */) {
      return fn.apply(this, arguments);
    };
  }

  // 22.1.3.31 Array.prototype[@@unscopables][key] = true;

  module.exports = function (key) {
    return function (fn) {
      return function (/* ...args */) {
        return fn.apply(this, arguments);
      };
    };
  }

  // Thank's IE8 for his funny defineProperty
  module.exports = function (
    require('./_a-function');

  module.exports = function (fn, that, 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);
        };
    }
    return function (/* ...args */) {
      return fn.apply(this, arguments);
    };
  }

  // 22.1.3.31 Array.prototype[@@unscopables][key] = true;

  module.exports = function (key) {
    return function (fn) {
      return function (/* ...args */) {
        return fn.apply(this, arguments);
      };
    };
  }

  // Thank's IE8 for his funny defineProperty
  module.exports = function (obj) {
    return typeof obj === "function";
  };
partial deep comparisons.

```javascript
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;
  if (objLength != othLength && !isPartial) {
    return false;
  }
  var index = objLength;
  while (index--) {
    var key = objProps[index],
    objValue = object[key],
    othValue = other[key];

    if (customizer) {
      var result = customizer(othValue, objValue, key, object, other, stack);
    }
    // Recursively compare objects (susceptible to call stack limits).
    if (!result) {
      return false;
    }
  }
  // Assume cyclic values are equal.
  var skipCtor = isPartial,
  othCtor = other.constructor;
  if (skipCtor || (skipCtor = key == 'constructor') || (result && !skipCtor) || (skipCtor = key == 'constructor') || (result && !skipCtor)) {
    return false;
  }
  skipCtor || (skipCtor = key == 'constructor');
  var objCtor = object.constructor,
  othCtor = other.constructor;
  if (objCtor != othCtor &&
      ('constructor' in object && 'constructor' in other) &&
      !(typeof objCtor == 'function' &&
        typeof objCtor.constructor &&
        typeof othCtor == 'function' &&
        othCtor.constructor)) {
    return false;
  }
  return true;
}
```

```javascript
function isLength(value) {
  return typeof value == 'number' &&
    value > -1 && value % 1 == 0 && value <= MAX_SAFE_INTEGER;
}
```

```javascript
return /*!
 * clipboard.js v2.0.4
 * https://zenorocha.github.io/clipboard.js
 * 
 * Licensed MIT © 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
		root["ClipboardJS"] = factory();
})(this, function() {
/**
 * @param {Object} object
 * @param {number} bitmask
 * The object to compare.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */

```
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```javascript
if(!__webpack_require__.o(exports, name)) {
/******/ 			Object.defineProperty(exports, name, { enumerable: true, get: getter });
/******/
	}
	}
	
	// define __esModule on exports
	Object.defineProperty(exports, 'esModule', { value: true });
	
	Object.defineProperty(exports, name, { enumerable: true, value: value });
	
	// mode & 1: value is a module id. require
	// mode & 2: merge all properties of value into the ns
	// mode & 4: return value when already ns object
	// mode & 8: behave like require
	// function(value, mode, & 1) value = __webpack_require__(_value)(mode & 1)
	
	// define __esModule on exports
	__webpack_require__.r = function(exports) {
		if(typeof Symbol !== 'undefined' && Symbol.toStringTag) {
			Object.defineProperty(exports, Symbol.toStringTag, { value: 'Module' });
		}
		Object.defineProperty(exports, '__esModule', { value: true });
	}
	
	// create a fake namespace object
	Object.defineProperty(exports, 'default', { enumerable: true, value: value });
	
	// __webpack_require__.t = function(value, mode) {
		var ns = Object.create(null);
		
		__webpack_require__.r(ns);
		
		var getter = module && module._esModule ?
		
			function getDefault() { return module['default']; }
			function getModuleExports() { return module; }
			
		__webpack_require__.d(ns, key, function(key) { return value[key]; }, getter);
		
		__webpack_require__.r(ns);
		
		// Load entry module and return exports
		var exports = __webpack_require__(__webpack_require__.s = 0);
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		
		

```
_possibleConstructorReturn(this, (Clipboard.__proto__ || Object.getPrototypeOf(Clipboard)).call(this));\n\n
_this.resolveOptions(options);\n
_this.listenClick(trigger);\n
return _this;\n }\n\n /**\n * Defines if
attributes would be resolved using internal setter functions\n * or custom functions that were passed in the
constructor.\n * @param {Object} options\n */\n\n\n _createClass(Clipboard, [{\n
key:
'resolveOptions',\n
value: function resolveOptions() {\n
var options = arguments.length > 0 &&
arguments[0] !== undefined ? arguments[0] : {};\n\n
this.action = typeof options.action === 'function' ?
options.action : this.defaultAction;\n
this.target = typeof options.target === 'function' ? options.target :
this.defaultTarget;\n
this.text = typeof options.text === 'function' ? options.text : this.defaultText;\n
this.container = _typeof(options.container) === 'object' ? options.container : document.body;\n
}\n\n
/**\n
* Adds a click event listener to the passed trigger.\n
* @param
{String|HTMLElement|HTMLCollection|NodeList} trigger\n
*/\n\n }, {\n
key: 'listenClick',\n
value:
function listenClick(trigger) {\n
var _this2 = this;\n\n
this.listener = (0,
_goodListener2.default)(trigger, 'click', function (e) {\n
return _this2.onClick(e);\n
});\n
}\n\n
/**\n
* Defines a new `ClipboardAction` on each click event.\n
* @param {Event} e\n
*/\n\n },
{\n
key: 'onClick',\n
value: function onClick(e) {\n
var trigger = e.delegateTarget ||
e.currentTarget;\n\n
if (this.clipboardAction) {\n
this.clipboardAction = null;\n
}\n\n
this.clipboardAction = new _clipboardAction2.default({\n
action: this.action(trigger),\n
target:
this.target(trigger),\n
text: this.text(trigger),\n
container: this.container,\n
trigger:
trigger,\n
emitter: this\n
});\n
}\n\n
/**\n
* Default `action` lookup function.\n
*
@param {Element} trigger\n
*/\n\n }, {\n
key: 'defaultAction',\n
value: function
defaultAction(trigger) {\n
return getAttributeValue('action', trigger);\n
}\n\n
/**\n
* Default
`target` lookup function.\n
* @param {Element} trigger\n
*/\n\n }, {\n
key: 'defaultTarget',\n
value: function defaultTarget(trigger) {\n
var selector = getAttributeValue('target', trigger);\n\n
if
(selector) {\n
return document.querySelector(selector);\n
}\n
}\n\n
/**\n
* Returns the
support of the given action, or all actions if no action is\n
* given.\n
* @param {String} [action]\n
*/\n\n }, {\n
key: 'defaultText',\n\n\n
/**\n
* Default `text` lookup function.\n
* @param
{Element} trigger\n
*/\n
value: function defaultText(trigger) {\n
return getAttributeValue('text',
trigger);\n
}\n\n
/**\n
* Destroy lifecycle.\n
*/\n\n }, {\n
key: 'destroy',\n
value:
function destroy() {\n
this.listener.destroy();\n\n
if (this.clipboardAction) {\n
this.clipboardAction.destroy();\n
this.clipboardAction = null;\n
}\n
}\n }], [{\n
key:
'isSupported',\n
value: function isSupported() {\n
var action = arguments.length > 0 && arguments[0]
!== undefined ? arguments[0] : ['copy', 'cut'];\n\n
var actions = typeof action === 'string' ? [action] : action;\n
var support = !!document.queryCommandSupported;\n\n
actions.forEach(function (action) {\n
support = support && !!document.queryCommandSupported(action);\n
});\n\n
return support;\n
}\n }]);\n\n return Clipboard;\n}(_tinyEmitter2.default);\n\n/**\n * Helper function to retrieve attribute value.\n
* @param {String} suffix\n * @param {Element} element\n */\n\n\nfunction getAttributeValue(suffix, element) {\n
var attribute = 'data-clipboard-' + suffix;\n\n if (!element.hasAttribute(attribute)) {\n
return;\n }\n\n return
element.getAttribute(attribute);\n}\n\nmodule.exports = Clipboard;\n\n/***/ }),\n/* 1 */\n/***/ (function(module,
exports, __webpack_require__) {\n\n\"use strict\";\n\n\nvar _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\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\nvar _select =
__webpack_require__(2);\n\nvar _select2 = _interopRequireDefault(_select);\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction

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```javascript
function ClipboardAction(options) {
    _classCallCheck(this, ClipboardAction);

    if (arguments.length > 0 && arguments[0] !== undefined) {
        options = arguments[0];
    }

    this.action = options.action;
    this.container = options.container;
    this.emitter = options.emitter;
    this.target = options.target;
    this.text = options.text;
    this.trigger = options.trigger;
    this.selectedText = this.container.getAttribute('dir') !== 'rtl';
    this.container.appendChild(this.fakeElem);

    this.selectedText = (0, _select2.default)(this.fakeElem);
    this.fakeElem.setAttribute('readonly', '');
    this.fakeElem.value = this.text;

    this.fakeElem.style.top = yPosition + 'px';
    this.fakeElem.style.enterprise = '0';
    this.fakeElem.style.border = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.margin = '0';

    this.fakeElem.style.fontSize = '12pt';
    this.fakeElem.style.zooming = false;
    this.fakeElem.style.position = 'absolute';
    this.fakeElem.styleADING = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.margin = '0';
    this.fakeElem.style.fontSize = '12pt';
    this.fakeElem.style.zooming = false;
    this.fakeElem.style.position = 'absolute';
    this.fakeElem.styleADING = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.margin = '0';

    if (this.trigger) {
        this.trigger.focus();
    }

    this.clearSelection();
    this.copyText();

    this.handleResult(succeeded);
}
```

/**
 * Fires an event based on the copy operation result.
 * @param {Boolean} succeeded
 * @returns {Object}
 */
var ClipboardAction = function () {
    /**
     * @param {Object} options
     * @returns {Object}
     */
    function _createClass(Constructor, protoProps, staticProps) {
        if (protoProps) {
            Constructor.prototype = Object.create(protoProps);
        }
        if (staticProps) {
            _classCallCheck(Constructor, _createClass);
        }
    }

    /**
     * Inner class which performs selection from either `text` or `target`
     * properties and then executes copy or cut operations.
     * @returns {Function}
     */
    function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function\n")); }
}
```
```
(is.string(target)) {\n    return listenSelector(target, type, callback);\n}\nelse {\n    throw new TypeError('First argument must be a String, HTMLElement, HTMLCollection, or NodeList');\n}\n}

/**
 * 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);
        }
    }
}

/**
 * Adds 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);
            });
        }
    }
}

/**
 * Adds 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]')
        && ('length' in value)
        && (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
    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 `Array.prototype.unshift.apply(arguments)
        return _delegate.bind(null, document).apply(null, arguments);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        elements = document.querySelector(elements);
    }

    return delegateArrayLike(elements, function(element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}

module.exports = delegate;


/***/ }),
/* 7 */
/***/ (function(module, exports) {

var DOCUMENT_NODE_TYPE = 9;

/**
 * A polyfill for Element.matches()
 */
if (typeof Element !== 'undefined' && !Element.prototype.matches) {
    var proto = Element.prototype;

    proto.matches = function(selector, context) {
        var matches = this.matchesSelector || this.msMatchesSelector ||
                        this.webkitMatchesSelector || this.mozMatchesSelector;

        return matches.call(this, selector, context);
    }
});
```

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0, arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i];\n\n return arr2;\n } else {\n return
Array.from(arr);\n }\n};\n\nvar initial = WINDOW.FontAwesomeConfig || {};\n\nfunction getAttrConfig(attr) {\n
var element = DOCUMENT.querySelector('script[' + attr + ']');\n\n if (element) {\n return
element.getAttribute(attr);\n }\n}\n\nfunction coerce(val) {\n // Getting an empty string will occur if the attribute is
set on the HTML tag but without a value\n // We'll assume that this is an indication that it should be toggled to
true\n // For example <script data-search-pseudo-elements src=\"...\"></script>\n if (val === '') return true;\n if
(val === 'false') return false;\n if (val === 'true') return true;\n return val;\n}\n\nif (DOCUMENT && typeof
DOCUMENT.querySelector === 'function') {\n var attrs = [['data-family-prefix', 'familyPrefix'], ['datareplacement-class', 'replacementClass'], ['data-auto-replace-svg', 'autoReplaceSvg'], ['data-auto-add-css',
(_ref) {\n var _ref2 = slicedToArray(_ref, 2),\n
attr = _ref2[0],\n
key = _ref2[1];\n\n var val =
coerce(getAttrConfig(attr));\n\n if (val !== undefined && val !== null) {\n
initial[key] = val;\n }\n
});\n}\n\nvar _default = _extends({\n familyPrefix: DEFAULT_FAMILY_PREFIX,\n replacementClass:
DEFAULT_REPLACEMENT_CLASS,\n autoReplaceSvg: true,\n autoAddCss: true,\n autoA11y: true,\n
searchPseudoElements: false,\n observeMutations: true,\n keepOriginalSource: true,\n measurePerformance:
false,\n showMissingIcons: true\n}, initial);\n\nif (!_default.autoReplaceSvg) _default.observeMutations =
false;\n\nvar config = _extends({}, _default);\n\nWINDOW.FontAwesomeConfig = config;\n\nvar w = WINDOW ||
{};\n\nif (!w[NAMESPACE_IDENTIFIER]) w[NAMESPACE_IDENTIFIER] = {};\nif
(!w[NAMESPACE_IDENTIFIER].styles) 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\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 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

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```javascript
var reduce = function fastReduceObject (subject, fn, initialValue, thisContext) {
  var keys =
    @param  {Object}   thisContext  The context for the reducer.
    @return {mixed}                 The final result.

  return fn.call(thisContext, a, b, c, d);
};

'use strict';

/**
 * # Reduce
 *
 * A fast object `.reduce()`

 * @param  {Object}   subject      The object to reduce over.
 * @param  {Function} fn
```
Object.keys(subject),
      length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn,
      thisContext) : fn,
      length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn,
      thisContext) : fn,
      i, key, result;

  if (initialValue === undefined) {
    i = 1;
    result = subject[keys[0]];
  } else {
    i = 0;
    result = initialValue;
  }

  for (; i < length; i++) {
    key = keys[i];
    result = iterator(result, subject[key], key, subject);
  }

  return result;
};

var styles$2 = namespace.styles;
var shims = 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, iconName) { acc[iconName] = subject[iconName]; return acc; });

  _byLigature = lookup(function (acc, iconName) { var ligatures = iconName.split(' '); for (var i = 0; i < ligatures.length; i++) { acc[ligatures[i]] = iconName; } return acc; });

  var hasRegular = 'far' in styles$2;

  _byOldName = reduce(shims, function (acc, shim) {
    var oldName = shim[0]; var prefix = shim[1];
    acc[oldName] = {
      prefix: prefix || acc[oldName].prefix, iconName: shim[2],
      rest: shim[3];
    }
    return acc;
  }, {});

  return _byOldName[name];
}

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; 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 + '>';}

  node.parentNode.replaceChild(newNode, node);
  newNode.outerHTML = newInnerHTML;
};

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 newInnerHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('\n');
    if (node.parentNode && node.outerHTML) {
      node.outerHTML = newInnerHTML + (config.keepOriginalSource &
      & node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');
    } else if (node.parentNode) {
      var newNode = document.createElement('span');
      node.parentNode.replaceChild(newNode, node);
      newNode.outerHTML = 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)) {
      return mutators.replace(mutation);
    }

    var forSvg = new RegExp(config.familyPrefix + '\.*');
    delete abstract[0].attributes.style;

    var splitClasses = abstract[0].attributes.class.split(' ');
    reduce(function (acc, cls) { return acc; }, 0); if (cls === config.replacementClass ||
    cls.match(forSvg)) {
      var accToSvg = node.getAttribute ? node.getAttribute('data-fa-i2svg') : null;
      accToSvg = accToSvg || node.getAttribute('data-fa-i2svg');
      newNode = newNode.outerHTML = newInnerHTML;
      return accToSvg;
    } else {
      accToNode.push(node); return acc;
    }
  },
  toNode: function toNode(mutation) {
    var abstract = mutation[0];

    var newInnerHTML = abstract.map(function (a) {
      return toHtml(a);
    }).join('');
    node.setElementAttribute('class', splitClasses, toNode.join(' ');
  }
};

function perform(mutations, callback) {
  var callbackFunction = typeof callback ===
  "function" ? callback : noop$1;

  mutations.replace = function (mutation) {
    var abstract = mutation[1];

    var node = nodeToReplace; if (node.parentNode) {
      node.parentNode.replaceChild(newNode, node);
      newNode.outerHTML = newInnerHTML;
      return accToNode.push(node); return acc;
    }
  };

  return perform(mutations, callback);
}
'function' ? callback : noop$1;

  if (mutations.length === 0) {
    callbackFunction();
  } else {
    var frame = WINDOW.requestAnimationFrame || function (op) {
      return op();
    };

    var mutator = getMutator();
    var mark = perf.begin('mutate');
    mutations.map(mutator);
    mark(mark);
    callbackFunction();
  }

  if (disabled) {
    return;
  }

  var frame = WINDOW.requestAnimationFrame || function (op) {
    return op();
  };

  frame(function () {
    var mutator = getMutator();
    var mark = perf.begin('mutate');
    mutations.map(mutator);
    mark(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;

    mo = new MUTATION_OBSERVER(function (objects) {
      if (disabled) {
        return;
      }

      toArray(objects).forEach(function (mutationRecord) {
        if (mutationRecord.type === 'childList' &&
            mutationRecord.addedNodes.length > 0 &&
            IS_WATCHED(mutationRecord.addedNodes[0])) {
          if (config.searchPseudoElements) {
            pseudoElementsCallback(mutationRecord.target);
          }
          treeCallback(mutationRecord.target);
        }
      });
    });

    if (!IS_DOM) return;

    mo.observe(observeMutationsRoot, {
      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;
    }

    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 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) {
        val.iconName = byLigature(val.prefix, node.innerText);
      } else if (val.prefix && &innerText.length === 1) {
        val.iconName = byUnicode(val.prefix, toHex(node.innerText));
      }
      return val;
    }

    var parseTransformString = function parseTransformString(transformString) {
      var transform = {
        size: 16,
        x: 0,
        y: 0,
        flipX: false,
        flipY: false,
        rotate: 0
      };
      if (transformString) {
        return transform;
      }
      return n.toLowerCase().split(' ').reduce(function (acc, n) {
        var parts = n.toLowerCase().split('-');
        var first = parts[0];
        var rest = parts.slice(1).join('-');
        if (first & rest === 'h') {
          acc.flipX = true;
          return acc;
        } else if (first & rest === 'v') {
          acc.flipY = true;
          return acc;
        } else if (isNaN(rest)) {
          return acc;
        } else if (rest) {
          acc.first = parts[0];
          acc.rest = parts.slice(1).join('-');
          if (first & rest === 'h') {
            acc.flipX = true;
            return acc;
          } else if (first & rest === 'v') {
            acc.flipY = true;
            return acc;
          }
        }
        return acc;
      }, '')
      return acc;
    }

    var transformParser = function (node) {
      return node.getAttribute('data-fa-transform');
    }

    var symbolParser = function (node) {
      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 val;
    }

    var parseTransformString = function parseTransformString(transformString) {
      var transform = {
        size: 16,
        x: 0,
        y: 0,
        flipX: false,
        flipY: false,
        rotate: 0
      };
      if (transformString) {
        return transform;
      }
      return n.toLowerCase().split(' ').reduce(function (acc, n) {
        var parts = n.toLowerCase().split('-');
        var first = parts[0];
        var rest = parts.slice(1).join('-');
        if (first & rest === 'h') {
          acc.flipX = true;
          return acc;
        } else if (first & rest === 'v') {
          acc.flipY = true;
          return acc;
        }
        return acc;
      }, '')
      return acc;
    }

    var transformParser = function (node) {
      return node.getAttribute('data-fa-transform');
    }

    var symbolParser = function (node) {
      return
    }
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);

missing = { tag: 'g', children: [RING, DOT, QUESTION, EXCLAMATION] };

styles = namespace.styles;

LAYERS_TEXT_CLASSNAME = 'fa-
layers-text;\nvar FONT_FAMILY_PATTERN = /Font Awesome 5 (Solid|Regular|Light|Brands|Free|Pro)/;\nvar STYLE_TO_PREFIX = {'\"Solid\": \"fas\", \"Regular\": \"far\", \"Light\": \"fal\", \"Brands\": \"fab\"};\nvar FONT_WEIGHT_TO_PREFIX = {'\"900\": \"fas\", \"400\": \"far\", \"300\": \"fal\"};\n
function findIcon(iconName, prefix) {\n  var val = \{ \n    found: false, \n    width: 512, \n    height: 512, \n    icon: missing \n  \}; \n  if (iconName &\n    \& prefix &\n    \& \& styles[\"prefix\"] &\n    \& \& styles[\"prefix\"[\"iconName\"]]) {\n    \n    var icon = styles[\"prefix\"[\"iconName\"]];\n    var width = icon[0];\n    var height = icon[1];\n    var vectorData = icon.slice(4);\n    var val = \{ \n      found: true, \n      width: width, \n      height: height, \n      icon: { \n        tag: \"path\", \n        attributes: { fill: \"currentColor\", d: vectorData[0] } \n      } \n    } else if (iconName &\n      \& prefix &\n      \& \& !config.showMissingIcons) {\n      throw new MissingIcon(\"Icon is missing for prefix \" + prefix + \" with icon name \" + iconName);\n    }\n  }\n  return val;\n}\n
function generateSvgReplacementMutation(node, nodeMeta) {\n  var iconName = nodeMeta.iconName,\n      title = nodeMeta.title,\n      prefix = nodeMeta.prefix,\n      transform = nodeMeta.transform,\n      symbol = nodeMeta.symbol,\n      mask = nodeMeta.mask,\n      extra = nodeMeta.extra;\n
  return [node,\n    makeInlineSvgAbstract({\n      icons: {\n        main: findIcon(iconName, prefix),\n        mask: findIcon(mask.iconName, mask.prefix)\n      },\n      prefix: prefix,\n      iconName: iconName,\n      transform: transform,\n      symbol: symbol,\n      mask: mask,\n      title: title,\n      extra: extra,\n      watchable: true\n    })];\n}\n
function generateLayersText(node, nodeMeta) {\n  var title = nodeMeta.title,\n      transform = nodeMeta.transform,\n      extra = nodeMeta.extra,\n      width = null,\n      height = null;\n
  if (IS_IE) {\n    var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);\n    var boundingClientRect = node.getBoundingClientRect();\n    width = boundingClientRect.width / computedFontSize;\n    height = boundingClientRect.height / computedFontSize;\n  }\n
  if (config.autoA11y && !title) {\n    extra.attributes[\"aria-hidden\"] = \"true\";\n  }\n
  return [node,\n    makeLayersTextAbstract({\n      content: node.innerHTML,\n      width: width,\n      height: height,\n      transform: transform,\n      title: title,\n      extra: extra,\n      watchable: true\n    })];\n}\n
function generateMutation(node) {\n  var nodeMeta = parseMeta(node);\n
  if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {\n    return generateLayersText(node, nodeMeta);\n  } else {\n    return generateSvgReplacementMutation(node, nodeMeta);\n  }\n}\n
function searchPseudoElements(root) {\n  if (!IS_DOM) return;\n
  var end = perf.begin('searchPseudoElements');\n
  disableObservation(function () {\n    toArray(root.querySelectorAll('*')).filter(function (n) {\n      return n.parentNode !== document.head &&\n      !~TAGNAMES_TO_SKIP_FOR_PSEUDEOELEMENTS.indexOf(n.tagName.toUpperCase()) &&\n      !n.getAttribute(DATA_FA_PSEUDO_ELEMENT);\n    }).forEach(function (node) {\n      var children = toArray(node.children),\n          alreadyProcessedPseudoElement = children.filter(function (c) {\n            return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) === pos;\n          })[0];\n
      if (alreadyProcessedPseudoElement) {\n        // Delete the old one, since we're replacing it with a new one\n        node.removeChild(alreadyProcessedPseudoElement);\n      }\n    });\n  });\n  end();\n}\n
Open Source Used In Branch Migration Tool 1.9  10715
extra.attributes[DATA_FA_PSEUDO_ELEMENT] = pos;

var abstract =
makeInlineSvgAbstract(_extends({
  icons: {
    main: findIcon(iconName,
    prefix),
    mask: emptyCanonicalIcon()
  },
  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.outerHTML = abstract.map(function (a) {
  return toHtml(a);
}).join('
');

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 var prefixes = Object.keys(styles);

var prefixesDomQuery = ['.' + LAYERS_TEXT_CLASSNAME + ':not([data-extend] + [data-extend] + [data-extend] + [data-extend])',
concat(prefixes.map(function (p) {
  return '.' + p + ':not([data-extend] + [data-extend] + [data-extend] + [data-extend]);
}));

var var candidates =
toArray(root.querySelectorAll(prefixesDomQuery));

if (candidates.length > 0) {
  hclAdd('pending');
  hclRemove('complete');
} else {
  return;
}

var var mark = perf.begin(onTree);

var var mutations =
candidates.reduce(function (acc, node) {
  try {
    var mutation = generateMutation(node);
    if (mutation)
      acc.push(mutation);
  } catch (e) {
    if (!PRODUCTION)
      console.error(e);
  }

  return acc;
}, []);

mark();

perform(mutations,
function () {
  hclAdd('active');
  hclAdd('complete');
  hclRemove('pending');
});

if (typeof callback === 'function') callback();
});

function onNode(node) {
  var var mutation = generateMutation(node);
  if (mutation)
    callback(mutation);
  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)
        console.error(e);
    }

    return acc;
  }, []);

  mark();

  perform(mutations,
function () {
  //
  });

  end();
}

function onTree(root) {
  var var mutation = generateMutation(node);
  if (mutation)
    callback(mutation);
  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)
        console.error(e);
    }

    return acc;
  }, []);

  mark();

  perform(mutations,
function () {
  //
);
Open Source Used In Branch Migration Tool 1.9

```javascript
var icon = icons[iconName];
var expanded = !!icon.icon;

if (expanded) {
  acc[icon.iconName] = icon;
} else {
  acc[iconName] = icon;
}
return acc;

if (typeof namespace.hooks.addPack === "function") {
  namespace.hooks.addPack(prefix, normalized);
}
else {
  namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, normalized);
}

Object.keys(definitions).forEach(function (key) {
  acc[key] = definitions.reduce(this._pullDefinitions, {});
});

/**
 * 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 easily the upgrade process for our users by automatically defining this as well.
 */

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] || {}, additions[key]);
      });

      return Library;
    }
  }, {
    key: 'reset',
    value: function reset() {
      this.definitions = {};
    }
  }, {
    key: '_pullDefinitions',
    value: function _pullDefinitions(definitions, definition) {
      var normalized = definition.prefix && definition.iconName && definition.icon ? { 0: definition } : definition;

      Object.keys(normalized).forEach(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] = icon;
      });

      return Library;
    }
  }]);

  return Library;
}();

var noAuto = function noAuto() {
  config.autoReplaceSvg = false;
  config.observeMutations = false;

  disconnect();
};

var _cssInserted = false;

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 (config.searchPseudoElements) {
        searchPseudoElements(node);
      }

      onTree(node, callback);
    }
  },

  css: css,

  insertCss: function insertCss$$1() {
    if (!_cssInserted) {
      insertCss(css());
      _cssInserted = true;
    }
  },

  watch: function watch() {
    var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

    if (IS_DOM) {
      var ensureCss$$1 = params$node = params.node,
          node = params$node || undefined;

      if (ensureCss$$1)
        return;

      DOCUMENT.createElement(div).innerHTML = val.html;
      return container.children;
    }
  }
};
```

nodeCallback: onNode,
    pseudoElementsCallback: searchPseudoElements,
    observeMutationsRoot: observeMutationsRoot
  });
}

var parser = parseTransformString(transformString);

var iconDefinition = resolveIcons(function (iconDefinition)
  { return iconDefinition; });

var transformString = params.transform,
    transform = _params$transform !== undefined ? transformString : undefined;

function meaninglessTransform() {
  return;
}

var iconDefinition = resolveIcons(function (iconDefinition)
  { return iconDefinition; });

var iconName = iconDefinition.icon;

var return apiObject(extend({
  type: 'icon',
  iconDefinition,
  function () {
    ensure Css();
    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: {}}
    });
  });
}

var text = function text(content) {
  var transformString = params.transform,
      transform = _params$transform !== undefined ? transformString : undefined;

  function meaninglessTransform() {
    return;
  }

  var return apiObject(extend({
    type: 'text',
    content: content
  });
};

var counter = function counter(content) {
  var transformString = params.transform,
      transform = _params$transform !== undefined ? transformString : undefined;

  function meaninglessTransform() {
    return;
  }

  var return apiObject(extend({
    type: 'counter',
    content: content
  });
};

var layer = function layer(assembler) {
  return apiObject({
    type: 'layer',
    function () {
      ensureCss();
      return makeLayersCounterAbstract({
        content: content.toString(),
        title: title,
        extra: {
          attributes: attributes,
          styles: styles,
          classes: [config.familyPrefix + '-layers-counter'].concat(toConsumableArray(classes))
        }
      });
    }
  });
};

var api = {
  noAuto: noAuto,
  config: config,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  counter: counter,
  layer: layer,
  toHtml: toHtml
};

var autoReplace = function autoReplace() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  var autoReplaceSvgRoot = params.autoReplaceSvgRoot,
      autoReplaceSvgRoot = _params$autoReplaceSvgRoot !== undefined ? autoReplaceSvgRoot : undefined;

  if (Object.keys(namespace.styles).length > 0 &
function(result, value, key) {
    (result[value] || (result[value] = [])).push(key);
    return result;
  }, {}); //

var func = isArray(collection) ? arrayReduce : baseReduce;

var accum = arguments.length < 3 ? 
    return func(collection, baseIteratee(iteratee, 4), accumulator, initAccum, baseEach);

'reduce
''use strict';
function noop() {};

var p = config$1.measurePerformance && PERFORMANCE && PERFORMANCE.mark;


  return val;
}

var noop$2 = [];

  val.push({
    tag: 'span',
    attributes: attributes,$
    children: [content]
  });

  if (title) {

    styleString = joinStyles(styles);

    if (styleString.length > 0) {
      attributes['style'] = styleString;
    }

    var val

      startCentered: true, width: width, height: height });
    styles['-webkit-transform'] = styles['transform'];
  }

  var

    params:
      transform,
      title = params.title,
      extra = params.extra,
      _params$watchable = params.watchable,
      watchable = _params$watchable === undefined ? false : _params$watchable;


    var

      main = _params$icons.main,
      mask = _params$icons.mask,
      prefix = params.prefix,
      iconName = params.iconName,

      transform = transformForSvg({ transform: transform, containerWidth: main.width, iconWidth: main.width });


      var

    asIcon = function (_ref) {
      var

    children = _ref.children,$
      attributes = _ref.attributes,$
      main = _ref.main,$
      mask = _ref.mask,$
      styles = _ref.styles,$
      transform = _ref.transform;$

   function (transform) { return val

   { 
     var

   asIcon = function (_ref) {
     var

   children = _ref.children,$
     attributes = _ref.attributes,$
     main = _ref.main,$
     mask = _ref.mask,$
     styles = _ref.styles,$
     transform = _ref.transform;
```javascript
&& PERFORMANCE.measure ? PERFORMANCE : { mark: noop$2, measure: noop$2 };

var preamble = 'FA
\"5.0.13\"';

var begin = function begin(name) {
  p.mark(preamble + ' ' + name + ' begins');
  return function () {
    return end(name);
  };
}

var end = function end(name) {
  p.mark(preamble + ' ' + name + ' ends');
  p.measure(preamble + ' ' + name, preamble + ' ' + name + ' begins', preamble + ' ' + name + ' ends');
};

var perf = { begin: begin, end: end };

'use strict';

/**
 * # Reduce
 *
 * A fast object `.reduce()` implementation.
 */
var reduce = function fastReduceObject (subject, fn, initialValue, thisContext) {
  var keys = Object.keys(subject),
      length = keys.length,
      iterator = thisContext !== undefined ? bindInternal4(fn, thisContext) : fn,
      i, key, result;

  if (initialValue === undefined) {
    i = 1;
    result = subject[keys[0]];
  } else {
    i = 0;
    result = initialValue;
  }

  for (; i < length; i++) {
    key = keys[i];
    result = iterator(result, subject[key], key, subject);
  }

  return result;
};

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$2 = 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$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());

  return { prefix: null, iconName: null, rest: [] };
};

function toOther(abstractNodes) {
  var tag = abstractNodes.tag,
      _abstractNodes$attributes = abstractNodes.attributes,
      _abstractNodes$children = abstractNodes.children;

  if (typeof abstractNodes === 'string') {
    return htmlEscape(abstractNodes);
  } else {
    return '<' + tag + (joinAttributes(_abstractNodes$attributes) || '') + '>' +
    _abstractNodes$children.map(toOther).join('') + '</' + tag + '>

    function toOther(abstractNodes) {
      var tag = abstractNodes.tag,
          _abstractNodes$attributes = abstractNodes.attributes,
          _abstractNodes$children = abstractNodes.children;

      if (typeof abstractNodes === 'string') {
        return htmlEscape(abstractNodes);
      } else {
        var newOuterHTML = abstract.map(function (a) {
          return toOther(a);
        });

        return newOuterHTML +
        (config$1.keepOriginalSource && node.tagName.toLowerCase() !== 'svg' ? '<!-- ' + node.outerHTML + ' -->' : '');
      }
    }
  }
}
```

```
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.
      // Short-circuit to the standard replacement
      if (~classArray(node).indexOf(config$1.replacementClass)) {
        return mutators.replace(mutation);
      }

      var forSvg = new RegExp(config$1.familyPrefix + '.*');
      var delete abstract[0].attributes.style;
      var var splitClasses = abstract[0].attributes.class.split(' ');
      reduce(function (acc, cls) {
        if (cls === config$1.replacementClass ||
            cls.match(forSvg)) {
          acc[0].attributes.class = splitClasses.join(' ');
        }
      }, { toNode: [], toSvg: [] });
      var abstract[0].attributes.innovationPerform(mutations, callback);
      var var callbackFunction = typeof callback === 'function' ? callback : noop$1;
      var var newInnerHTML = abstract.map(function (a) {
        return toHtml(a);
      }).join('\n');
      node.setAttribute('class', splitClasses.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;
}

var mo = null;

function observe(options) {
  if (!MUTATION_OBSERVER) return;

  var treeCallback = options.treeCallback,
      nodeCallback = options.nodeCallback,
      pseudoElementsCallback = options.pseudoElementsCallback;

  mo = new MUTATION_OBSERVER(function (objects) {
    if (disabled) return;

    toArray(objects).forEach(function (mutationRecord) {
      if (mutationRecord.type === 'childList' && mutationRecord.addedNodes.length > 0 &&
          !isWatched(mutationRecord.addedNodes[0])) {
        if (config$1.searchPseudoElements) {
          pseudoElementsCallback(mutationRecord.target);
        }

        treeCallback(mutationRecord.target);
      }

      if (mutationRecord.type === 'attributes' && mutationRecord.target.parentNode &&
          config$1.searchPseudoElements) {
        pseudoElementsCallback(mutationRecord.target.parentNode);
      }

      if (mutationRecord.type === 'attributes' && isWatched(mutationRecord.target) &&
          ~ATTRIBUTES_WATCHED_FOR_MUTATION.indexOf(mutationRecord.attributeName)) {
        if (mutationRecord.attributeName === 'class') {
          var var_getCanonicalIcon = getCanonicalIcon(classArray(mutationRecord.target));
          var prefix = _getCanonicalIcon, prefx, name = _getCanonicalIcon.iconName;
          if (prefix) mutationRecord.target.setAttribute('data-prefix', prefix);
          if (iconName) mutationRecord.target.setAttribute('data-icon', iconName);
          nodeCallback(mutationRecord.target, options.nodeCallback, options.pseudoElementsCallback);
          var var mo = new MUTATION_OBSERVER(function (objects) {
            if (disabled) return;
            toArray(objects).forEach(function (mutationRecord) {
              if (mutationRecord.type === 'childList' && mutationRecord.addedNodes.length > 0 &&
                  !isWatched(mutationRecord.addedNodes[0])) {
                if (config$1.searchPseudoElements) {
                  pseudoElementsCallback(mutationRecord.target, options.nodeCallback);
                }

                treeCallback(mutationRecord.target);
              }

              if (mutationRecord.type === 'attributes' &&
                  mutationRecord.target.parentNode &&
                  config$1.searchPseudoElements) {
                pseudoElementsCallback(mutationRecord.target.parentNode);
              }

            });
          });
          var nodeCallback = options.nodeCallback, pseudoElementsCallback = options.pseudoElementsCallback;
        }
      }
    });
  });

  if (!IS_DOM) return;

  mo.observe(DOCUMENT.getElementsByTagName('body')[0], {
    childList: true, attributes: true, characterData: true, subtree: true
  });

  var getTransformString = function getTransformString(transformString) {
    var transform = {
      size: 16,
      x: 0,
      y: 0,
      flipX: false,
      flipY: false,
      rotate: 0
    };

    transformString = function parseTransformString(transformString) {
      var var_transform = {
        size: 16,
        x: 0,
        y: 0,
        flipX: false,
        flipY: false,
        rotate: 0
      }
    };
arguments[_key];

      var additions = definitions.reduce(this._pullDefinitions, {});

      var normalized = definition.prefix && definition.iconName &&
      definition.icon ? { 0: definition } : definition;

      Object.keys(arguments).forEach(function (key) {
        _this.definitions[key] = _extends({}, _this.definitions[key] || {});
        _this.definitions[key].icon = definition.icon;
        define(key, additions[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, definitions) {
      var normalized = definition.prefix && definition.iconName &&
      definition.icon ? { 0: definition } : definition;

      Object.keys(normalized).forEach(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] = icon;
      });

      return Library;
    }
  });

  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.html;
    }
  });

  Object.defineProperty(val, 'nodes', {
    get: function get() {
      return val.abstract.map(function (a) {
        return a.html;
      });
    }
  });

  Object.defineProperty(val, 'properties', {
    get: function get() {
      return val.properties;
    }
  });

  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 ? maybeIconDefinition : findIconDefinition(maybeIconDefinition || {});

    var mask = params.mask;

    if (mask) {
      mask = (mask || {}).icon ? mask : findIconDefinition(mask || {});
    }

    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$node = params.node === undefined ? DOCUMENT : _params$node,
          node = document.createElement(_params$node),
          _params$callback = params.callback === undefined ? function () {} : _params$callback;

      if (config.searchPseudoElements) {
        searchPseudoElements(node);
      }

      onTree(node, callback);
    }
  },

  css: css,

  insertCss: function insertCss() {
    insertCss(css());
  }
};

var parse = {
  transform: function transform(transformString) {
    return parseTransformString(transformString);
  }
};

var icon = resolveIcons(function (iconDefinition) {

  var _params$transform = params.transform,
      transform = _params$transform == undefined ? null : _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;

  if (!iconDefinition) return;

  var var = iconDefinition
  var iconName = iconDefinition.iconName;
  var icon = iconDefinition.icon;
  var node = iconDefinition.node;
  var attributes = iconDefinition.attributes;
  var styles = iconDefinition.styles;

  if (config$1.autoA11y) {
    if (title) {
      attributes['aria-labelledby'] = config$1.replacementClass + '-' + nextUniqueId();
    } else {
      attributes['aria-hidden'] = 'true';
    }
  }

  var icon = prepIcon(icon);
  var mask = prepIcon(mask);
  var iconDefinition = {
    found: true,
    width: null,
    height: null,
    icon: { tag: 'path', attributes: {
      fill: 'currentColor', d: transform
    } }
  };

  var node = DOCUMENT.createElement('div');
  node.innerHTML = icon.html;
  return node.children;
};
hit in some environments.

if (typeof value === 'string') {
  return value;
}

if (isArray(value)) {
  return arrayMap(value, baseToString) + '';
}

var Map = require('./_Map'),
    MapCache = require('./_MapCache');

/**
 * Creates an array cache object to store unique values.
 * @private
 * @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) {
    //...
Add methods to `SetCache`:

```javascript
this.add(values[index]);
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.push = function() {
  this.add(values[index]);
};
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.add(values[index]);
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.push = function() {
  this.add(values[index]);
};
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.add(values[index]);
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.push = function() {
  this.add(values[index]);
};
```

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SetCache.prototype.add(values[index]);
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.push = function() {
  this.add(values[index]);
};
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.add(values[index]);
```

Add methods to `SetCache`:

```javascript
SetCache.prototype.push = function() {
  this.add(values[index]);
};
```
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// resolves . and .. elements in a path array with directory names there
// must be no slashes, empty elements, or device names (c:\) in
// the array
// (so also no leading and trailing slashes - it does not distinguish
// relative and absolute
paths)

function normalizeArray(parts, allowAboveRoot) {
  // if the path tries to go above the root, `up` ends up > 0
  var up = 0;
  for (var i = parts.length - 1; i >= 0; i--) {
    var last = parts[i];
    if (last === '.') {
      parts.splice(i, 1);
    } else if (last === '..') {
      parts.splice(i, 1);
      up++;
    } else if (up) {
      parts.splice(i, 1);
      up--;
    }
  }

  // if the path is allowed to go above the root, restore leading ..
  if (allowAboveRoot) {
    for (; up--; up) {
      parts.unshift('..');
    }
  }

  return parts;
}

// path.resolve(
// [from ...], to)
// posix version
exports.resolve = function() {
  var resolvedPath = '',
      resolvedAbsolute = false;

  for (var i = arguments.length - 1; i >= -1
      && !resolvedAbsolute; i--) {
    var path = (i >= 0) ? arguments[i] : process.cwd();

    // Skip empty and invalid entries
    if (typeof path !== 'string') {
      throw new TypeError('Arguments to path.resolve must be strings');
    } else if (!path) {
      continue;
    }

    resolvedPath = path + '/' + resolvedPath;
    resolvedAbsolute = path.charAt(0) === '/';
  }

  // At this point the path should be resolved to a full absolute path, but
  // handle relative paths to be safe (might happen when process.cwd() fails)

  // Normalize the path
  resolvedPath = normalizeArray(filter(resolvedPath.split('/'), function(p) {
    return !!p;
  }), !resolvedAbsolute).join('/');

  return ((resolvedAbsolute ? '/' : '') + resolvedPath) || '.';
};

// path.normalize(path)
// posix version
exports.normalize = function(path) {
  var isAbsolute = exports.isAbsolute(path),
      trailingSlash = substr(path, -1) === '/';

  // Normalize the path
  path = normalizeArray(filter(path.split('/'), function(p) {
    return !!p;
  }), !isAbsolute).join('/');

  if (!path && !isAbsolute) {
    path = '.';
  }
  if (path && trailingSlash) {
    path += '/';
  }

  return (isAbsolute ? '/' : '') + path;
};

// path.relative(from, to)
// posix version
exports.relative = function(from, to) {
  from = exports.resolve(from).substr(1);
  to = exports.resolve(to).substr(1);

  function trim(arr) {
    var start = 0;
    for (; start < arr.length; start++) {
      if (arr[start] === '') break;
    }
    var start = arr.length - 1;
    for (; end > 0; end--) {
      if (arr[end] === '') break;
    }
    if (start > end) return [];
    return arr.slice(start, end - start + 1);
  }

  var fromParts = trim(from.split('/'));
  var toParts = trim(to.split('/'));

  var fromLength = 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(fromParts[i]);
  }
  outputParts = outputParts.concat(toParts.slice(samePartsLength));

  return outputParts.join('/');
};

// String.prototype.substr - negative index don't work in IE8

var splitPathRe = /
/^\/(?:[\\/:\s\S]*?)(?:\.[\s\S]*|)?(?:\.[\s\S]*)$/;
var splitPath = function(filename) {
  return splitPathRe.exec(filename).slice(1);
};

// path.dirname(path)
// posix version
exports.dirname = function(path) {
  var result = splitPath(path),
      root = result[0],
      dir = result[1];

  if (!dir) { // No dirname
    return root;
  }

  // If it has a dirname, strip trailing slash
  dir = dir.substr(0, dir.length - 1);

  return root + dir;
};

// path.basename(path)
// posix version
exports.basename = function(path, ext) {
  var result = splitPath(path),
      root = result[0],
      dir = result[1];

  if (!dir) { // No dirname
    return root;
  }

  // strip trailing slash
  dir = dir.substr(0, dir.length - 1);

  return root + dir;
};
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',
        'toString',
        'valueOf'
    };

    // IE 8- don't enum bug keys
    module.exports = {
        'constructor',
        'hasOwnProperty',
        'isPrototypeOf',
        'toLocaleString',
        'toString',
        'valueOf'
    };

    var hashClear = require('./_hashClear'),
        hashDelete = require('./_hashDelete'),
        hashGet = require('./_hashGet'),
        hashHas = require('./_hashHas'),
        hashSet = require('./_hashSet');

    var hash = {
        *fn: 
        *fn * @private
        *fn * @constructor
        *fn * @param {Array} [entries] The key-value pairs to cache.

        *fn *function Hash(entries) {
            var index = -1,
                length = entries.length || 0;

            while (++index < length) {
                var entry = entries[index];
                this.set(entry[0], entry[1]);
            }

            return this;
        }

        *fn *function get(key) {
            return this.has(key) ? this.get(key) : undefined;
        }

        *fn *function has(key) {
            return this.has(key) ? true : false;
        }

        *fn *function set(key, value) {
            return this.set(key, value) ? true : false;
        }

        *fn *function delete(key) {
            return this.delete(key) ? true : false;
        }

        *fn *function clear() {
            this.length = 0;
            this.size = 0;
        }

        *fn *function keys() {
            var keys = this.__keys || (this.__keys = []);
            this.__hash = undefined;
            return keys;
        }

        *fn *function values() {
            var values = this.__values || (this.__values = []);
            this.__hash = undefined;
            return values;
        }

        *fn *function entries() {
            var entries = this.__entries || (this.__entries = []);
            this.__hash = undefined;
            return entries;
        }

        *fn *function __data() {
            return this.__data || (this.__data = {});
        }

        *fn *function size() {
            return this.__hash ? this.__hash.size : 0;
        };

        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`. 
     * @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 || !hasFunc(object, key)) {
                break;
            }
            object = object[key];
        }

        if (result && isLength(object.length) && isIndex(key, object.length) &&
            (isArray(object) || isArguments(object))) {
            return true;
        }

        return false;
    }

    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.
     * @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 map cache key.
     * The `func` function is invoked with the `this` binding of the memoized
     * function. Any `_.create` metas are used by the `_memoize.Cache` constructor
     * with one whose instances implement the 'Map' interface. The
     * `func` function is invoked with the `this` binding of the memoized
     * function. Any `_.create` metas are used by the `_memoize.Cache` constructor
     * with one whose instances implement the 'Map' interface.
     * @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 || (memoized.cache = new (MapCache || MapCache));

            if (cache.has(key)) {
                return cache.get(key);
            }

            var result = func.apply(this, args);

            if (func && (typeof func == 'function')) {
                throw new TypeError(FUNC_ERROR_TEXT);
            }

            return result;
        }

        memoized.cache = new (MapCache || MapCache);

        return memoized;
    }

    module.exports = memoize;

    'use strict';
    Object.defineProperty(exports, '__esModule', { value: true });
    var prefix = 'fas';
    var iconName = 'times';
    var width = 352;
    var height = 512;
    var ligatures = [];
    var unicode = 'f00d';
    var svgPathData =
function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}

module.exports = stackClear;

/**!
 * @fileOverview Kickass library to create and place poppers near their reference elements.
 * @version 1.14.5
 * @license
 * Copyright (c) 2016 Federico Zivolo and contributors
 * Permission is hereby granted, free of charge, to any person obtaining a copy
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 * TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
 * THE USE OR OTHER DEALINGS IN THE SOFTWARE.
 */

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 () {
      called = false;
      fn();
    });
  };
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
        fn();
      }, timeoutDuration);
    }
  };
}

var supportsMicroTasks = isBrowser && window.Promise;

/**
 * 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]';
}

/**
 * Get CSS 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 [];
  }
  // NOTE: 1 DOM access here
  var window = element.ownerDocument.defaultView;
  var css = window.getComputedStyle(element, null);
  return property ? css[property] : css;
}

/**
 * Returns the parentNode or the host of the element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function getParentNode(element) {
  if (element.nodeName === 'HTML') {
    return element;
  }
  return element.parentNode || element.host;
}

/**
 * Returns the scrolling parent of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} scroll parent
 */
function getScrollParent(element) {
  // Return body, `getScroll` will take care to get the correct 'scrollTop' from it
  if (element) {
    return element.ownerDocument.body;
  }
  if (document.documentElement) {
    return document.documentElement; // case 'BODY'
  }
  return element.ownerDocument.body; // case '#document'
}

// Firefox want us to check `-' and `-' variations as well

var _getComputedStyle = getComputedStyle;

_getComputedStyle = function getComputedStyle(element, /* options */) {
  return _getComputedStyle.apply(window, arguments); // emulate IE behavior
};
function isIE(version) {
  if (version === 11) {
    return isIE11;
  }
  if (version === 10) {
    return isIE10;
  }
  return isIE11 || isIE10;
}

/**
 * Returns the offset parent of the given element
 * @returns {Boolean} isIE
 */
function isIE(element) {
  return document.documentElement
}
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')]) : 0);
}

function getWindowSizes(document) {
  var body = document.body;
  var html = document.documentElement;
  var computedStyle = isIE(10) && getComputedStyle(html);

  return {
    height: getSize('Height', body, html, computedStyle),
    width: getSize('Width', body, html, computedStyle)
  };
}

var classCallCheck = function (instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError("Cannot call a class as a function");
  }
};

var defineProperties = function (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);
  }
};

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;
};

/**
 * Given element offsets, generate an output similar to getBoundingClientRect
 * @method
 * @memberof Popper.Utils
 * @argument {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 = {};

  // IE10 10 FIX: Please, don't ask, the element isn't
  // considered in DOM in some circumstances... This isn't reproducible in IE10 compatibility
  // mode of IE11
  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 {
      var rect = element.getBoundingClientRect();
      rect.top = element.offsetTop;
      rect.left = element.offsetLeft;
      rect.bottom = element.offsetHeight;
      rect.right = element.offsetWidth;
    }
  } catch (e) {}

  var result = {
    left: rect.left,
    top: rect.top,
    width: rect.right - rect.left,
    height: rect.bottom - rect.top
  };

  // subtract scroll bar size from sizes
  var sizes = element.nodeName === 'HTML' ? getWindowSizes(element.ownerDocument) : {};
  var width = sizes.width;
  var height = sizes.height;

  result.right = rect.right - sizes.width;
  result.left = rect.left - sizes.width;
  result.top = rect.top - sizes.height;
  result.bottom = rect.bottom - sizes.height;

  // if an hypothetical scroll bar is detected, we must be sure it's not a 'border'
  // we make this check conditional for performance reasons
  if (isScrollBar(sizes.width) || isScrollBar(sizes.height)) {
    result.right = rect.right;
    result.left = rect.left;
    result.top = rect.top;
    result.bottom = rect.bottom;
    result.width = rect.right - rect.left;
    result.height = rect.bottom - rect.top;
  }

  return result;
}
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 && !fixedPosition) {
    parentRect.top = parseFloat(styles.marginTop, 10);
    var marginLeft = parseFloat(styles.marginLeft, 10);
  } 
  offsets.top -= borderTopWidth - marginTop;
  offsets.left -= borderLeftWidth - marginLeft;
  offsets.right -= borderLeftWidth - marginRight;
  offsets.bottom -= borderTopWidth - marginRight;
  // 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') {
    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 offsets = {
    top: scrollTop - relativeOffset.top + relativeOffset.marginTop,
    left: scrollLeft - relativeOffset.left + relativeOffset.marginLeft,
    width: width,
    height: height
  };
  return getClientRect(offsets);
}

/**
 * Check if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} customContainer
 * @returns {Boolean} answer to "isFixed?"
 */
function isFixed(element) {
  if (element.nodeName === 'BODY' || element.nodeName === 'HTML') {
    return false;
  }
  return getStyleComputedProperty(element, 'position') === 'fixed';
}

/**
 * Finds the first parent of an element that has a transformed property defined
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {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()) {
    return document.documentElement;
  }
  var el = element.parentElement;
  while (el && getStyleComputedProperty(el, 'transform') === 'none') {
    el = el.parentElement;
  }
  return el || document.documentElement;
}

/**
 * Computed the boundaries limits and return them
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} popper
 * @param {HTMLElement} reference
 * @param {number} padding
 * @param {HTMLElement} boundariesElement
 * @param {Boolean} fixedPosition - Is in fixed position mode
 * @returns {Object} Coordinates of the boundaries
 */

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 {
    // Handle other cases based on DOM element used as boundaries
    var boundariesNode = void 0;
    if (boundariesElement === 'scrollParent') {
      boundariesNode = getScrollParent(getParentNode(reference));
    } else if (boundariesElement === window) {
      boundariesNode = popper.ownerDocument.documentElement;
    } else if (boundariesElement === boundariesElement) {
      var offsets = getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition);
    } 
  } // In case of HTML, we need a different computation if (boundariesElement.nodeName === 'HTML') &

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 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 >= 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 popper
 * @method
 * @memberof Popper.Utils
 * @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 windowSizes = getWindowSizes(popper.ownerDocument),
      height = getWindowSizes.height,
      width = getWindowSizes.width;

  // Add paddings
  padding = padding || 0;

  var isPaddingNumber = typeof padding === 'number';

  boundaries.top += offsets.top - offsets.marginTop;
  boundaries.bottom = height + offsets.top + offsets.marginBottom;
  boundaries.right += offsets.right - offsets.marginRight;
  boundaries.left += offsets.left - offsets.marginLeft;

  var _getWindowSizes = getWindowSizes(popper.ownerDocument),
      height = _getWindowSizes.height,
      width = _getWindowSizes.width;

  boundaries.top += offsets.top - offsets.marginTop;
  boundaries.bottom = height + offsets.top;
  boundaries.right += offsets.right - offsets.marginRight;
  boundaries.left += offsets.left - offsets.marginLeft;

  else { // for all the other DOM elements,
    this one is good
  }

  // for all the other DOM elements,
  this one is good

  return boundaries;
}

// Add paddings
var padding = padding || 0;

var isPaddingNumber = typeof padding === 'number';

boundaries.left += isPaddingNumber ? padding : padding.left || 0;

boundaries.right -= isPaddingNumber ? padding : padding.right || 0;

boundaries.top += isPaddingNumber ? padding : padding.top || 0;

boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0;

return boundaries;
}

/**
 * Get reference offsets
 * @method
 * @memberof Popper.Utils
 * @param {Object} refRect - the reference element
 * @param {Element} popper - the popper element
 * @param {Element} reference - the reference element (the popper will be relative to this)
 * @param {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getReferenceOffsets(state, popper, reference) {

  var commonOffsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

  var rect = getOffsetRectRelativeToArbitraryNode(reference, commonOffsetParent, fixedPosition);

  return rect;
}

/**
 * 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
 * @returns {String} flipped placement
 */
function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', bottom: 'top', top: 'bottom' };

  return placement.split('-')[1].replace(hash, function (matched) {
    return hash[matched];
  });
}

/**
 * Get the reference element
 * @method
 * @memberof Popper.Utils
 * @param {Object} data - The data object generated by update method
 * @param {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getReferenceElement(data) {
  var popper = data.popper;
  var popperRect = getBoundingClientRect(popper);

  var computedPlacement = getOppositePlacement(data.placement);

  var rect = getOuterSizes(popperRect);

  return rect;
}

/**
 * Get the position of the given element (offset size + margins)
 * @method
 * @memberof Popper.Utils
 * @param {Object} data - The data object generated by update method
 * @param {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getBoundingClientRect(element) {
  var rect = element.getBoundingClientRect();

  return rect;
}

/**
 * Get the window sizes
 * @method
 * @memberof Popper.Utils
 * @param {Object} data - The data object generated by update method
 * @param {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getWindowSizes(data) {
  var defaultView = data ? data.defaultView : data.ownerDocument.defaultView;

  return defaultView;
getOuterSizes(popper);\n\n // Add position, width and height to our offsets object\n var popperOffsets = {\n
width: popperRect.width,\n height: popperRect.height\n };\n\n // depending by the popper placement we have to
compute its offsets slightly differently\n var isHoriz = ['right', 'left'].indexOf(placement) !== -1;\n var mainSide =
isHoriz ? 'top' : 'left';\n var secondarySide = isHoriz ? 'left' : 'top';\n var measurement = isHoriz ? 'height' : 'width';\n
var secondaryMeasurement = !isHoriz ? 'height' : 'width';\n\n popperOffsets[mainSide] =
referenceOffsets[mainSide] + referenceOffsets[measurement] / 2 - popperRect[measurement] / 2;\n if (placement
referenceOffsets[getOppositePlacement(secondarySide)];\n }\n\n return popperOffsets;\n}\n\n/**\n * Mimics the
`find` method of Array\n * @method\n * @memberof Popper.Utils\n * @argument {Array} arr\n * @argument
prop\n * @argument value\n * @returns index or -1\n */\nfunction find(arr, check) {\n // use native find if
supported\n if (Array.prototype.find) {\n return arr.find(check);\n }\n\n // use `filter` to obtain the same behavior
of `find`\n return arr.filter(check)[0];\n}\n\n/**\n * Return the index of the matching object\n * @method\n *
@memberof Popper.Utils\n * @argument {Array} arr\n * @argument prop\n * @argument value\n * @returns
index or -1\n */\nfunction findIndex(arr, prop, value) {\n // use native findIndex if supported\n if
(Array.prototype.findIndex) {\n return arr.findIndex(function (cur) {\n
return cur[prop] === value;\n });\n
}\n\n // use `find` + `indexOf` if `findIndex` isn't supported\n var match = find(arr, function (obj) {\n return
obj[prop] === value;\n });\n return arr.indexOf(match);\n}\n\n/**\n * Loop trough the list of modifiers and run
them in order,\n * each of them will then edit the data object.\n * @method\n * @memberof Popper.Utils\n *
@param {dataObject} data\n * @param {Array} modifiers\n * @param {String} ends - Optional modifier name
used as stopper\n * @returns {dataObject}\n */\nfunction runModifiers(modifiers, data, ends) {\n var
modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));\n\n
modifiersToRun.forEach(function (modifier) {\n if (modifier['function']) {\n
// eslint-disable-line dot-notation\n
console.warn('`modifier.function` is deprecated, use `modifier.fn`!');\n }\n var fn = modifier['function'] ||
modifier.fn; // eslint-disable-line dot-notation\n if (modifier.enabled && isFunction(fn)) {\n
// Add properties
to offsets to make them a complete clientRect object\n
// we do this before each modifier to make sure the
previous one doesn't\n
// mess with these values\n
data.offsets.popper = getClientRect(data.offsets.popper);\n
data.offsets.reference = getClientRect(data.offsets.reference);\n\n
data = fn(data, modifier);\n }\n });\n\n
return data;\n}\n\n/**\n * Updates the position of the popper, computing the new offsets and applying\n * the new
style.<br />\n * Prefer `scheduleUpdate` over `update` because of performance reasons.\n * @method\n *
@memberof Popper\n */\nfunction update() {\n // if popper is destroyed, don't perform any further update\n if
(this.state.isDestroyed) {\n return;\n }\n\n var data = {\n instance: this,\n styles: {},\n arrowStyles: {},\n
attributes: {},\n flipped: false,\n offsets: {}\n };\n\n // compute reference element offsets\n
data.offsets.reference = getReferenceOffsets(this.state, this.popper, this.reference, this.options.positionFixed);\n\n //
compute auto placement, store placement inside the data object,\n // modifiers will be able to edit `placement` if
needed\n // and refer to originalPlacement to know the original value\n data.placement =
computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.reference,
this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);\n\n // store the computed
placement inside `originalPlacement`\n data.originalPlacement = data.placement;\n\n data.positionFixed =
this.options.positionFixed;\n\n // compute the popper offsets\n data.offsets.popper = getPopperOffsets(this.popper,
data.offsets.reference, data.placement);\n\n data.offsets.popper.position = this.options.positionFixed ? 'fixed' :
'absolute';\n\n // run the modifiers\n data = runModifiers(this.modifiers, data);\n\n // the first `update` will call
`onCreate` callback\n // the other ones will call `onUpdate` callback\n if (!this.state.isCreated) {\n
this.state.isCreated = true;\n this.options.onCreate(data);\n } else {\n this.options.onUpdate(data);\n
}\n}\n\n/**\n * Helper used to know if the given modifier is enabled.\n * @method\n * @memberof Popper.Utils\n
* @returns {Boolean}\n */\nfunction isModifierEnabled(modifiers, modifierName) {\n return
modifiers.some(function (_ref) {\n var name = _ref.name,\n
enabled = _ref.enabled;\n return enabled &&
name === modifierName;\n });\n}\n\n/**\n * Get the prefixed supported property name\n * @method\n *

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@memberof Popper.Utils
* @argument {String} property (camelCase)\n* @returns {String} prefixed property (camelCase or PascalCase, depending on the vendor prefix)\n*\n*\nvar prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];\nvar upperProp = property.charAt(0).toUpperCase().toLowerCase();\nvar i = 0;\nvar prefix = prefixes[i++];\nvar toCheck = prefix ? '' + prefix + upperProp : property;\nif (typeof document.body.style[toCheck] !== 'undefined') {\n  return toCheck;\n}\n\n*\n* Destroys the popper.\n* @method\n* @memberof Popper\n\nfunction destroy() {\n  this.state.isDestroyed = true;\n  // touch DOM only if `applyStyle` modifier is enabled\n  if (isModifierEnabled(this.modifiers, 'applyStyle')) {\n    this.popper.removeAttribute('x-placement');\n    this.popper.style.position = '';\n    this.popper.style.top = '';\n    this.popper.style.left = '';\n    this.popper.style.right = '';\n    this.popper.style.bottom = '';\n    this.popper.style.willChange = '';\n  }\n  return this;
}\n\nfunction getWindow(element) {\n  var ownerDocument = element.ownerDocument;\n  return ownerDocument ? ownerDocument.defaultView : window;\n}\n\nfunction attachToScrollParents(ref, element, event, callback, scrollParents) {\n  var isBody = ref.nodeName === 'BODY';\n  var target = isBody ? ref.ownerDocument.defaultView : ref;\n  target.addEventListener(event, callback, { passive: true });\n  if (!isBody) {\n    attachToScrollParents(getScrollParent(ref.parentNode), event, callback, [ ref ];}\n  }\n  scrollParents.push(target);
}\n\nfunction setupEventListeners(reference, options, state, updateBound) {\n  // Resize event listener on window\n  state.updateBound = updateBound;\n  getWindow(reference).addEventListener('resize', state.updateBound, { passive: true });\n  // Scroll event listener on scroll parents\n  var scrollElement = getScrollParent(reference);\n  attachToScrollParents(scrollElement, 'scroll', state.updateBound, state.scrollParents);\n  state.scrollElement = scrollElement;\n  state.scrollEnabled = true;\n  return state;\n}\n\nfunction isNumeric(n) {\n  return n !== '' && !isNaN(parseFloat(n)) && isFinite(n);\n}\n\nfunction setStyles(element, styles) {\n  Object.keys(styles).forEach(function (prop) {\n    var unit = '';\n    // add unit if the value is numeric and is one of the following\n    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 && isNumeric(styles[prop])) {\n      unit = 'px';\n    }\n    element.style[prop] = styles[prop] + unit;\n  });\n}\n\nfunction detachEventListener(ref, event, callback) {\n  var scrollParents = ref.scrollParent;\n  if (scrollParents) {\n    scrollParents.removeEventListener(event, callback);\n  }\n}\n\nfunction enableEventListeners() {\n  if (!this.state.eventsEnabled) {\n    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);\n    this.state.scrollEnabled = true;\n    return state;\n    this.scheduleUpdate = requestAnimationFrame(this.scheduleUpdate());\n  }\n}\n\nfunction disableEventListeners() {\n  if (this.state.eventsEnabled) {\n    cancelAnimationFrame(this.scheduleUpdate());\n    this.state = removeEventListeners(this.reference, this.options, this.state, this.scheduleUpdate());\n    this.state.scrollEnabled = false;\n  }\n}\n\nfunction detachScrollListeners(ref, event) {\n  var scrollParents = ref.scrollParent;\n  if (scrollParents) {\n    scrollParents.removeEventListener(event, this.update);\n  }\n}\n\nfunction getScrollParent(el) {\n  return el.parentElement;\n}\n\nfunction getOwnerDocument(element) {\n  return element.ownerDocument;\n}\n\nfunction getWindow() {\n  return window;\n}\n\nfunction cancelAnimationFrame(id) {\n  if (typeof cancelAnimationFrame !== 'undefined') {\n    cancelAnimationFrame(id);\n  } else {\n    if (typeof id === 'string') {\n      id = id+'0';\n    }\n    for (var i in cancelAnimationFrame) {\n      if (cancelAnimationFrame[i] === id) {\n        cancelAnimationFrame[i] = id;\n      }\n    }\n  }\n}\n\nfunction isFunction(val) {\n  return typeof val === 'function';\n}\n\nfunction isElement(node) {\n  return node && node.nodeType === 1;\n}\n\nfunction getScrollParent(parent) {\n  if (parent) {\n    return parent;\n  }\n  return getWindow().document.body;\n}\n\nfunction getBoundingClientRect(node) {\n  return node.getBoundingClientRect();\n}\n\nfunction getBoundingClientRectObject(node) {\n  return node.getBoundingClientRect();\n}\n\nfunction setRect(rect, node) {\n  node.style.left = rect.left + 'px';\n  node.style.top = rect.top + 'px';\n  node.style.width = rect.width + 'px';\n  node.style.height = rect.height + 'px';\n  return node;\n}\n\nfunction getStyleComputedValue(node, property) {\n  return window.getComputedStyle(node).getPropertyValue(property);\n}\n\nfunction getWindow() {\n  return window;\n}\n\nfunction setStyle(node, property, value) {\n  node.style[property] = value;\n  return node;\n}\n\nfunction setStyles(node, styles) {\n  Object.keys(styles).forEach(function (prop) {\n    node.style[prop] = styles[prop];\n  });\n  return node;\n}\n\nfunction getScrollParent(node) {\n  return node;\n}\n\nfunction getWindow() {\n  return window;\n}\n\nfunction isFunction(val) {\n  return typeof val === 'function';\n}\n\nfunction isElement(node) {\n  return node && node.nodeType === 1;\n}\n\nfunction getScrollParent(parent) {\n  if (parent) {\n    return parent;\n  }\n  return getWindow().document.body;\n}\n\nfunction getBoundingClientRect(node) {\n  return node.getBoundingClientRect();\n}\n\nfunction getBoundingClientRectObject(node) {\n  return node.getBoundingClientRect();\n}\n\nfunction setRect(rect, node) {\n  node.style.left = rect.left + 'px';\n  node.style.top = rect.top + 'px';\n  node.style.width = rect.width + 'px';\n  node.style.height = rect.height + 'px';\n  return node;\n}\n\nfunction getStyleComputedValue(node, property) {\n  return window.getComputedStyle(node).getPropertyValue(property);\n}\n\nfunction getWindow() {\n  return window;\n}\n\nfunction setStyle(node, property, value) {\n  node.style[property] = value;\n  return node;\n}\n\nfunction setStyles(node, styles) {\n  Object.keys(styles).forEach(function (prop) {\n    node.style[prop] = styles[prop];\n  });\n  return node;\n}
styles
 * Object with a list of properties and values which will be applied to the element

 * function

 * setAttributes(element, attributes) { return Object.keys(attributes).forEach(function(prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      element.removeAttribute(prop);
    }
  });

 * Object - The data object generated by `update` method

 * function

 * setAttributes(element, attributes) { return Object.keys(attributes).forEach(function(prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      element.removeAttribute(prop);
    }
  });

 * function

 * applyStyle(data) { return data;

 * function

 * applyStyleOnLoad(reference, popper, options, modifierOptions, state) { return options;

 * function

 * computeStyle(data, options) { return styles;

 * function
// 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 = -offsetParentRect.height + offsets.bottom;
}
if (sideB === 'right') {
  if (offsetParent.nodeName === 'HTML') {
    left = -offsetParent.clientHeight + offsets.right;
  } else {
    left = offsets.left;
  }
}
if (gpuAcceleration && prefixedProperty) {
  styles[prefixedProperty] = 'translate3d(' + left + 'px, ' + top + 'px, 0);
} else {
  styles.willChange = 'transform';
}
else {
  top = offsets.top;
}
if (sideB === 'right') {
  if (offsetParent.nodeName === 'HTML') {
    left = -offsetParent.clientWidth + offsets.right;
  } else {
    left = offsets.left;
  }
}
if (arrowElement === null) {
  return {
    data
  };
}

/**
 * Helper used to know if the given modifier depends from another one.<br />
 * It checks if the needed modifier is listed and enabled.
 * @method
 * @memberof Popper.Utils
 * @param {Array} modifiers - list of modifiers
 * @param {String} requestingName - name of requesting modifier
 * @param {String} requestedName - name of requested modifier
 * @returns {Boolean}
 */
function isModifierRequired(modifiers, requestingName, requestedName) {
  var requesting = find(modifiers, function (_ref) {
    var name = _ref.name;
    return name === requestingName;
  });
  var isRequired = !!requesting && modifiers.some(function (modifier) {
    return modifier.name === requestedName && modifier.enabled && modifier.order < requesting.order;
  });
  if (!isRequired) {
    var _requesting = '`' + requestingName + '`';
    var requested = '`' + requestedName + '`';
    console.warn(requested + ' modifier is required by ' + _requesting + ' modifier in order to work, be sure to include it before ' + _requesting + '!');
  }
  return isRequired;
}

/**
 * @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 arrow(data, options) {
  var _data$offsets$arrow;

  // arrow depends on keepTogether in order to work
  if (!isModifierRequired(data.instance.modifiers, 'arrow', 'keepTogether')) {
    return data;
  }

  var arrowElement = options.element;

  // if arrowElement is a string, suppose it's a CSS selector
  if (typeof arrowElement === 'string') {
    arrowElement = data.instance.popper.querySelector(arrowElement);
    // if arrowElement is not found, don't run the modifier
    if (!arrowElement) {
      return data;
    }
  } else {
    // if the arrowElement isn't a query selector we must check that the
    // provided DOM node is child of its popper node
    if (!data.instance.popper.contains(arrowElement)) {
      console.warn('WARNING: `arrow.element` must be child of its popper element!');
      return data;
    }
  }

  var placement = data.placement.split('-')[0];
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var isVertical = ['left', 'right'].indexOf(placement) !== -1;
  var len = isVertical ? 'height' : 'width';
  var sideCapitalized = isVertical ? 'Top' : 'Left';
  var altSide = isVertical ? 'right' : 'bottom';
  var arrowElementSize = 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[opSide])
  // bottom/right side if (reference[side] + arrowElementSize > popper[opSide])

  // compute center of the popper
  var center = reference[side] + reference[len] / 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;

  // prevent arrowElement
from being placed not contiguously to its popper
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; }/**
 * List of accepted placements to use as values of the ‘placement’
 * option.<br />
 * 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’ on top of reference, right aligned side
 * -’bottom’ (on bottom, centered) ‘-auto’ (on the side with more space available, alignment depends by placement)
 * @type {Array} @enum {String} @readonly @method placements @memberof Popper
 */
’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 counterclockwise
 * @returns {Array} placements including their variations
 */
function clockwise(placement) {
  var index = validPlacements.indexOf(placement);
  var arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
  return counter ? arr.reverse() : arr;
}

var BEHAVIORS = {
  FLIP: ‘flip’,
  CLOCKWISE: ‘clockwise’,
  COUNTERCLOCKWISE: ‘counterclockwise’
};

/**
 * The data object properly modified
 * @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’ modifier
  if (isModifierEnabled(data.instance.modifiers, ‘inner’))
    return data;

  var placement = data.placement.split(‘-’)[0];
  var variation = data.placement.split(‘-’)[1] || ‘’;

  switch (options.behavior) {
    case BEHAVIORS.FLIP:
      placement = getOppositePlacement(placement); variation = getOppositeVariation(variation);
      break;
    case BEHAVIORS.CLOCKWISE:
      placement = clockwise(placement);
      break;
    case BEHAVIORS.COUNTERCLOCKWISE:
      placement = counterclockwise(placement);
      break;
    default:
      if (placement !== ‘auto’)
        return data;

  } // seems like flip is trying to loop, probably there’s not
  // enough space on any of the flippable sides
  return data;
}

var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);

var placement = data.placement.split(‘-’)[0];
var placementOpposite = getOppositePlacement(placement);

var flipOrder = clockwise(placement);

var data = {
  placements: placements,
  validPlacements: validPlacements,
  placementsMap: placementsMap,
  getOppositePlacement: getOppositePlacement,
  getOppositeVariation: getOppositeVariation,
  flip: flip,
  clockwise: clockwise,
  counterclockwise: counterclockwise
};

// 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(refOffsets.right) > floor(popperOffsets.right) || placement === ‘top’ &&
  floor(refOffsets.top) > floor(popperOffsets.top); || placement === ‘bottom’ &&
  floor(refOffsets.bottom) < floor(popperOffsets.bottom); || var
  var overflowsLeft = floor(refOffsets.left) < floor(boundaries.left);

var var overflowsRight = floor(popperOffsets.right) > floor(boundaries.right);

var var overflowsTop = floor(popperOffsets.top) < floor(boundaries.top); || var
  var overflowsBottom = floor(popperOffsets.bottom) > floor(boundaries.bottom); || var
  var overflowsBoundaries =
placement === 'left' & & overflowsLeft || placement === 'right' & & overflowsRight || placement === 'top' & & overflowsTop || placement === 'bottom' & & overflowsBottom;

    // flip the variation if required
    var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
    var flippedVariation = !options.flipVariations & & (isVertical & & variation === 'start' & & overflowsLeft || isVertical & & variation === 'end' & & overflowsRight || isVertical & & variation === 'start' & & overflowsTop || isVertical & & variation === 'end' & & overflowsBottom);

    // this boolean to detect any flip loop
    data.flipped = true;
    if (overlapsRef || overflowsBoundaries || flippedVariation) {
      // this object contains 'position', we want to preserve it along with any additional property we may add in the future
      data.placement = placement + (variation ? '-' + variation : '');
      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 side = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'left' : 'top';
  var measurement = isVertical ? 'width' : 'height';
  var value;

  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}
 */
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 viewport
    var size = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
    value = toValue(str, measurement, popperOffsets, referenceOffsets);
    return value / size * size;
  } else {
    // if is an explicit pixel unit, we return just the value
    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
 * @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)
  var fragments = offset.split(/(/+|-)\d+/).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(fragments, function (frag) {
    return frag.search(/,/|\s/) !== -1;
  });

  // If divider is found, we divide the list of values
```javascript
and operands to divide
  // them by offset X and Y.

  var splitRegex = /\s*,\s*|\s+/;
  var ops = divider !== -1 ?
    // Most of
    // the units rely on the orientation of the popper
    // A
    // 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 === 0 && 
        \*legalOperand(b) \* == -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
 * @memberof Modifiers
 */
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.left += offsets[0];
    popper.top -= offsets[1];
  } else if (basePlacement === 'bottom') {
    popper.left += offsets[0];
    popper.top -= offsets[1];
  }

  data.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 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 to make this modifier completely useless and look like broken
  if (options.boundariesElement !== boundariesElement) {
    boundariesElement = getOffsetParent(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;
  var left = popperStyles.left;
  transform = popperStyles[transformProp];
  popperStyles.top = 
    transform = popperStyles[transformProp];
  return 
    transform = popperStyles[transformProp];
}
```

---

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function shift(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var shiftvariation = placement.split('-')[1];
  var data = data.offsets.popper = _extends({}, popper, shiftOffsets[shiftvariation]);
  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object
 * @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) {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide === true) {
      return data;
    }

    data.hide = true;
    data.attributes['x-out-of-boundaries'] = '';
  } else {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide === false) {
      return data;
    }

    data.hide = false;
    data.attributes['x-out-of-boundaries'] = false;
  }

  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object
 * @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 popper = _extends({}, popper, data.offsets.popper);
  var subtractLength = ['top', 'left'].indexOf(basePlacement) === -1;

  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
 * @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. You don't want to override the `order`, `fn` and `onLoad`
 * props. All the other properties are configurations that could be tweaked. 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.
latter is a deprecated method because it leads to confusion and will be removed in v2. <br />

Additionally, it accepts additions and subtractions between different units.<br />

Note that multiplications and divisions aren't supported.<br />

Valid examples are:<br />

- `10`<br />
- `10%`<br />
- `'10'`<br />
- `10%, 10\%`<br />
- `10 + 5vh`<br />
- `-50px + 5vh`<br />
- `5px - 6%`<br />

**NB:** If you desire to apply offsets to your poppers in a way that may make them overlap with their reference element, unfortunately, you will have to disable the `flip` modifier. You can read more on this at this [issue](https://github.com/FezVrasta/popper.js/issues/373).

We can say it has \`escaped the boundaries\` — or just \`escaped\`. <br />
In this case we need to decide whether the popper should either:<br />

- * `* detach from the reference and remain \`trapped\` in the boundaries, or<br />
- * - if it should ignore the boundary and \`escape\` with its reference<br />

When \`escapeWithReference\` is set to `true` and reference is completely outside the boundaries, the popper will overflow (or completely leave) the boundaries in order to remain attached to the edge of the reference. <br />

The popper will try to prevent overflow following these priorities by default:<br />

- then, it could overflow on the left and on top of the `boundariesElement` priority: `[left, right, top, bottom]`<br />
- amount of pixel used to define a minimum distance between the boundaries and the popper. This makes sure the popper always has a little padding between the edges of its container and the boundaries used by the modifier. Can be `scrollParent`, `window`, or `viewport` or any DOM element. <br />

Especially useful when the arrow isn't enabled and you want to ensure that it points to its reference element. <br />
It cares only about the first axis. You can still have poppers with margin between the popper and its reference element. <br />

This modifier is 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 many pixels of conjunction are needed. <br />

The modifier used to flip the popper's placement when it starts to overlap its reference element. Requires the `preventOverflow` modifier before it in order to work. <br />

This modifier will interrupt the current update cycle and will restart it if it detects the need to flip the placement. <br />

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).
The popper will flip if it hits the edges of the `boundariesElement`.

The element which will define the boundaries of the popper position.

The popper will never be placed outside of the defined boundaries.
(except if `keepTogether` is enabled)

Modifier used to make the popper flow toward the inner element.

By default, when this modifier is disabled, the popper will be placed outside of the reference element.

The popper will be placed 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

* @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

* @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 {ModifierFn} fn: 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: applyStyle

* @prop {number} order=900 - Index used to define the order of execution

order: 900,
`marginBottom`)\n * @property {Object} data.boundaries Offsets of the popper boundaries\n * @property {Object} data.offsets The measurements of popper, reference and arrow elements\n * @property {Object} data.offsets.popper `top`, `left`, `width`, `height` values\n * @property {Object} data.offsets.reference `top`, `left`, `width`, `height` values\n * @property {Object} data.offsets.arrow `top` and `left` offsets, only one of them will be different from\n * Default options provided to Popper.js constructor.<br />

* To override an option, simply pass an object with the same structure of the `options` object, as the 3rd argument. For example:\n
```javascript
var myOptions = {
  placement: 'top',
  positionFixed: true,
  eventsEnabled: false
};

new Popper(myRef, myPopper, myOptions);
```

* Set this to true if you want popper to position itself in `fixed` mode\n
```javascript
new Popper(myRef, myPopper, { positionFixed: true });
```

* Whether events (resize, scroll) are initially enabled.\n
```javascript
new Popper(myRef, myPopper, { eventsEnabled: true });
```

### Methods

- **update():**
  - fires the first update to position the popper when it is created.
  - Callback called when the popper is created.
  - By default, it is set to no-op.
  - Access Popper.js instance with `data.instance`.

- **scheduleUpdate():**
  - Async function that schedules an update.
  - By default, it is set to no-op.
  - Access Popper.js instance with `data.instance`.

- **destroy():**
  - Creates a new Popper.js instance.
  - By default, it is set to no-op.
  - Access Popper.js instance with `data.instance`.

### Options

- **placement:**
  - Popper’s placement.
  - `bottom`, `top`, `right`, `left`, `center`, `topCenter`, `topRight`, `topLeft`, `centerCenter`, `centerRight`, `centerLeft`, `bottomCenter`, `bottomRight`, `bottomLeft`.

- **positionFixed:**
  - Set this to true if you want popper to position itself in `fixed` mode.

- **eventsEnabled:**
  - Whether events (resize, scroll) are initially enabled.

### Events

- **onCreate:**
  - Callback called when the popper is created.
  - Access Popper.js instance with `data.instance`.

- **onUpdate:**
  - Callback called when the popper is updated.
  - Access Popper.js instance with `data.instance`.

### Methods

- **destroy():**
  - Destroys the popper.
  - By default, it is set to no-op.
  - Access Popper.js instance with `data.instance`.

### Utilities

- **isDestroy:**
  - Returns true if the popper is destroyed.

- **isCreated:**
  - Returns true if the popper is created.

- **scrollParents:**
  - Returns the scroll parents of the popper.

### Refactoring modifiers’ list

- **(Object => Array)**
  - Converts an object into an array.

- **Array => Object**
  - Converts an array into an object.

### Deep merge options

- **Object.keys.extend()**
  - Extends an object with properties from another object.

### Execute arbitrary code

- **function()**
  - Allows executing arbitrary code in the `onCreate()` method.

### Deep merge

- **Deep merge options modifier**
  - Merges two objects, keeping the properties from the first object unless they are overridden in the second object.

### Refactoring

- **Array => Object**
  - Converts an array into an object.

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  - Extends an object with properties from another object.

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### Deep merge

- **Deep merge options modifier**
  - Merges two objects, keeping the properties from the first object unless they are overridden in the second object.
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$$1() {
    return update.call(this);
  },
  { key: 'destroy', value: function destroy$$1() {
    return destroy.call(this);
  },
  { key: 'enableEventListeners', value: function enableEventListeners$$1() {
    return enableEventListeners.call(this);
  },
  { key: 'disableEventListeners', value: function disableEventListeners$$1() {
    return disableEventListeners.call(this);
  }
},

  // We can’t use class properties because they don’t get listed in the
  // class prototype and

  createClass(Popper, [
    { key: 'update',
      value: function update$$1() {
        return update.call(this);
      }
    },
    { key: 'destroy',
      value: function destroy$$1() {
        return destroy.call(this);
      }
    },
    { key: 'enableEventListeners',
      value: function enableEventListeners$$1() {
        return enableEventListeners.call(this);
      }
    },
    { key: 'disableEventListeners',
      value: function disableEventListeners$$1() {
        return disableEventListeners.call(this);
      }
    }
  ]); 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.<br />
 * You can use this method to position a popper relatively to a set of coordinates
 * in case you don’t have a DOM node to use as reference.<br />
 * 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;

/** Used to detect hot functions by number of calls within a span of milliseconds. */
var HOT_COUNT = 800,
    HOT_SPAN = 16;

/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeNow = Date.now;

/**
 * Creates a function that’ll short out and invoke `identity` instead
 * of `func` when it’s called `HOT_COUNT` or more times in `HOT_SPAN`
 * milliseconds. * @name HOT_COUNT
 * @type {number}
 * @default 800
 */

/**
 * Converts `value` to a string key if it’s not a string or symbol.
 * @private
 * @param {*} value
 * @returns {string|symbol}
 */
function toKey(value) {
  if (typeof value == 'string' || isSymbol(value)) {
    return value;
  }
  var result = (value + '');
  return (result == '0' && (1 / result) == -INFINITY) ? '-0' : result;
}

module.exports = toKey;

'"use strict";

var assign        = require('es5-ext/object/assign')
  , normalizeOpts = require('es5-ext/object/normalize-options')
  , isCallable    = require('es5-ext/object/is-callable')
  , contains      = require('es5-ext/string/#/contains')

  , d;

d = module.exports = function (dscr, value/*, options*/) {
  var c, e, w, options,
      desc;
  if ((arguments.length < 2) || (typeof dscr !== 'string')) {
    options = value;
    value = dscr;
    dscr = null;
  } else {
    options = arguments[2];
  }

  desc = { value: value, configurable: c, enumerable: e, writable: w }; return
};
assign(normalizeOptss(options), desc);

```javascript
function assign(normalizeOpts(options), desc) {
  options = options || {};
  if (isCallable(set)) {
    set = set || undefined;
  } else if (isCallable(get)) {
    get = get || undefined;
  } else if (isCallable(desc)) {
    desc = desc || undefined;
  }
  var options = normalizeOpts(options);
  if (options) {
    desc = assign(options, desc);
  }
  return desc;
}

var gs = function (dscr, get, set/*, options*/) {
  var c, e, options,
      desc;
  if (typeof dscr !== 'string') {
    options = set;
    set = get;
    get = dscr;
    dscr = null;
  } else if (isCallable(dscr)) {
    dscr = set;
    set = get;
    get = undefined;
  } else if (isCallable(set)) {
    set = get;
    get = undefined;
  } else if (isCallable(get)) {
    get = undefined;
  } else if (options) {
    options = options || {};
    var normalized = normalizeOptss(options);
    if (normalized) {
      desc = assign(normalized, desc);
    }
  }
  var trueOptions = whatever ? undefined : options;
  if (trueOptions) {
    options = assign(normalizeOptss(options), options);
  }
  return desc;
};
```

```javascript
var module.exports = function (it, Constructor, name, forbiddenField) {
  if (it != null) {
    return module.exports.call(this, it, Constructor, name, forbiddenField);
  } else {
    throw TypeError(name + ': incorrect invocation!');
  }
};
```

```javascript
var isArray = require('./isArray'),
    isSymbol = require('./isSymbol');

/** Used to match property names within property paths. */
var reIsDeepProp = /\.|\[(?:[\['"])(?:(?!\1)\w*|\\.)*?\1][\['"]]/,
    reIsPlainProp = /^\w*$/;

/** Checks if `value` is a property name and not a property path. */
function isKey(value, object) {
  if (isArray(value)) {
    return false;
  }
  var type = typeof value;
  if (type == 'number' || type == 'symbol' || type == 'boolean' ||
      value == null || isSymbol(value)) {
    return true;
  }
  return reIsPlainProp.test(value) || !reIsDeepProp.test(value) ||
    (object != null && value in Object(object));
}
```

```javascript
var keys  = require("../keys")
  , value = require("../valid-value")
  , max   = Math.max;

module.exports = function (dest, src /*, …srcn*/) {
  var error, i, length = max(arguments.length, 2),
      assign;
  dest = Object(value(dest));
  assign = function (key) {
    try {
      dest[key] = src[key];
    } catch (e)
      if (!error) error = e;
  }
  for (i = 1; i < length; ++i) {
    src = arguments[i];
    keys(src).forEach(assign);
  }
  if (error !== undefined) throw error;
  return dest;
};
```

```javascript
// 19.1.3.1 Object.assign(target, source)
var $export = require('./_export');

$export($export.S + $export.F, 'Object',

  { assign: require('./_object-assign') });
```

```javascript
var indexOf = String.prototype.indexOf;

module.exports = function (searchString/*, position*/) {
  return indexOf.call(this, searchString, arguments[1]) > -1;
};
```

```javascript
var isPlainObject = require('./is-implemented')()
  ? String.prototype.contains
  : require('./shim');

var baseProperty = require('./_baseProperty'),
    basePropertyDeep = require('./_basePropertyDeep'),
    isKey = require('./_isKey'),
    toKey = require('./_toKey');

module.exports = function property(path) {
  return isKey(path) ? baseProperty(toKey(path)) : basePropertyDeep(path);
};
```

```javascript
var document = require('./_global').document;
module.exports = document && document.documentElement;
```

```javascript
/*!
 * 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'
}
```

```javascript
var toString = Object.prototype.toString;
var OBJECT_STRING = '[object Object]';
function isPlainObject (obj) {
  return toString.call(obj) === OBJECT_STRING
}
```

```javascript
function isNull (val) {
  return val === null || val === undefined
}
```

```javascript
function parseArgs () {
  var args = [], len = arguments.length;
  while (len--) args[len] = arguments[len];

  var locale = null;
  var params = null;
  if (args.length == 1) {
    locale = args[0];
  } else if (args.length == 2) {
    locale = args[0];
    params = args[1];
  } else if (args.length == 3) {
    locale = args[0];
    params = args[1];
    locale = args[2];
  } else if (locale == null) {
    locale = "";
  } else if (params == null) {
    params = "";
  } else if (locale.length <= 0 && params.length <= 0) {
    locale = params = "";
  } else if (locale.length <= 1 && params.length <= 1) {
    locale = params = "";
  } else if (locale.length <= 2 && params.length <= 2) {
    locale = params = "";
  } else {
    locale = params = "";
  }
```
arguments;

if (typeof value === 'string') {
    path = value;
} else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
    choice = value.choice;
}

return {
    path: path,
    locale: locale,
    args: args,
    choice: choice
}

function makeParams (locale, args) {
    var params = [
        locale
    ];

    if (args) {
        if (Array.isArray(args)) {
            params.push.apply(params, args);
        } else if (isPlainObject(args)) {
            params.push.apply(params, Object.keys(args).map(key => args[key]));
        }
    }

    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 });

    // use simple mergeStrategies to prevent i18n instance lose '__proto__'
    var strats = Vue.config.optionMergeStrategies;

    strats.i18n = function (parentVal, childVal) {
        return childVal === undefined
            ? parentVal
            : childVal
    };
INC_SUB_PATH_DEPTH: [IN_PATH, PUSH_SUB_PATH], 'eof': ERROR, 'else': [IN_SUB_PATH, APPEND], \n
<table>
<thead>
<tr>
<th>function</th>
</tr>
</thead>
</table>
| 'else': [IN_SINGLE_QUOTE, APPEND], \n| 'eof': ERROR, 'else': [IN_DOUBLE_QUOTE, APPEND], \n
null/** 
* Check if an expression is a literal value. `null
* \n*/

<table>
<thead>
<tr>
<th>function</th>
</tr>
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</table>
| Str
*
* Strip quotes from a string. `null
* `null
*
* Function to format a subPath, return its plain form if it is `null
* a literal string or number. Otherwise prepend the `null
* dynamic indicator (`*`). `null
* `null
*
* Format a subPath, return its plain form if it is `null
* a literal string or number. Otherwise prepend the `null
* dynamic indicator (`*`). `null
* `null
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* Get path value from path string. `null
* `null
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* `null
*
* In Branch Migration Tool 1.9
* 10760

Open Source Used In Branch Migration Tool 1.9
```javascript
options === void 0 ) options = {};

  // Auto install if it is not done yet and `window` has `Vue`.
  // To allow users to avoid auto-installation in some cases,
  // this code should be placed here. See #290
  /* istanbul ignore if */
  if (!Vue && typeof window !== 'undefined' && window.Vue) {
    install(window.Vue);
  }

  var locale = options.locale || 'en-US';
  var fallbackLocale = options.fallbackLocale || 'en-US';
  var messages = options.messages || {};
  var dateTimeFormats = options.dateTimeFormats || {};
  var numberFormats = options.numberFormats || {};
  var this._vm = null;
  this._formatter = options.formatter || new BaseFormatter();
  this._missing = options.missing || null;
  this._root = options.root || null;
  this._sync = options.sync === undefined
    ? true
    : options.sync;
  this._fallbackRoot = options.fallbackRoot === undefined
    ? true
    : options.fallbackRoot;
  this._silentTranslationWarn = options.silentTranslationWarn;

  this._exist = function (message, key) {
    if (!message || !key) {
      return false
    }
    return !isNull(this._path.getPathValue(message, key))
  };

  this._initVM = function _initVM (locale, messages, dateTimeFormats, numberFormats) {...

  Vue.config.silent = silent;
};

VueI18n.prototype._initVM = function _initVM (data) {
  var silent = Vue.config.silent;
  Vue.config.silent = true;
  this._vm = new Vue({ data: data });
  Vue.config.silent = silent;
};

VueI18n.prototype.subscribeDataChanging = function subscribeDataChanging (vm) {
  this._dataListeners.push(vm);
};

VueI18n.prototype.unsubscribeDataChanging = function unsubscribeDataChanging (vm) {
  remove(this._dataListeners, vm);
};

VueI18n.prototype.watchI18nData = function watchI18nData () {
  var self = this;
  return this._vm.$watch('$data', function (value) {
    var i = self._dataListeners.length;
    while (i--) {
      Vue.nextTick(function () {
        self._dataListeners[i].$forceUpdate();
      });
    }, { deep: true });
  });
};

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, 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 key
};
```

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VueI18n.prototype.t = function t(key) {
    var ref;

    var values = [], len = arguments.length - 1;
    while ( len-- > 0 ) values[ len ] = arguments[ len + 1 ];
  return (ref = this)._t.apply(ref, [ key, this.locale, this._getMessages(), null ].concat( values ))
};

VueI18n.prototype._i = function _i(key, locale, messages, host, values) {
  var ret =
    this._translate(messages, locale, this.fallbackLocale, key, host, 'raw', values);
  if (this._isFallbackRoot(ret)) {
    if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
      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)
  } else {
    return this._warnDefault(locale, key, ret, host, [values])
  }
}

VueI18n.prototype.i = function i(key, locale, values) {
  /* istanbul ignore if */
  if (!key) { return '' }

  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.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
      ? 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.te = function te(key, locale) {
  return this._te(key, this.locale, this._getMessages(), locale)
};

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] || {}, format)
};

VueI18n.prototype._localizeDateTime = function _localizeDateTime(value, locale, fallback, dateTimeFormats, key)

  fallback
    if (isNull(dateTimeFormats[locale]) || !isObject(dateTimeFormats[locale])) {
      dateTimeFormats[locale] = dateTimeFormats || this._getDateTimeFormats(locale);
    }

    value
    if (isString(value)) {
      dateTimeFormats[locale][value] = dateTimeFormats[locale][value] || value;
    } else {
      var id = locale + __ + key;
      var formatter = this._createDateTimeFormatter(id);
      if (typeof formatter !== 'function') {
        throw new Error('Invalid date format ' + key);
      }

      dateTimeFormats[locale][key] = formatter;
      this._registerDateTimeFormatter(locale, key, formatter);
    }
  return dateTimeFormats[locale][key](value)
};
Vue.use(VueI18n)

function loadLocaleMessages () {
  const locales = require.context('./locales', 1, 1)
  VueI18n.install = function (vm, options) {
    // ... (other code)
  }

  Object.defineProperties( VueI18n.prototype, prototypeAccessors );

  VueI18n.availabilities = {
    ... (other code)
  }

  return this._root.$i18n._d(value, locale, key, options)
}

VueI18n.prototype._n = function _n (value, locale, key, options) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (key === 'undefined') {
    return undefined
  } else if (typeof arguments[1] === 'string') {
    return this._root.$i18n._n(value, arguments[1], key, options)
  } else if (arguments.length === 2) {
    if (typeof arguments[0] === 'string') {
      return this._root.$i18n._d(value, arguments[1], key, options)
    } else if (typeof arguments[0] === 'object') {
      return this._root.$i18n._n(value, arguments[0], key, options)
    }
  } else if (arguments.length === 3) {
    return this._root.$i18n._n(value, locale, arguments[1], options)
  } else if (arguments.length === 4) {
    return this._root.$i18n._n(value, locale, arguments[1], arguments[2], options)
  }

  throw Error('expected two or more arguments, got ');
}

VueI18n.prototype._localizeNumber = function _localizeNumber (value, locale, fallback, numberFormats, key, options) {
  if (process.env.NODE_ENV !== 'production') {
    warn('Unexpected key: ');
    return undefined
  }

  if (locale) {
    return new Intl.NumberFormat(locale).format(value)
  } else if (fallback) {
    return fallback
  } else if (key) {
    return new Intl.NumberFormat(locale).format(value)
  } else if (options) {
    return undefined
  } else if (typeof key === 'string') {
    return new Intl.NumberFormat(locale, options).format(value)
  }

  throw Error('unexpected key ');
}

VueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallbackLocale, _getDateTimeFormats, key, options) {
  if (process.env.NODE_ENV !== 'production') {
    warn('Unexpected key: ');
    return undefined
  }

  if (locale) {
    return new Intl.DateTimeFormat(locale).format(value)
  } else if (fallbackLocale) {
    return fallbackLocale
  } else if (key) {
    return new Intl.DateTimeFormat(locale).format(value)
  } else if (options) {
    return undefined
  } else if (typeof key === 'string') {
    return new Intl.DateTimeFormat(locale, options).format(value)
  }

  throw Error('unexpected key ');
}

VueI18n.prototype._d = function _d (value, locale, key) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (key === 'undefined') {
    return undefined
  } else if (typeof arguments[1] === 'string') {
    return this._root.$i18n._d(value, arguments[1], key)
  } else if (arguments.length === 2) {
    if (typeof arguments[0] === 'string') {
      return this._root.$i18n._d(value, arguments[1], key)
    } else if (typeof arguments[0] === 'object') {
      return this._root.$i18n._d(value, arguments[0], key)
    }
  } else if (arguments.length === 3) {
    return this._root.$i18n._d(value, locale, arguments[1], key)
  } else if (arguments.length === 4) {
    return this._root.$i18n._d(value, locale, arguments[1], arguments[2], key)
  }

  throw Error('expected two or more arguments, got ');
}

VueI18n.prototype._n = function _n (value, locale, key, options) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (key === 'undefined') {
    return undefined
  } else if (typeof arguments[1] === 'string') {
    return this._root.$i18n._n(value, arguments[1], key, options)
  } else if (arguments.length === 2) {
    if (typeof arguments[0] === 'string') {
      return this._root.$i18n._n(value, arguments[1], key, options)
    } else if (typeof arguments[0] === 'object') {
      return this._root.$i18n._n(value, arguments[0], key, options)
    }
  } else if (arguments.length === 3) {
    return this._root.$i18n._n(value, locale, arguments[1], options)
  } else if (arguments.length === 4) {
    return this._root.$i18n._n(value, locale, arguments[1], arguments[2], options)
  }

  throw Error('expected two or more arguments, got ');
}

VueI18n.prototype._localizeNumber = function _localizeNumber (value, locale, fallback, numberFormats, key, options) {
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (locale) {
    return new Intl.NumberFormat(locale).format(value)
  } else if (fallback) {
    return fallback
  } else if (key) {
    return new Intl.NumberFormat(locale).format(value)
  } else if (options) {
    return undefined
  } else if (typeof key === 'string') {
    return new Intl.NumberFormat(locale, options).format(value)
  }

  throw Error('unexpected key ');
}

VueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallbackLocale, _getDateTimeFormats, key, options) {
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (locale) {
    return new Intl.DateTimeFormat(locale).format(value)
  } else if (fallbackLocale) {
    return fallbackLocale
  } else if (key) {
    return new Intl.DateTimeFormat(locale).format(value)
  } else if (options) {
    return undefined
  } else if (typeof key === 'string') {
    return new Intl.DateTimeFormat(locale, options).format(value)
  }

  throw Error('unexpected key ');
}

VueI18n.prototype._d = function _d (value, locale, key) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (key === 'undefined') {
    return undefined
  } else if (typeof arguments[1] === 'string') {
    return this._root.$i18n._d(value, arguments[1], key)
  } else if (arguments.length === 2) {
    if (typeof arguments[0] === 'string') {
      return this._root.$i18n._d(value, arguments[1], key)
    } else if (typeof arguments[0] === 'object') {
      return this._root.$i18n._d(value, arguments[0], key)
    }
  } else if (arguments.length === 3) {
    return this._root.$i18n._d(value, locale, arguments[1], key)
  } else if (arguments.length === 4) {
    return this._root.$i18n._d(value, locale, arguments[1], arguments[2], key)
  }

  throw Error('expected two or more arguments, got ');
}

VueI18n.prototype._n = function _n (value, locale, key, options) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production') {
    warn('Expected two or more arguments, got ');
    return undefined
  }

  if (key === 'undefined') {
    return undefined
  } else if (typeof arguments[1] === 'string') {
    return this._root.$i18n._n(value, arguments[1], key, options)
  } else if (arguments.length === 2) {
    if (typeof arguments[0] === 'string') {
      return this._root.$i18n._n(value, arguments[1], key, options)
    } else if (typeof arguments[0] === 'object') {
      return this._root.$i18n._n(value, arguments[0], key, options)
    }
  } else if (arguments.length === 3) {
    return this._root.$i18n._n(value, locale, arguments[1], options)
  } else if (arguments.length === 4) {
    return this._root.$i18n._n(value, locale, arguments[1], arguments[2], options)
  }

  throw Error('expected two or more arguments, got ');
}
true, /[A-Za-z0-9-_.\s]+\.json$/i
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]
    locales[locale] = 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()
})

var render = function () {
  return this.$createElement('div', {staticClass: 'content-placeholder'}, [
    this.$createElement('div', {staticClass: 'content-placeholder__wrapper', style: {
      backgroundSize: this.size
    }}, [this.$createElement('div', {key: r, staticClass: 'content-placeholder__wrapper__row', style: {
        height: row.height
      }}, [this.$createElement('div', {key: b, style: box.style}, [b.subClass ? this.$createElement('div', {class: b.subClass}) : this._v(null)])])])
  ]
}

var staticRenderFns = [function () {
  return this.$createElement('div', {class: 'content-placeholder__wrapper__row__box'}, [this.$createElement('div', {class: 'content-placeholder__wrapper__row__box__box'}, [this.$createElement('div', {class: 'content-placeholder__wrapper__row__box__box__box'}, [this.$createElement('div', {key: b, style: box.style}, [b.subClass ? this.$createElement('div', {class: b.subClass}) : this._v(null)])])])
  ]
}

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};`})
    }
  }
  if (isFlexBasis(width)) {
    arr.push({style: `flex-grow: ${width}; flex-shrink: 0; flex-basis: 0;`})
  } 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;'}
  }
  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: {
    /**
     * An array of lines describing a series of cell sizes and margin sizes.
     */
    rows: {
      type: Array
    },
    /**
     * The size of the background gradient with the elapsing effect.
     */
    size: {
      type: String,
      default: '250%'
    }
  },
  computed: {
    formattedRows () {
      return formatRows(this.rows, 'content-placeholder__wrapper__row__box')
    }
  }
}
</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;
    &__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;
        width: 100%;
      }
    }
  }
  &__box__box__box {
    animation-duration: 1s;
    animation-fill-mode: forwards;
    animation-iteration-count: infinite;
    animation-name: placeHolderShimmer;
<template>
  <div class="donate-form container-fluid py-2">
    <h2 class="text-uppercase font-weight-bold text-primary h5" v-if="!noTitle">
      {{ $t('donate-form.support') }}
    </h2>
    <!-- @slot Description of the form (bellow the title). -->
    <slot name="introduction">
      <p v-html="$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>{{ $t('donate-form.label') }}</span>
            <label class="input-group input-group-sm d-inline-flex">
              <span class="input-group-prepend">
                <span class="input-group-text">$</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">
                {{ $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 class="donate-form__insider__list">
                        <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.impacts.conversation.list')">
                          {{ t }}
                        </li>
                      </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.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 class="donate-form__insider__list">
                        <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.impacts.rules.list')">
                            {{ t }}
                        </li>
                      </ul>
                  </div>
              </div>
          </div>
        </div>
    </div>
  </div>
</template>
<li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.impacts.rules.list')">
  {{ t }}
</li>
</ul>
</div>
</div>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.impacts.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.impacts.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
    {{ t }}
  </li>
</ul>

<p class="donate-form__insider__highlight text-icij font-weight-bold">
  {{ $t('donate-form.benefits.world.highlight') }}
</p>
<ul class="donate-form__insider__list">
  <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.world.list')">
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  </li>
</ul>

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</ul>
```javascript
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,
        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['finally'] = promiseFinally;
Promise.all = function(arr) {
    return new Promise(function(resolve, reject) {
        arr.forEach(function(item, index) {
            if (item && typeof item.then === 'function') {
                item.then(resolve, reject);
            } else {
                resolve(index);
            }
        }, resolve);
    });
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  return this.then(onRejected, onFulfilled);
};

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);
    if (args.length === 0)
      return resolve([]);
    var remaining = args.length;
    var res;
    for (var i = 0; i < args.length; i++) {
      res = args[i].then(resolve, reject);
      if (res && res.then) args[i] = res;
      if (--remaining === 0) {
        resolve(args);
        break;
      }
    }
  });
};

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);
    }
  });
};

Promise._immediateFn =
  (typeof setImmediate === 'function' &&
  function(fn) {
      setImmediate(fn);
    }) ||
  function(fn) {
    setTimeoutFunc(fn, 0);
  };
Open Source Used In Branch Migration Tool 1.9  10772

```javascript
__vm=this;var _h=__vm.$createElement;var _c=__vm._self._c||_h;return _c('div',{staticClass:"sharing-options"},[_c('social-sharing',__vm_b{inlineTemplate:{render:function(){var __vm=this;var _h=__vm.$createElement;var _c=__vm._self._c||_h;return _c('network',{staticClass:"sharing-options__link"},attrs:{'network':"\'twitter\""},[_c('fa',{attrs:{'icon':['fab', 'twitter']}}),_c('span',{staticClass:"sr-only"},[_vm._v("Share on Twitter")])],1),staticRenderFns:[[]]}},'social-sharing',__vm.valuesFor('twitter'),false)},_c('social-sharing',__vm_b{inlineTemplate:{render:function(){var __vm=this;var _h=__vm.$createElement;var _c=__vm._self._c||_h;return _c('network',{staticClass:"sharing-options__link"},attrs:{'network':"\'facebook\""},[_c('fa',{attrs:{'icon':['fab', 'facebook']}}),_c('span',{staticClass:"sr-only"},[_vm._v("Share on Facebook")])],1),staticRenderFns:[[]]}},'social-sharing',__vm.valuesFor('facebook'),false)},_c('social-sharing',__vm_b{inlineTemplate:{render:function(){var __vm=this;var _h=__vm.$createElement;var _c=__vm._self._c||_h;return _c('network',{staticClass:"sharing-options__link"},attrs:{'network':"\'linkedin\""},[_c('fa',{attrs:{'icon':['fab', 'linkedin']}}),_c('span',{staticClass:"sr-only"},[_vm._v("Share on Linkedin")])],1),staticRenderFns:[[]]}},'social-sharing',__vm.valuesFor('linkedin'),false)},_c('social-sharing',__vm_b{inlineTemplate:{render:function(){var __vm=this;var _h=__vm.$createElement;var _c=__vm._self._c||_h;return _c('network',{staticClass:"sharing-options__link"},attrs:{'network':"\'email\""},[_c('fa',{attrs:{'icon':"envelope"}}),_c('span',{staticClass:"sr-only"},[_vm._v("Share by email")])],1),staticRenderFns:[[]]}},'social-sharing',__vm.valuesFor('email'),false)}),_c('div',{directives:[{name:"show",rawName:"v-show",value:!__vm.noEmbed},staticClass:"sharing-options__link"},[_c('a',{on:{'click':__vm.showEmbedForm}},[_c('fa',{attrs:{'icon':"code"}}),_c('span',{staticClass:"sr-only"},[_vm._v("Embed")])],1)],_c('b-modal',{ref:"embedForm",staticClass:"text-dark",attrs:{'hide-footer':true,"title":"Embed on your website"},[_c('embed-form',{attrs:{'no-title':true,"no-preview":true,"min-height":__vm.iframeMinHeight,"min-width":__vm.iframeMinWidth}})],1),1])

var staticRenderFns = [

]

export { render, staticRenderFns };

if (typeof Object.assign !== 'function') {
  Object.assign = function(target, ...sources) {
    // .length of function is 2

    if (target == null) {
      throw new TypeError('Cannot convert undefined or null to object');
    }

    var to = Object(target);

    for (var index = 1; index < arguments.length; index++) {
      var nextSource = arguments[index];

      if (nextSource != null) {
        for (var nextKey in nextSource) {
          if (Object.prototype.hasOwnProperty.call(nextSource, nextKey)) {
            to[nextKey] = nextSource[nextKey];
          }
        }
      }
    }
    return to;
  };

} // @link https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/assign

```
```
instance
export var arrayIncludes = function arrayIncludes(array, value) {
  return array.indexOf(value) !== -1;
};

// Static
export var from = Array.from;
export var isArray = Array.isArray;

// E. Increase k by 1.
        k++;
      }

      // 7. Return undefined.
      return undefined;
    }
  });
}

if (arguments.length > 1)
      // 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 T = void 0;

      if (typeof mapFn !== 'undefined') {
        // 5. else
        // 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');
        }
        // 5. b. If thisArg was supplied, let T be thisArg; else let T be undefined.
        if (arguments.length > 1)
          var thisArg = arguments[1];

      var len = toLength(items.length);
      // 13. If IsConstructor(C) is true, then
      // 13. a. Let A be the result of calling the [[Construct]] internal method
      // of C with an argument list containing the single item len.
      var A = IsConstructor(C) ? new C(len) : new Array(len);
      // 16. Let k be 0.
      var k = 0;
      // 17. Repeat,
      while (k < len)
        // a. Let Pk be ! ToString(k).
        // b. Let kValue be ? Get(O, Pk).
        var kValue = void 0;
        while (k < len) {
          kValue = items[k];
          if (predicate.call(thisArg, kValue, k, o)) {
            return kValue;
          }
        }
        k += 1;
      }
      putStatus
      return undefined;
    }
  });
}

export var readonlyDescriptor() {
  return { enumerable: true, configurable: false, writable: false
};

export function Object.defineProperty(obj, prop, desc) {

    if (desc.writable) {
      obj[prop] = value;
    } else if (desc.configurable) {
      delete obj[prop];
    } else {
      throw new TypeError('Cannot change number of defined properties of ' + String(obj));
    }
  }

  Object.defineProperty.prototype.find

// Needed for IE support
if (!Array.prototype.findIndex) {
  // eslint-disable-next-line no-extend-native
  Object.defineProperty(Array.prototype, 'findIndex', {
    value: function findIndex(predicate) {
      // 1. Let O be Object(this value).
      if (this == null) {
        throw new TypeError('this is null or not defined');
      }

      // 2. Let len be ? ToLength(? Get(O, "length")).
      var len = toLength(Object.getPrototypeOf(this).length);
      // 3. If IsCallable(predicate) is false, throw a TypeError exception.
      if (!isCallable(predicate)) {
        throw new TypeError('Array.prototype.findIndex: when provided, the second argument must be a function');
      }

      // 4. If thisArg was supplied, let T be thisArg; else let T be undefined.
      var T = void 0;

      // 5. a. Let fn be ToObject(toStr.call(predicate)).
      // 5. b. If IsCallable(fn) is false, throw a TypeError exception.
      if (!isCallable(fn)) {
        throw new TypeError('Array.prototype.findIndex: when provided, the second argument must be a function');
      }

      // 6. Repeat,
      // a. Let k be ! ToNumber(k).
      // b. Let kValue be ? Get(O, k).
      for (var k = 0; k < len; k++) {
        // Step 6.a: NaN == NaN
        if (k === k) {
          // 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;
        }
      }
    }
  });
}

Object.is

Object.is = function (x, y) {

  // 1. Let x and y be ToObject(x) and ToObject(y).
  x = ToObject(x);
  y = ToObject(y);

  // 2. Let xEqy be ! SameValue(x, y).
  // Step 7
  return xEqy;
};

// 8. Let isEqual be false.
// 9. Return isEqual.
return isEqual;
1\n```
export var arrayFind = function arrayFind(array, fn, thisArg){
  return array.findIndex(fn, thisArg);
};
```

```
export var arrayFind = function arrayFind(array, fn, thisArg){
  return array.findIndex(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 {Object} objToPluck
 * @param {Function} transformFn
 * @return {Object}
 */
export default function pluckProps(keysToPluck, objToPluck) {
  return transformFn.apply(transformFn, objToPluck)(keysToPluck, transformFn)(function (memo, prop) {
    // eslint-disable-next-line no-sequences
    return memo[transformFn(transformFn(prop))].push(transformFn(prop));
  });
}
```

```
import { from as arrayFrom } from './array';
```

```
// 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'))
};
```

```
// Since we dont support IE < 10, we can use the "Matches" version of the polyfill for speed
```

```
// Test if an element has a class
export var hasClass = function hasClass(el, className) {
  if (className && isElement(el)) {
    return el.classList.contains(className);
  }
  return false;
}
```

```
// Set an attribute on an element
export var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
  }
}
```

```
// Remove an attribute from an element
export var removeAttr = function removeAttr(el, attr) {
  if (attr && isElement(el)) {
    el.removeAttribute(attr);
  }
};
```

```
// Get an attribute value from an element
```
(returns null if not found)\n\nexport var getAttr = function getAttr(el, attr) {\n  if (attr && isElement(el)) {\n    return el.getAttribute(attr);\n  } \n  return null;\n};\n// Determine if an attribute exists on an element (returns true or false, or null if element not found)\n\nexport var hasAttr = function hasAttr(el, attr) {\n  if (attr && isElement(el)) {\n    return el.hasAttribute(attr);\n  } \n  return null;\n};\n// Return the Bounding Client Rec of an element. Retruns null if not an element\n\nexport var getBCR = function getBCR(el) {\n  return isElement(el) ? el.getBoundingClientRect() : null;\n};\n\n// Get computed style object for an element\n\nexport var getCS = function getCS(el) {\n  return isElement(el) ? window.getComputedStyle(el) : {}\n};\n\n// Return an element's offset wrt document element\n\nexport var offset = function offset(el) {\n  if (isElement(el)) {\n    if (!el.getClientRects().length) {\n      return { top: 0, left: 0 };\n    }\n    var bcr = getBCR(el);\n    var win = el.ownerDocument.defaultView;\n    return {\n      top: bcr.top + win.pageYOffset,\n      left: bcr.left + win.pageYOffset\n    };\n  }\n};\n\n// Return an element's offset wrt to it's offsetParent\n\nexport var position = function position(el) {\n  if (!isElement(el)) {\n    return;\n  }\n  var parentOffset = { top: 0, left: 0 };\n  var offsetSelf = void 0;\n  var offsetParent = void 0;\n  if (getCS(el).position === 'fixed') {\n    offsetSelf = getBCR(el);\n  } else {\n    offsetSelf = getOffsetParent(el, true);\n    var doc = el.ownerDocument;\n    offsetParent = el.offsetParent || doc.documentElement;\n    while (offsetParent && (offsetParent === doc.body || offsetParent === doc.documentElement) && getCS(offsetParent).position === 'static') {\n      offsetParent = offsetParent.parentNode;\n    }\n  }\n  return {\n    top: offsetSelf.top - parentOffset.top - parseFloat(getCS(el).marginTop),\n    left: offsetSelf.left - parentOffset.left - parseFloat(getCS(el).marginLeft)\n  };\n};\n// Attach an event listener to an element\n\nexport var eventOn = function eventOn(el, evtName, handler) {\n  if (el && el.addEventListener) {\n    el.addEventListener(evtName, handler);\n  }\n};\n\n// Remove an event listener from an element\nexport var eventOff = function eventOff(el, evtName, handler) {\n  if (el && el.removeEventListener) {\n    el.removeEventListener(evtName, handler);\n  }\n};

var _typeof = typeof Symbol === "function" && typeof Symbol.iterator === "symbol" ? function (obj) { return typeof obj; } : function (obj) { return obj && typeof Symbol === "function" && obj.constructor === Symbol && typeof obj === "Symbol" ? typeof obj : 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.\n * As such, sharing its props makes supporting all its features easier.\n * However, some components need to modify the defaults for their own purpose.\n * Prefer sharing a fresh copy of the props to ensure mutations do not affect other component references to the props.\n * @return {{}}\n */
export function propsFactory() {\n  return {\n    href: {\n      type: String,\n      default: null\n    },\n    rel: {\n      type: String,\n      default: null\n    },\n    target: {\n      type: String,\n      default: '_self'\n    },\n    active: {\n      type: Boolean,\n      default: false\n    },\n    activeClass: {\n      type: String,\n      default: '_active'\n    },\n    append: {\n      type: Boolean,\n      default: false\n    },\n    disabled: {\n      type: Boolean,\n      default: false\n    },\n    event: {\n      type: [String, Array],\n      default: ['click']\n    },\n    exact: {\n      type: Boolean,\n      default: false\n    },\n    exactActiveClass: {\n      type: String,\n      default: '_active'\n    },\n    replace: {\n      type: Boolean,\n      default: false\n    },\n    routerTag: {\n      type: String,\n      default: 'a'\n    },\n    to: {\n      type: [String, Object],\n      default: null\n    }\n  };\n}

export var props = propsFactory();

export function pickLinkProps(propsToPick) {\n  var freshLinkProps = propsFactory();\n  // Normalize everything to array\n  var propsToPick = concat(propsToPick);\n  return keys(freshLinkProps).reduce(function (memo, prop) {\n    if (arrayIncludes(propsToPick, prop)) {\n      memo[prop] = freshLinkProps[prop];\n    }\n    return memo;\n  }, {});\n}

export function omitLinkProps(propsToOmit) {\n  var freshLinkProps = propsFactory();\n  // Normalize everything to array\n  var propsToOmit = concat(propsToOmit);\n  return keys(freshLinkProps).reduce(function (memo, prop) {\n    if (arrayIncludes(propsToOmit, prop)) {\n      memo[prop] = freshLinkProps[prop];\n    }\n    return memo;\n  }, {});\n}
propKeys = keys(props);\n\n for (var i = 0; i < propKeys.length; i++) {\n
var prop = propKeys[i];\n //
Computed Vue getters are bound to the instance.\n
linkProps[prop] = this[prop];\n }\n\n return linkProps;\n
}\n};\n\nfunction computeTag(props, parent) {\n return Boolean(parent.$router) && props.to && !props.disabled ?
'router-link' : 'a';\n}\n\nfunction computeHref(_ref, tag) {\n var disabled = _ref.disabled,\n
href = _ref.href,\n
to = _ref.to;\n\n // We've already checked the parent.$router in computeTag,\n // so router-link means live router.\n
// When deferring to Vue Router's router-link,\n // don't use the href attr at all.\n // Must return undefined for routerlink to populate href.\n if (tag === 'router-link') return void 0;\n // If href explicitly provided\n if (href) return
href;\n // Reconstruct href when `to` used, but no router\n if (to) {\n // Fallback to `to` prop (if `to` is a string)\n
if (typeof to === 'string') return to;\n // Fallback to `to.path` prop (if `to` is an object)\n if ((typeof to ===
'undefined' ? 'undefined' : _typeof(to)) === 'object' && typeof to.path === 'string') return to.path;\n }\n // If nothing
is provided use '#'\n return '#';\n}\n\nfunction computeRel(_ref2) {\n var target = _ref2.target,\n
rel =
_ref2.rel;\n\n if (target === '_blank' && rel === null) {\n return 'noopener';\n }\n return rel ||
null;\n}\n\nfunction clickHandlerFactory(_ref3) {\n var disabled = _ref3.disabled,\n
tag = _ref3.tag,\n
href =
_ref3.href,\n
suppliedHandler = _ref3.suppliedHandler,\n
parent = _ref3.parent;\n\n var isRouterLink = tag
=== 'router-link';\n\n return function onClick(e) {\n if (disabled && e instanceof Event) {\n
// Stop event from
bubbling up.\n
e.stopPropagation();\n // Kill the event loop attached to this specific EventTarget.\n
e.stopImmediatePropagation();\n } else {\n
parent.$root.$emit('clicked::link', e);\n\n
if (isRouterLink &&
e.target.__vue__) {\n
e.target.__vue__.$emit('click', e);\n
}\n
if (typeof suppliedHandler === 'function')
{\n
suppliedHandler.apply(undefined, arguments);\n
}\n }\n\n if (!isRouterLink && href === '#' ||
disabled) {\n
// Stop scroll-to-top behavior or navigation.\n
e.preventDefault();\n }\n };\n}\n\nexport default
{\n functional: true,\n props: propsFactory(),\n render: function render(h, _ref4) {\n var props = _ref4.props,\n
data = _ref4.data,\n
parent = _ref4.parent,\n
children = _ref4.children;\n\n var tag = computeTag(props,
parent);\n var rel = computeRel(props);\n var href = computeHref(props, tag);\n var eventType = tag ===
'router-link' ? 'nativeOn' : 'on';\n var suppliedHandler = (data[eventType] || {}).click;\n var handlers = { click:
clickHandlerFactory({ tag: tag, href: href, disabled: props.disabled, suppliedHandler: suppliedHandler, parent:
parent }) };\n\n var componentData = mergeData(data, {\n
class: [props.active ? props.exact ?
props.exactActiveClass : props.activeClass : null, { disabled: props.disabled }],\n
attrs: {\n
rel: rel,\n
href: href,\n
target: props.target,\n
tabindex: props.disabled ? '-1' : data.attrs ? data.attrs.tabindex : null,\n
'aria-disabled': tag === 'a' && props.disabled ? 'true' : null\n
},\n
props: assign(props, { tag: props.routerTag
})\n });\n\n // If href prop exists on router-link (even undefined or null) it fails working on SSR\n if
(!componentData.attrs.href) {\n
delete componentData.attrs.href;\n }\n\n // We want to overwrite any click
handler since our callback\n // will invoke the supplied handler if !props.disabled\n componentData[eventType]
= assign(componentData[eventType] || {}, handlers);\n\n return h(tag, componentData, children);\n
}\n};","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; }\n\nimport {
mergeData } from 'vue-functional-data-merge';\nimport pluckProps from '../../utils/pluck-props';\nimport { concat }
from '../../utils/array';\nimport { assign, keys } from '../../utils/object';\nimport { addClass, removeClass } from
'../../utils/dom';\nimport Link, { propsFactory as linkPropsFactory } from '../link/link';\n\nvar btnProps = {\n block:
{\n type: Boolean,\n default: false\n },\n disabled: {\n type: Boolean,\n default: false\n },\n size: {\n
type: String,\n default: null\n },\n variant: {\n type: String,\n default: null\n },\n type: {\n type: String,\n
default: 'button'\n },\n pressed: {\n // tri-state prop: true, false or null\n // => on, off, not a toggle\n type:
Boolean,\n default: null\n }\n};\n\nvar linkProps = linkPropsFactory();\ndelete linkProps.href.default;\ndelete
linkProps.to.default;\nvar linkPropKeys = keys(linkProps);\n\nexport var props = assign(linkProps,
btnProps);\n\nfunction handleFocus(evt) {\n if (evt.type === 'focusin') {\n addClass(evt.target, 'focus');\n } else if
(evt.type === 'focusout') {\n removeClass(evt.target, 'focus');\n }\n}\n\nexport default {\n functional: true,\n
props: props,\n render: function render(h, _ref) {\n var _ref2;\n\n var props = _ref.props,\n
data =
_ref.data,\n
listeners = _ref.listeners,\n
children = _ref.children;\n\n var isLink = Boolean(props.href ||
props.to);\n var isToggle = typeof props.pressed === 'boolean';\n var on = {\n
click: function click(e) {\n

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var _$root;

    for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
        event
           * @param {*} args
           * @chainable
           */
    emitOnRoot: function emitOnRoot(event) {

        if (args && args.length > 0) {
            for (var i = 0, len = args.length; i < len; i++) {
                this[BVRL].push({ event: event, callback: args[i] });
                this.$root.$on(event, args[i]);
                return
            }
        }

        this[BVRL] || (this[BVRL] = []);
        this[BVRL].push({ event: event, callback: callback });
        this.$root.$on(event, callback);
        return
    },


    /**
         * Convenience method for calling vm.$emit on vm.$root.
         * @param {string}
         * @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
    },


    /**
         * SAFE Register event listeners on the root Vue node.
         * While Vue automatically removes listeners for
         * certain events (like keydown), there is no
         * guarantee that node will actually be destroyed,
         * so we mimic that functionality by disabling
         * tabbing.
         * @param {string} name
         * @param {function} fn
         * @link https://github.com/vuejs/core/issues/569
         */

    safeId: function safeId() {

        var id = this.id || this.localId_ || null;
        if (!id) {
            return null;
        }
        suffix = String(suffix).replace(/\s+/g, '_');
        return suffix ? id + '_' + suffix : id;
    },

    /**
         * Computes the localId_ of a component
         * @param {Vue} vm
         * @return {string}
         */
    localId_: function localId_(vm) {

        if (!vm.$isServer && !vm.id && typeof vm._uid !== 'undefined') {
            return '__BVID__' + vm._uid;
        }
    }
};

export default {
  methods: {
    /**
         * @param {string} type
         * @param {object} children
         * @return {Vue} component
         */
    render: function render(h, _ref) {
      var props = _ref.props,
          data = _ref.data,
          listeners = _ref.listeners,
          slots = _ref.slots;

      var componentData = {
        staticClass: 'close',
        class: _defineProperty({}, 'text-' + props.textVariant, props.textVariant),
      attrs: {
        type: 'button',
        disabled: props.disabled,
        'aria-labelledby': props.ariaLabel ? props.ariaLabel : null,
        on: {
          click: function click(e) {
            e.stopPropagation();
            e.preventDefault();
          }
        },
        on: on
      };

      return h(isLink ? Link : 'button', mergeData(data, componentData), children);
    }
};
```javascript
_key++) {
  args[_key - 1] = arguments[_key];
}

(_$root = this.$root).$emit.apply(_$root, [event].concat(_toConsumableArray(args)));
return this;
}

beforeDestroy: function

  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);
    }
  }

export { assign } from './object';
export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
  window.MozMutationObserver;
  var eventListenerSupported = window.addEventListener;

  // Handle case
  el = el ? el.$el || el : null; /* istanbul ignore next: difficult to test in
JS Dom */

  if (!isElement(el)) {
    // We can't observe something that isn't an element
    return null; /* istanbul ignore next: difficult to test in
JS Dom */

  var obs = null; /* istanbul ignore next: difficult to test in
JS Dom */

  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)

        if (type === 'characterData' && mutation.target.nodeType === Node.TEXT_NODE) {
          changed = true;
        } else if (type === 'attributes') {
          changed = true;
        } else if (type === 'childList' &&
          (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
          // This includes HTMLElement and Text Nodes being added/removed/re-arranged
          changed = true;
        }
      }
      if (changed) {

        // We only call the callback if a change that could affect layout/size truly happened.
        callback( );
      }
    });

    // Have the observer observe foo 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);
  }

  // We return a reference to the observer so that
call.disconnect() can be called if necessary
  // To reduce overhead when the root element is hidden
  return obs;
} /* istanbul ignore next */

/* istanbul ignore next */
function warn(message) {
  console.warn("[Bootstrap-Vue warn]: " + message);
}

export default warn;
```

```
Modal

```javascript
var modal = h('div', {
  ref: 'modal',
  class: this.modalClasses,
  directives: [{
    name: // Modal Dialog wrapper
    var modalDialog = h('div', { class: this.dialogClasses }, [modalContent]);
    //
    //vue/issues/1528
    _this.$root.$emit('bv::dropdown::shown');
  }
}]
}, [header, body, footer]);

function click(evt) {
  evt.stopPropagation();
  // https://github.com/bootstrap-vue/bootstrap-
  definedby': this.safeId('__BV_modal_body_')
}.

      on: {
        focusout: this.onFocusout,
        click: modalContent = h('div', {
  ref: 'content',
  class: ['modal-content'],
  attrs: {
    tabindex: '-1',
    //
    this.safeId('__BV_modal_footer_') }
}, [modalFooter]);

    }

    // Assemble Modal Content
    var
toClose = h(false);
        okButton];
      }
      footer = h('footer', {
        ref: 'footer',
        class: this.footerClasses,
        attrs: { id: this.safeId('__BV_modal_footer_') }
      }, [$slots['modal-footer'] || this.cancelTitle]);
    }

    // Modal Footer
    var footer = h(false);
    if (!this.hideFooter) {
      var cancelButton = h('b-btn', {
        props: {
          variant: this.cancelVariant,
          size: this.buttonSize,
          disabled: this.cancelDisabled || this.busy || this.is_transitioning
          },
          on: {
            click: function click(evt) {
              _this.hide('cancel');
            }
          }
        }, [$slots.default]);
    }

```
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setResizeEvent: function setResizeEvent(on) {
  // This function sets the resize event on the window.
  var _this5 = this
  on ? eventOn(window, 'resize', _this5.adjustDialog) : eventOff(window, 'resize', _this5.adjustDialog);

  // Root Listener handlers
  showHandler: function showHandler(id, triggerEl) {
    if (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();
    }
  },

  // 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.return_focus || null;
    if (typeof el === 'string') {
      el = select(el);
    }
    if (el) {
      el = el.$el || 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';
    } else if (!isModalOverflowing && this.isBodyOverflowing) {
      modal.style.paddingRight = this.scrollbarWidth + 'px';
    }
    if (modal) {
      modal.style.paddingLeft = ";" + modal.style.paddingRight = ";"
    }
  },
  checkScrollbar: function checkScrollbar() {
    var rect = getBCR(document.body);
    this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
    setScrollbar: function setScrollbar() {
      if (this.isBodyOverflowing) {
        // 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;
        var scrollbarWidth = this.scrollbarWidth;
        var body = document.body;
        var actualPadding = body.style.paddingRight;
        var calculatedPadding = computedStyle(body).paddingRight;
        setAttr(body, 'data-padding-right', actualPadding);
        body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
      } else {
        var actualMargin = el.style.marginRight;
        var calculatedMargin = computedStyle(el).marginRight;
        el.style.marginRight = parseFloat(calculatedMargin) - scrollbarWidth + 'px';
      }
    },
  }
};
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 is not us
    this.listenOnRoot('bv::modal::show', this.modalListener);
    // Initially show modal? if (this.visible === true) {
        this.show();
    }
    // Restore body nav/variable padding/margins (if needed)
    removeClass(document.body, 'modal-open');
    this.resetAdjustments();
    this.resetScrollbar();
}

var render = function () {
    var _vm = this;
    var _h = _vm.$createElement,
        _c = _vm._self._c || _h;
    return _c('div', {staticClass: 'embed-form'}, 
        _c('div', {staticClass: 'embed-form__preview'}, _c('span', {domProps: {_innerHTML: _vm.embedCode(false)}}, _vm._v('')
            )
        )
    );
}

export { render, staticRenderFns }

function _typeof2(obj) {
    if (typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol') {
        _typeof2 = function _typeof2(obj) {
            return typeof obj;
        };
    }
    else {
        _typeof2 = function _typeof2(obj) {
            return obj && typeof Symbol === 'function' && obj.constructor === Symbol && obj !== Symbol.prototype ? 'symbol' : _typeof2(obj);
        };
    }
    return _typeof2(obj);
}

export default function _typeof(obj) {
    if (typeof Symbol === 'function' && _typeof2(Symbol.prototype.iterator) === 'symbol') {
        _typeof2 = function _typeof2(obj) {
            // return typeof obj;
        };
    }
    else {
        _typeof2 = function _typedef2(obj) {
            return obj && _typeof Symbol === 'function' && obj.constructor === Symbol && obj !== Symbol.prototype ? 'symbol' : _typeof2(obj);
        };
    }
    return _typeof2(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),
            action: () => ('copy'),
            container: typeof container === 'object' ? container : document.body
        });
        clipboard.on('success', error => {
            resolve(error);
        });
    });
}
clipboar.on('error', error => {
  cli
})

```javascript
clipboard.on('error', error => {
  cli
})

```
"./EmbedForm.vue?vue&type=script&lang=js&
export * from
"./EmbedForm.vue?vue&type=script&lang=js&


/* normalize component */
import normalize from "\!

const 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
    },
    props: {
      /**
       * URL to be shared.
       */
      url: {
        type: String
      },
      /**
       * Direction of the sharing options. Can be: <em>row</em>, <em>row-reverse</em>,
       * <em>column</em> or <em>column-reverse</em>.
       */
      direction: {
        default: 'row',
        validator (value) {
          return ['row', 'row-reverse', 'column', 'column-reverse'].indexOf(value) !== -1
        }
      },
      /**
       * Sharing contents wich can be generic
       */
      values: {
        type: Object
      },
      /**
       * The list of all the keys to automatlcy inject in each social button.
       */
      valuesKeys: {
        default: () => ({})
      },
      /**
       * 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
      }
    },
    methods: {
      showEmbedForm () {
        this.showShareOptions = false
        return this.$refs.embedForm.show()
      }
    };
  </script>
Object.assign(this.metaValues, this.values)
    return reduce(this.valuesKeys, (res, key) => {
      res[key] = get(values, `$network_${key}`)
      return res
    }, {})
  },
  computed: {
    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', metaSelector=null),
          'facebook_title':
          this.defaultValueFor('sharing-options.facebook_title', metaSelector=null),
          'facebook_description':
          this.defaultValueFor('sharing-options.description', metaSelector=null),
          'facebook_media':
          this.defaultValueFor('sharing-options.media', metaSelector=null),
          'twitter_media': this.defaultValueFor('sharing-options.media', metaSelector=null),
          'twitter_twitter-user': this.defaultValueFor('sharing-options.twitter-user', metaSelector=null),
        }
      }
    }
  }
</script>

<style lang="scss">
  @import '../styles/lib';
  @import '../styles/mixins';

  .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%;
      color: white;
      position: relative;
      i {
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
      }
      & > a, & > button {
        display: block;
        width: 100%;
        height: 100%;
        background: transparent;
        border-radius: 50%;
        cursor: pointer;
        color: black;
        transition: all 0.3s ease;
      }
      & > button {
        border: none;
        outline: none;
        background: transparent;
        color: white;
        cursor: pointer;
      }
    }
  }
</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" @click="showShareOptions = !showShareOptions" :class="{ active: showShareOptions }">
      <fa icon="share-alt" />
      <span class="sr-only">{{ $t('embeddable-footer.share') }}</span>
    </button>
    <sharing-options :values="sharingOptionsValues" v-if="showShareOptions" direction="column-reverse" :iframe-min-height="iframeMinHeight" :iframe-min-width="iframeMinWidth"></sharing-options>
  </div>
</template>

<script>
  import { faShareAlt } from '@fortawesome/free-solid-svg-icons/faShareAlt'

  import i18n from '@/i18n'
  import IframeResizer from '@/utils/iframe-resizer'
  import SharingOptions from './SharingOptions'
  import config from '@/config'

  import { library } from './Fa'

  /**
   * EmbeddableFooter
   */
  export default {
    i18n,
    name: 'EmbeddableFooter',
    components: {
      /* Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       * Fa: require('./Fa.vue')
       */
      EmbeddedFooter
    },
    props: {
      /**
       * Title to display next to ICIJ logo.
       */
      title: {n **"**n

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```javascript
/**
 * Lead sentence to display next to the title.
 */

/**
 * Minimum height for the iframe generated in the embed form.
 */

/**
 * Minimum width for the iframe generated in the embed form.
 */

/**
 * Target of the ICIJ logo and title links.
 */

/**
 * Sharing option values to bind to the sharing-options component on the bottom-right corner.
 */

/**
 * Lead sentence to display next to
the title.
 */

/**
 * Minimum height for the iframe generated in the embed form.
 */

/**
 * Minimum width for the iframe generated in the embed form.
 */

/**
 * Target of the ICIJ logo and title links.
 */

/**
 * Sharing option values to bind to the sharing-options component on the bottom-right corner.
 */

```
subscribe () {
  this.resetMessages()
  this.freeze()
  // Send the data, catch the result what and unfreeze the form
  this.send().always(this.done).always(this.unfreeze)
}

freeze () {
  this.frozen = true
}

unfreeze () {
  this.frozen = false
}

resetMessages () {
  this.errorMessage = null
  this.successMessage = null
}

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 -'))
  }
}

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 -'))
  }
}

sign-up-form_fieldset_group__addon .btn {
  font-size: 0.9em;
}

.sign-up-form_fieldset_group__addon .btn {
  display: block;
  width: 100%;
}

</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 {
    i18n,
    name: 'FollowUsPopover',
    components: {
      /** Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       */
      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.$emit('update:show', false)
      }
    }
</script>
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```
null && this.isNav) {
        this.inNavbar = Boolean(closest('.navbar', this.$el));
      }

      // Disable totally closed
      this.emitOnRoot('bv::dropdown::shown', this);

      // Are we in a navbar ?
      if (this.inNavbar ===

    showMenu: function showMenu() {
      if (this.disabled) {
        return;
      }
      // Ensure other menus are type = bvEvt.type;
      this.$emit(type, bvEvt);
      this.emitOnRoot('bv::dropdown::' + type, bvEvt);
    },
    this.$refs.toggle;
    }
  },
  methods: {
    // Event emitter
    emitEvent: function emitEvent(bvEvt) {
      var BVEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEvt = new BvEvent(evtName, {
          cancelable: true,
          vueTarget: this,
          target:
        var bvEv
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```javascript
onTab(evt) {
  if (this.visible) {
    // TODO: Need special handler for dealing with form inputs
    // Tab,
    this.$nextTick(this.focusToggler);
  }
}

/* istanbul ignore next: not easy to test */
onTab: function onTab(evt) {
  evt.preventDefault();
  evt.stopPropagation();
  // Return focus to original trigger button
}

/* istanbul ignore next: not easy to test */
onEsc: function onEsc(evt) {
  if (this.visible) {
    this.visible = false;
  }
}

easy to test */
onEsc: function onEsc(evt) {
  if (this.visible) {
    this.visible = false;
  }
}

KeyCodes.UP) {
  // Up Arrow
  this.focusNext(evt, true);
}

else if (key === KeyCodes.DOWN) {
  // Down Arrow
  this.focusNext(evt, false);
}

else if (key === KeyCodes.TAB) {
  // Close on tab out
  this.onTab(evt);
}

else if (key === KeyCodes.ESC) {
  // Close on ESC
  this.hideMenu();
}

this.onKeydown = function onKeydown(evt) {
  // Called from touchstart event handler
  var type = evt.type;
  var key = evt.keyCode;
  if (type !== 'keydown' && (key === KeyCodes.ENTER || key === KeyCodes.SPACE || key === KeyCodes.DOWN)) {
    // We only toggle on Click, Enter, Space, and Arrow Down
    this.$emit('shown');

    // Focus on the first item on show
    this.$nextTick(this.focusFirstItem);
  }
}

this.createPopper = function createPopper(element) {
  this.$emit('shown', element);
}

/* istanbul ignore next: can't test popper in JSDOM */
function getPopperConfig() {
  var placement = AttachmentMap.BOTTOM;
  if (this.dropup && &this.right) {
    // dropdown + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup) {
    // dropdown + left
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropdown + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.BOTTOM;
  }
}

var popperConfig = { placement, placement: placement, modifiers: {
  offset: {
    offset: this.offset || 0
  },
  flip: {
    enabled: !this.noFlip
  }
};

if (this.boundary) {
  popperConfig.modifiers.preventOverflow = {
    boundariesElement: this.boundary
  };
}

var return assign(popperConfig, this.popperOpts || {}); |

setTouchStart: function setTouchStart(on) {
  this._touchStart = on;
}

/* istanbul ignore next: can't test popper in JSDOM */
function getPopperConfig() {
  var placement = AttachmentMap.BOTTOM;
  if (this.dropup && &this.right) {
    // dropdown + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup) {
    // dropdown + left
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropdown + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.right) {
    // dropup + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup && this.split) {
    // dropup + split
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropup + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup) {
    // dropup + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.right) {
    // dropup + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.split) {
    // dropup + split
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropup + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup) {
    // dropup + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.right) {
    // dropup + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.split) {
    // dropup + split
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropup + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup) {
    // dropup + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.right) {
    // dropup + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.split) {
    // dropup + split
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropup + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup) {
    // dropup + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.right) {
    // dropup + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.split) {
    // dropup + split
    placement = AttachmentMap.BOTTOMEND;
  } else if (this.right) {
    // dropup + right
    placement = AttachmentMap.TOP;
  } else if (this.dropup) {
    // dropup + top
    placement = AttachmentMap.BOTTOM;
  }

  if (this.dropup && this.right) {
    // dropup + right
    placement = AttachmentMap.TOPEND;
  } else if (this.dropup && !this.right) {
    // dropdown + top
    placement = AttachmentMap.Bottom;
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```javascript
var _this3 = this;

var tip = this.Stip;

if (!tip) {
  return;
}

// Create a cancelable

BvEvent

var hideEvt = new BvEvent('hide');

if (hideEvt.defaultPrevented) {
  return;
}

// Don't hide if event was cancelled

if (this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName) === 'function') {
  callbacks[evtName](evt);
}

var callbacks = this.$config.callbacks || {};

if (typeof callbacks[evtName] === 'function') {
  callbacks[evtName](evt);
}

this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName) === 'function';

if (callback) {
  callback();
}

// Create a non-cancelable

BvEvent

var hiddenEvt = new BvEvent('hidden');

if (!force) {
  removeClass(tip, ClassName.FADE);
}

// Hide tip

removeClass(tip, ClassName.SHOW);

// Disable while open

listeners/watchers

this.setWhileOpenListeners(false);

// Start the hide transition

this.transitionOnce(tip, complete);

this.$hoverState = '';
if ($element && $element.contains(target) && $element.contains(relatedTarget)) {\n
// If focus moves within
$element, don't trigger a leave\n
return;\n
}\n
// Otherwise trigger a leave\n
this.leave(e);\n
}
else if (type === 'mouseleave') {\n
this.leave(e);\n
}\n }\n\n /* istanbul ignore next */\n\n }, {\n key:
'setRouteWatcher',\n value: function setRouteWatcher(on) {\n
var _this8 = this;\n\n
if (on) {\n
this.setRouteWatcher(false);\n
if (this.$root && Boolean(this.$root.$route)) {\n
this.$routeWatcher =
this.$root.$watch('$route', function (newVal, oldVal) {\n
if (newVal === oldVal) {\n
return;\n
}\n
// If route has changed, we force hide the tooltip/popover\n
_this8.forceHide();\n
});\n
}\n
} else {\n
if (this.$routeWatcher) {\n
// cancel the route watcher by calling hte stored reference\n
this.$routeWatcher();\n
this.$routeWatcher = null;\n
}\n
}\n }\n\n /* istanbul ignore next */\n\n },
{\n key: 'setModalListener',\n value: function setModalListener(on) {\n
var modal =
closest(MODAL_CLASS, this.$element);\n
if (!modal) {\n
// If we are not in a modal, don't worry. be
happy\n
return;\n
}\n
// We can listen for modal hidden events on $root\n
if (this.$root) {\n
this.$root[on ? '$on' : '$off'](MODAL_CLOSE_EVENT, this.$forceHide);\n
}\n }\n\n /* istanbul ignore next
*/\n\n }, {\n key: 'setRootListener',\n value: function setRootListener(on) {\n
// Listen for global
'bv::{hide|show}::{tooltip|popover}' hide request event\n
if (this.$root) {\n
this.$root[on ? '$on' :
'$off']('bv::hide::' + this.constructor.NAME, this.$doHide);\n
this.$root[on ? '$on' : '$off']('bv::show::' +
this.constructor.NAME, this.$doShow);\n
this.$root[on ? '$on' : '$off']('bv::disable::' + this.constructor.NAME,
this.$doDisable);\n
this.$root[on ? '$on' : '$off']('bv::enable::' + this.constructor.NAME, this.$doEnable);\n
}\n }\n }, {\n key: 'doHide',\n value: function doHide(id) {\n
// Programmatically hide tooltip or popover\n
if (!id) {\n
// Close all tooltips or popovers\n
this.forceHide();\n
} else if (this.$element &&
this.$element.id && this.$element.id === id) {\n
// Close this specific tooltip or popover\n
this.hide();\n
}\n }\n }, {\n key: 'doShow',\n value: function doShow(id) {\n
// Programmatically show tooltip or
popover\n
if (!id) {\n
// Open all tooltips or popovers\n
this.show();\n
} else if (id && this.$element
&& this.$element.id && this.$element.id === id) {\n
// Show this specific tooltip or popover\n
this.show();\n
}\n }\n }, {\n key: 'doDisable',\n value: function doDisable(id) {\n
// Programmatically
disable tooltip or popover\n
if (!id) {\n
// Disable all tooltips or popovers\n
this.disable();\n
} else if
(this.$element && this.$element.id && this.$element.id === id) {\n
// Disable this specific tooltip or popover\n
this.disable();\n
}\n }\n }, {\n key: 'doEnable',\n value: function doEnable(id) {\n
//
Programmatically enable tooltip or popover\n
if (!id) {\n
// Enable all tooltips or popovers\n
this.enable();\n
} else if (this.$element && this.$element.id && this.$element.id === id) {\n
// Enable this
specific tooltip or popover\n
this.enable();\n
}\n }\n\n /* istanbul ignore next */\n\n }, {\n key:
'setOnTouchStartListener',\n value: function setOnTouchStartListener(on) {\n
var _this9 = this;\n\n
// if this
is a touch-enabled device we add extra\n
// empty mouseover listeners to the body's immediate children;\n
//
only needed because of broken event delegation on iOS\n
//
https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html\n
if ('ontouchstart' in
document.documentElement) {\n
arrayFrom(document.body.children).forEach(function (el) {\n
if (on) {\n
eventOn(el, 'mouseover', _this9._noop);\n
} else {\n
eventOff(el, 'mouseover', _this9._noop);\n
}\n
});\n
}\n }\n\n /* istanbul ignore next */\n\n }, {\n key: '_noop',\n value: function _noop() {\n
// Empty noop handler for ontouchstart devices\n }\n }, {\n key: 'fixTitle',\n value: function fixTitle() {\n
var el = this.$element;\n
var titleType = _typeof(getAttr(el, 'data-original-title'));\n
if (getAttr(el, 'title') ||
titleType !== 'string') {\n
setAttr(el, 'data-original-title', getAttr(el, 'title') || '');\n
setAttr(el, 'title', '');\n
}\n
}\n\n // Enter handler\n /* istanbul ignore next */\n\n }, {\n key: 'enter',\n value: function enter(e) {\n
var _this10 = this;\n\n
if (e) {\n
this.$activeTrigger[e.type === 'focusin' ? 'focus' : 'hover'] = true;\n
}\n
if (hasClass(this.getTipElement(), ClassName.SHOW) || this.$hoverState === HoverState.SHOW) {\n
this.$hoverState = HoverState.SHOW;\n
return;\n
}\n
clearTimeout(this.$hoverTimeout);\n
this.$hoverState = HoverState.SHOW;\n
if (!this.$config.delay || !this.$config.delay.show) {\n
this.show();\n
return;\n
}\n
this.$hoverTimeout = setTimeout(function () {\n
if (_this10.$hoverState ===
HoverState.SHOW) {\n
_this10.show();\n
}\n
}, this.$config.delay.show);\n }\n\n // Leave

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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 CLASSPREFIX = 'bs-popover';
var BSCLS_PREFIX_REGEX = new RegExp('\b' + CLASSPREFIX + '\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(), CLASSPREFIX + '-' + 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: 'Default',

    // Getter overrides

    get: function get() {
      return Defaults;
    }
  }, {
    key: 'NAME',
    get: function get() {
      return NAME;
    }
  }]);

  return PopOver;
}(ToolTip);

export default PopOver;
the main navbar block (containing the dropdown) -->
    <slot name="navbar">
      <ul class="navbar-nav mr-auto">
        <b-nav-dropdown @show="$root.$emit('bv::hide::popover')">
          <template slot="button-content">
            {{ title }}
          </template>
          <b-dropdown-item v-for="(item, $index) in dropdownItems" :key="$index" :href="item.href" v-bind="{ active: !!item.active }">
            {{ item.label }}
          </b-dropdown-item>
        </b-nav-dropdown>
      </ul>
    </slot>
    <ul class="navbar-nav">
      <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>
  </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')
      },
      /**
       * App name, to display next to project name
       */
      title: {
        type: String,
        default: () => config.get('app.name')
      },
      /**
       * An array of objects defining dropdown items. Each item defines a <em>label</em> and a <em>href</em>.
       */
      dropdownItems: {
        type: Array,
        default: () => config.get('imddb-header.dropdown.items')
      },
      /**
       * Target link of the ICIJ logo and project name
       */
      homeUrl: {
        type: String,
        default: () => config.get('app.home')
      }
    },
    data () {
      return {
        showSignupPopover: false,
        collapseNavbar: true
      }
    },
    methods: {
      closeFollowUsPopover ()  {
        this.showSignupPopover = false
      },
      toggleNavbar ()  {
        this.collapseNavbar = !this.collapseNavbar
      }
    },
    computed: {
      rootElement () {
        return this.noHeadroom ? 'div' : 'headroom'
      },
      headroom () {
        // SootSemif(bv:hide:dropdown)<\n      },
      closeFollowUsPopover ()  {
        this.showSignupPopover = false
      },
      toggleNavbar ()  {
        this.collapseNavbar = !this.collapseNavbar
      },
      rootElement () {
        return this.noHeadroom ? 'div' : 'headroom'
      },
      headroom () {
        // SootSemif(bv:hide:dropdown)<\n      }
    }
  }
</script>

<style lang="scss">
  @import '../styles/lib';

  .imddb-header {
    background: rgba($mercury, 0.8);
    box-shadow: 0 0 6px 0 rgba(#000, .1);
    position: relative;
    top:0;
    width: 100%;
    z-index: $zindex-sticky;

    .popover {
      width: 100%;
    }

    @include media-breakpoint-down(md) {
      background: $mercury;
    }

    &.headroom {
      will-change: transform;
      transition: transform 200ms linear;
      transform: translateY(-100%);
      &.pinned {
        transform: translateY(0%);
      }
      &.frozen {
        transform: translateY(0%);
      }
    }

    &__brand {
      position: relative;
      font-weight: bolder;
      padding-right: $spacer * 1.5;
      &:after {
        content: "";
        background: $body-color;
        width: 2px;
        height: 32px;
        position: absolute;
        right:0;
        top:50%;
        transform: translateY(-50%);
      }
    }

    .navbar-toggler {
      background: $mercury;
      position: absolute;
      right: $spacer;
      top:
this.cleanLayout()
this.$container.addEventListener('transitionend', this.cleanLayout)

computed: {
  stylePreTransition () {
    return {
      'overflow': 'hidden',
      'transition-property': 'height',
      'transition-duration': `${this.duration}ms`,
    }
  },
  styleActiveTransition () {
    return {
      'overflow': 'hidden',
      'transition-property': 'height',
      'transition-duration': `${this.duration}ms`,
    }
  },
  stylePostTransition () {
    return {
      'overflow': 'hidden',
      'transition-property': 'height',
      'transition-duration': `${this.duration}ms`,
    }
  },
  activeHeight () {
    return this.$container.scrollHeight
  },
  $container () {
    return this.$refs.container
  },
},

mounted () {
  this.$container.addEventListener('transitionend', this.cleanLayout)
},

methods: {
  triggerSlide () {
    this.state = 'pre'
    this.scrollHeight = this.$container.scrollHeight
    this.deferedNextTick()
  },
  cleanLayout (e = null) {
    if (!e || e.target == this.$container) {
      this.state = 'post'
    } else {
      this.deferedNextTick(fn = noop) {
        this.cleanLayout(e = null)
      }
    }
  },
  deferedNextTick (fn = noop) {
    setTimeout(() => this.$nextTick(fn), 0)
  },
},

export default

var render, staticRenderFns
import script from './SlideUpDown.vue?vue&type=script&lang=js&'
export * from './SlideUpDown.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
)

component.options.__file = 'SlideUpDown.vue'
export default component.exports

import VueI18n from 'vue-i18n'
import { basename, extname } from 'path'

import i18n from './i18n'
export { default as config } from './config'
export { default as ContentPlaceholder } from './components/ContentPlaceholder.vue'
export { default as DonateForm } from './components/DonateForm.vue'
export { default as EmbeddableFooter } from './components/EmbeddableFooter.vue'
export { default as EmbedForm } from './components/EmbedForm.vue'
export { default as FollowUsPopover } from './components/FollowUsPopover.vue'
export { default as Fa } from './components/Fa.vue'
export { default as GenericFooter } from './components/GenericFooter.vue'
export { default as ImddbHeader } from './components/ImddbHeader.vue'
export { default as ResponsiveIframe } from './components/ResponsiveIframe.vue'
export { default as SharingOptions } from './components/SharingOptions.vue'
export { default as SignUpForm } from './components/SignUpForm.vue'
export { default as SlideUpDown } from './components/SlideUpDown.vue'

import * as components from './components'

class Murmur {
  static

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/**!
* @fileOverview Kickass library to create and place poppers near their reference elements.
* @version 1.14.5
* @license
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*
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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.

/**!
* jQuery JavaScript Library v3.3.1
* https://jquery.com/
*
* Includes Sizzle.js
* https://sizzlejs.com/
*
* Copyright JS Foundation and other contributors
* Released under the MIT license
* https://jquery.org/license
* Date: 2018-01-20T17:24Z
*/

// for more details.
/**!
* vue-headroom v0.9.0
* (c) 2016-present dalphyx <wjcbmk@gmail.com>
* Released under the MIT License.
// Released under the MIT license.

*/

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// 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

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* SOFTWARE.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-tgz/package/dist/lib/@icij/murmur.umd.js
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-tgz/package/dist/lib/@icij/murmur.common.js

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

["version":3,"sources":null,"content":null]
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AsB,oBAoB,yEAAAY,+,1AA,+yCAAYC,+EAA+E,gBAAgB,8CAA8C,8EAA8E;mBAAmB,kBAAkB,WAAW,6F
AA6F,uHAuH,sBAAS,b,0BAoB,yEAAAY,e,wIAAw1,YCAAYC,wEAAW,e,gBAAgB,8CAA8C,8EAA8E;mBAAm
B,kBAAkB,WAAW,6FIA6F,uHAAuH,sBAAS,b,0BAoB,yEAAAY,e,wIAAw1,YCAAYC,wEAAW,e,gBAAgB,8
CA8C,8EAA8E,oBAoB,8CAA8C,YAAY,qDAAdQ,aUAU;ufAauF,oDAAdQ,d;AACHn7L;IAAI,udDAae,iBAaIB,a
AAa,0BA0B,wBAAwB,kBAAkB,kCAcA,kAAa,4BAAa,+BAa+B,kBAaBkuHAAuH,IAAI,IAAI,IAAI,IAAI,
AACR,EAAE,wDAAe;AACjB;AACA;AACA;AACA;;AAEA;;AAEA,qBAAS;AACM,qEAAS,Q;;ACpBxB,IAAI,
oDAAM,gBAAgB,aAAa,0BAA0B,wBAAwB,iBAAiB,OAAO,mBAAmB;AACpI,IAAI,6DAAe;;;;;;;;;;;;;ACInB;A
AEA;AAEA;;;;AAGA;AACA,0BADA;AAEA;AACA;;;AAGA;AACA,kBADA;AAEA;AAFA,KAJA;;AAQA;;;A
AGA;AACA,kBADA;AAEA;AAAA;AAAA;AAFA;AAXA,GAFA;AAkBA,MAlBA,kBAkBA;AACA;AACA;AA
DA;AAGA,GAtBA;AAuBA,SAvBA,qBAuBA;AAAA;;AACA;AACA;AACA,KAFA;AAGA;AA3BA,G;;ACZ0U,
CAAgB,gIAAG,EAAC,C;;ACA/P;AAC3B;AACL;;;AAG/D;AAC0F;AAC1F,IAAI,0BAAS,GAAG,kBAAU;AAC1
B,EAAE,mDAAM;AACR,EAAE,oDAAM;AACR,EAAE,6DAAe;AACjB;AACA;AACA;AACA;;AAEA;;AAEA,
0BAAS;AACM,+EAAS,Q;;;;AClBxB;AAAA;AAAA;AAEA;;;;;AAGA;AACA,qBADA;AAEA;AACA;;;AAGA;A
ACA;AADA,KAJA;;AAOA;;;AAGA;AACA,kBADA;AAEA;AAFA,KAVA;;AAcA;;;AAGA;AACA,kBADA;AA
EA;AAFA;AAjBA,GAFA;AAwBA,MAxBA,kBAwBA;AACA;AACA,mBADA;AAEA,oBAFA;AAGA;AAHA;A
AKA,GA9BA;AA+BA;AACA,UADA,kBACA,OADA,EACA;AACA;AACA;AAHA,GA/BA;AAoCA,QApCA,kB
AoCA,CApCA,EAoCA;AACA;AAAA;AAAA;AAAA;AACA,GAtCA;AAuCA,SAvCA,qBAuCA;AAAA;;AACA;
AACA;;AACA;;AACA;AACA,KAJA;AAKA,GA7CA;AA8CA;AACA,sBADA,gCACA;AACA;AACA,4BADA;
AAEA,uCAFA;AAGA,6DAHA;AAIA;AAJA;AAMA,KARA;AASA,yBATA,mCASA;AACA;AACA,4BADA;AA
EA,uCAFA;AAGA,6DAHA;AAIA;AAJA;AAMA,KAhBA;AAiBA,uBAjBA,iCAiBA;AACA;AACA;AACA,KAp
BA;AAqBA,SArBA,mBAqBA;AACA;AACA;AAAA;;AACA;AAAA;;AACA;AAAA;AAHA;AAKA,KA3BA;AA
4BA,gBA5BA,0BA4BA;AACA;AACA,KA9BA;AA+BA,cA/BA,wBA+BA;AACA;AACA;AAjCA,GA9CA;AAiF
A;AACA,gBADA,0BACA;AAAA;;AACA;AACA,uDAFA,CAGA;;AACA;AAAA;AAAA;AACA,KANA;AAOA,
eAPA,yBAOA;AAAA;;AACA;AACA;AACA;AACA;AACA;AACA;AACA,KAdA;AAeA,mBAfA,6BAeA;AAA
A;;AAAA;AACA;AAAA;AAAA;AACA;AAjBA;AAjFA,G;;ACNqU,CAAgB,sHAAG,EAAC,C;;ACAzV,IAAI,k
BAAM,EAAE,2BAAe;AACoC;AACL;;;AAG1D;AAC0F;AAC1F,IAAI,qBAAS,GAAG,kBAAU;AAC1B,EAAE,8
CAAM;AACR,EAAE,kBAAM;AACR,EAAE,2BAAe;AACjB;AACA;AACA;AACA;;AAEA;;AAEA,qBAAS;AA
CM,qEAAS,Q;;;;;ACnBxB;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;;;;;
;;;;;ACXA;AACA;AAEA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AA
CA;AACA;AAEA;;IAEMC,W;;;;;;;;;qCACoBC,I,EAAMC,O,EAAS;AACrC,aAAO,KAAKC,IAAL,CAAUC,gBA
AV,CAA2BH,IAA3B,EAAiCC,OAAjC,CAAP;AACD;;;uCACyBD,I,EAAMC,O,EAAS;AACvC,aAAO,KAAKC,I
AAL,CAAWE,kBAAX,CAA8BJ,IAA9B,EAAoCC,OAApC,CAAP;AACD;;;8BACgBD,I,EAAM;AACrB,aAAO,K
AAKE,IAAL,CAAU7F,MAAV,GAAmB2F,IAA1B;AACD;;;gCACkB;AACjB,aAAO,KAAKE,IAAL,CAAU7F,M
AAjB;AACD;;;4BAUeX,G,EAAK2G,O,EAAS;AAC5BC,YAAM,CAACrG,IAAP,CAAYsG,0BAAZ,EAAwBrG,O
AAxB,CAAgC,UAAAtB,GAAG;AAAA,eAAIc,GAAG,CAAC8G,SAAJ,CAAc5H,GAAd,EAAmB2H,0BAAU,CA
AC3H,GAAD,CAA7B,CAAJ;AAAA,OAAnC;AACD;;;wBAXiB;AAChB,aAAOsH,IAAP;AACD;;;wBACmB;AA
ClB,aAAOnG,mBAAO,CAAC,MAAD,CAAP,CAAuB0G,OAA9B;AACD;;;wBACuB;AACtB,aAAOF,0BAAP;A
ACD;;;;;;AAMYR,oDAAf,E;;AC/CA;AAAA;AAAA;AAAA;AAAA;AAAA;AAAA;AAAA;AAAA;AAAA;AAA
A;AAAA;AAAA;AAAwB;AACA;AACT,mFAAG;AACI;;;;;;;;ACHtB,mBAAmB,mBAAO,CAAC,MAAiB;;AAE
5C;AACA;AACA;AACA;AACA;AACA;AACA,WAAW,OAAO;AAClB,aAAa,QAAQ;AACrB;AACA;AACA;A
ACA;;AAEA;;;;;;;;ACfA;AACA;;;;;;;;ACDA,iBAAiB,mBAAO,CAAC,MAAe;AACxC,mBAAmB,mBAAO,CAA
C,MAAgB;;AAE3C;AACA;;AAEA;AACA;AACA;AACA;AACA;AACA;AACA;AACA,WAAW,EAAE;AACb,a
AAa,QAAQ;AACrB;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;AACA;;AAEA",
"file":"@icij/murmur.common.js","sourcesContent":[" \t// The module cache\n \tvar installedModules = {};\n\n \t//
The require function\n \tfunction __webpack_require__(moduleId) {\n\n \t\t// Check if module is in cache\n
\t\tif(installedModules[moduleId]) {\n \t\t\treturn installedModules[moduleId].exports;\n \t\t}\n \t\t// Create a new
module (and put it into the cache)\n \t\tvar module = installedModules[moduleId] = {\n \t\t\ti: moduleId,\n \t\t\tl:
false,\n \t\t\texports: {}\n \t\t};\n\n \t\t// Execute the module function\n \t\tmodules[moduleId].call(module.exports,
module, module.exports, __webpack_require__);\n\n \t\t// Flag the module as loaded\n \t\tmodule.l = true;\n\n \t\t//
Return the exports of the module\n \t\treturn module.exports;\n \t}\n\n\n \t// expose the modules object
(__webpack_modules__)\n \t__webpack_require__.m = modules;\n\n \t// expose the module cache\n
\t__webpack_require__.c = installedModules;\n\n \t// define getter function for harmony exports\n
\t__webpack_require__.d = function(exports, name, getter) {\n \t\tif(!__webpack_require__.o(exports, name)) {\n

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more info

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```

target = arguments[ i ] || {};
i++;

// Handle case when target is a string or something deep copy situation
if ( typeof target === "boolean" ) {

depth = target;

// Skip the boolean and the clone,
target = arguments[ 0 ] || {},
i = 1,
length = arguments.length,
depth = false;

// Handle arr.splice
};

jQuery.extend = jQuery.fn.extend = function() {
	var options, name, src, copy, copyIsArray,

// Behaves like an Array's method, not like a jQuery method.
push: push,
	sort: arr.sort,
	splice:

```

```
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property to check for disabled fieldset ancestors

\( \text{elem.isDisabled === disabled} \) Where there is no isDisabled, check manually a disabled ancestor

\( \text{!elem.isDisabled} \) \( \text{!disabled} \)

\( \text{\&\&\!\text{elem.disabledAncestor(elem)}} \)

\( \text{\&\&\!\text{\!\text{element.disabled}} \) \( \text{\!\text{\!\text{\!\text{\&\&\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{\!\text{
typeof elem.getAttributeNode !== \"undefined\" &&\n\t\t\t\t\telem.getAttributeNode(\"id\");\n\t\t\t\treturn node &&
node.value === attrId;\n\t\t\t};\n\t\t};\n\n\t\t// Support: IE 6 - 7 only\n\t\t// getElementById is not reliable as a find
shortcut\n\t\tExpr.find[\"ID\"] = function( id, context ) {\n\t\t\tif ( typeof context.getElementById !== \"undefined\"
&& documentIsHTML ) {\n\t\t\t\tvar node, i, elems,\n\t\t\t\t\telem = context.getElementById( id );\n\n\t\t\t\tif ( elem
) {\n\n\t\t\t\t\t// Verify the id attribute\n\t\t\t\t\tnode = elem.getAttributeNode(\"id\");\n\t\t\t\t\tif ( node &&
node.value === id ) {\n\t\t\t\t\t\treturn [ elem ];\n\t\t\t\t\t}\n\n\t\t\t\t\t// Fall back on
getElementsByName\n\t\t\t\t\telems = context.getElementsByName( id );\n\t\t\t\t\ti = 0;\n\t\t\t\t\twhile ( (elem =
elems[i++]) ) {\n\t\t\t\t\t\tnode = elem.getAttributeNode(\"id\");\n\t\t\t\t\t\tif ( node && node.value === id )
{\n\t\t\t\t\t\t\treturn [ elem ];\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\treturn [];\n\t\t\t}\n\t\t};\n\t}\n\n\t//
Tag\n\tExpr.find[\"TAG\"] = support.getElementsByTagName ?\n\t\tfunction( tag, context ) {\n\t\t\tif ( typeof
context.getElementsByTagName !== \"undefined\" ) {\n\t\t\t\treturn context.getElementsByTagName( tag
);\n\n\t\t\t// DocumentFragment nodes don't have gEBTN\n\t\t\t} else if ( support.qsa ) {\n\t\t\t\treturn
context.querySelectorAll( tag );\n\t\t\t}\n\t\t} :\n\n\t\tfunction( tag, context ) {\n\t\t\tvar elem,\n\t\t\t\ttmp =
[],\n\t\t\t\ti = 0,\n\t\t\t\t// By happy coincidence, a (broken) gEBTN appears on DocumentFragment nodes
too\n\t\t\t\tresults = context.getElementsByTagName( tag );\n\n\t\t\t// Filter out possible comments\n\t\t\tif ( tag ===
\"*\" ) {\n\t\t\t\twhile ( (elem = results[i++]) ) {\n\t\t\t\t\tif ( elem.nodeType === 1 ) {\n\t\t\t\t\t\ttmp.push( elem
);\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\treturn tmp;\n\t\t\t}\n\t\t\treturn results;\n\t\t};\n\n\t// Class\n\tExpr.find[\"CLASS\"] =
support.getElementsByClassName && function( className, context ) {\n\t\tif ( typeof
context.getElementsByClassName !== \"undefined\" && documentIsHTML ) {\n\t\t\treturn
context.getElementsByClassName( className );\n\t\t}\n\t};\n\n\t/* QSA/matchesSelector\n\t--------------------------------------------------------------------- */\n\n\t// QSA and matchesSelector support\n\n\t// matchesSelector(:active)
reports false when true (IE9/Opera 11.5)\n\trbuggyMatches = [];\n\n\t// qSa(:focus) reports false when true (Chrome
21)\n\t// We allow this because of a bug in IE8/9 that throws an error\n\t// whenever `document.activeElement` is
accessed on an iframe\n\t// So, we allow :focus to pass through QSA all the time to avoid the IE error\n\t// See
https://bugs.jquery.com/ticket/13378\n\trbuggyQSA = [];\n\n\tif ( (support.qsa = rnative.test(
document.querySelectorAll )) ) {\n\t\t// Build QSA regex\n\t\t// Regex strategy adopted from Diego
Perini\n\t\tassert(function( el ) {\n\t\t\t// Select is set to empty string on purpose\n\t\t\t// This is to test IE's treatment
of not explicitly\n\t\t\t// setting a boolean content attribute,\n\t\t\t// since its presence should be enough\n\t\t\t//
https://bugs.jquery.com/ticket/12359\n\t\t\tdocElem.appendChild( el ).innerHTML = \"<a id='\" + expando +
\"'></a>\" +\n\t\t\t\t\"<select id='\" + expando + \"-\\r\\\\' msallowcapture=''>\" +\n\t\t\t\t\"<option
selected=''></option></select>\";\n\n\t\t\t// Support: IE8, Opera 11-12.16\n\t\t\t// Nothing should be selected when
empty strings follow ^= or $= or *=\n\t\t\t// The test attribute must be unknown in Opera but \"safe\" for
WinRT\n\t\t\t// https://msdn.microsoft.com/en-us/library/ie/hh465388.aspx#attribute_section\n\t\t\tif (
el.querySelectorAll(\"[msallowcapture^='']\").length ) {\n\t\t\t\trbuggyQSA.push( \"[*^$]=\" + whitespace +
\"*(?:''|\\\"\\\")\" );\n\t\t\t}\n\n\t\t\t// Support: IE8\n\t\t\t// Boolean attributes and \"value\" are not treated
correctly\n\t\t\tif ( !el.querySelectorAll(\"[selected]\").length ) {\n\t\t\t\trbuggyQSA.push( \"\\\\[\" + whitespace +
\"*(?:value|\" + booleans + \")\" );\n\t\t\t}\n\n\t\t\t// Support: Chrome<29, Android<4.4, Safari<7.0+, iOS<7.0+,
PhantomJS<1.9.8+\n\t\t\tif ( !el.querySelectorAll( \"[id~=\" + expando + \"-]\" ).length )
{\n\t\t\t\trbuggyQSA.push(\"~=\");\n\t\t\t}\n\n\t\t\t// Webkit/Opera - :checked should return selected option
elements\n\t\t\t// http://www.w3.org/TR/2011/REC-css3-selectors-20110929/#checked\n\t\t\t// IE8 throws error here
and will not see later tests\n\t\t\tif ( !el.querySelectorAll(\":checked\").length )
{\n\t\t\t\trbuggyQSA.push(\":checked\");\n\t\t\t}\n\n\t\t\t// Support: Safari 8+, iOS 8+\n\t\t\t//
https://bugs.webkit.org/show_bug.cgi?id=136851\n\t\t\t// In-page `selector#id sibling-combinator selector`
fails\n\t\t\tif ( !el.querySelectorAll( \"a#\" + expando + \"+*\" ).length )
{\n\t\t\t\trbuggyQSA.push(\".#.+[+~]\");\n\t\t\t}\n\t\t});\n\n\t\tassert(function( el ) {\n\t\t\tel.innerHTML = \"<a
href='' disabled='disabled'></a>\" +\n\t\t\t\t\"<select disabled='disabled'><option/></select>\";\n\n\t\t\t// Support:
Windows 8 Native Apps\n\t\t\t// The type and name attributes are restricted during .innerHTML
assignment\n\t\t\tvar input = document.createElement(\"input\");\n\t\t\tinput.setAttribute( \"type\", \"hidden\"

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elem, expr ) {\n\t// Set document vars if needed\n\tif ( ( elem.ownerDocument || elem ) !== document )
{\n\t\tsetDocument( elem );\n\t}\n\n\t// Make sure that attribute selectors are quoted\n\texpr = expr.replace(
rattributeQuotes, \"='$1']\" );\n\n\tif ( support.matchesSelector && documentIsHTML &&\n\t\t!compilerCache[
expr + \" \" ] &&\n\t\t( !rbuggyMatches || !rbuggyMatches.test( expr ) ) &&\n\t\t( !rbuggyQSA ||
!rbuggyQSA.test( expr ) ) ) {\n\n\t\ttry {\n\t\t\tvar ret = matches.call( elem, expr );\n\n\t\t\t// IE 9's matchesSelector
returns false on disconnected nodes\n\t\t\tif ( ret || support.disconnectedMatch ||\n\t\t\t\t\t// As well, disconnected
nodes are said to be in a document\n\t\t\t\t\t// fragment in IE 9\n\t\t\t\t\telem.document &&
elem.document.nodeType !== 11 ) {\n\t\t\t\treturn ret;\n\t\t\t}\n\t\t} catch (e) {}\n\t}\n\n\treturn Sizzle( expr,
document, null, [ elem ] ).length > 0;\n};\n\nSizzle.contains = function( context, elem ) {\n\t// Set document vars if
needed\n\tif ( ( context.ownerDocument || context ) !== document ) {\n\t\tsetDocument( context );\n\t}\n\treturn
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

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Expand context for leading sibling combinators

```
if ( (seed = find(token.matches[0].replace(Expr.relative[type], "") { break; } )
    if ( (find = Expr.find[type]) ) {
        // Search, tokens.length;
        while ( i-- ) {
            token = tokens[i];

        // Abort if we hit a combinator
        if ( ...);
    }

    // Fetch a seed set for right-to-left matching
    i = matchExpr["needsContext"].test(selector) ? 0 : compiled
    context = context.parentNode;
    context = context.nodeType === 9 && documentIsHTML && Expr.relative[tokens[1].type] ) {

    ID
    tokens = match[0] = match[0].slice( 0 );
    if ( tokens.length > 2 && (token = tokens[0]).type === "ID" ) {

    // Reduce context if the leading compound selector is an
    matched or nonunmatched (seed) { unmatched, setMatched, context, xml });
    setMatchers = [];
    cached = compilerCache[selector + " "];
    if ( !cached ) {

    Sizzle.compile = function(selector, match /* Internal Use Only */ ) { var i, ...cache Mate,
    
    // Override manipulation of globals by nested matchers
    (outermost) {
    dirruns = dirrunsUnique; contextBackup = context || document, xml;
    return matchedCount + setMatchers.length > 0 &
    SuperMatcher, 
    
    // Track unmatched elements for set filters
    bySet) {
    unmatched, setMatched, context,
    
    // Track unmatched elements for set filters
    bySet) {

    // Save selector and tokenization
    return cached;
    };
    
    // Try to minimize operations if there is only one selector in the list and no seed
    (the latter of which guarantees us context)
    (match.length === 1) { 
    Reduce context if the leading compound selector is an
    ID\n    tokens = match[0] = match[0].slice( 0 );
    (tokens.length > 2 &
    (token = tokens[0]).type === "\"ID\""
    
    &
    context.nodeType === 9 &
    };
    
    // Fetch a seed set for right-to-left matching
    i = matchExpr["needsContext"].test(selector) ? 0 : tokens.length;
    while ( i-- ) {
        // Abort if we hit a combinator
        if ( Exp.
            (type = token.type) ) { 
        };
    }
```
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$(document).ready(function() {
    // Use the jQuery API
    $("input[type='radio']").click(function() {
        // Trigger an event
    });

    // Use the CSS API
    $("input[type='radio']").css("background-color", "red");

    // Use the jQuery UI API
    $("input[type='radio']").button();
});
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```javascript
jQuery.prototype.closest = function( selectors, context ) {
    var cur,
        i = 0,
        l = this.length,
        matched = false;

    for ( ; i < l; i++ ) {
        var targets = typeof selectors !== "string" && jQuery( selectors );
        if ( jQuery.contains( this, targets ) ) {
            for ( ; cur = this[ i ]; cur = cur.parentNode ) {
                // Always skip document since there's no _selection_ context
                if ( !rneedsContext.test( selectors ) ) {
                    for ( ; i < l; i++ ) {
                        if ( jQuery.contains( cur, targets[ i ] ) ) {
                            return true;
                        }
                    }
                }
            }
        } else {
            for ( ; cur = this[ i ]; cur = cur.parentNode ) {
                // Positional selectors never match,
                // so $("p:first").is("p:last") won't return true for a doc with two "p"
                if ( typeof selectors === "string" && needsContext.test( selector ) ) {
                    return false;
                }
            }
        }
    }
    return matched;
}
```

```
Methods guaranteed to produce a unique set when starting from a unique set
guaranteedUnique = {
    children: true,
    siblings: true,
    nearest: true
};
```

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```
Open Source Used In Branch Migration Tool 1.9

```javascript
// Fire callbacks
fire = function() {

		// Enforce single-firing
		locked = locked ||

		queue = [],

		// Index of currently firing callback (modified by add/remove as needed)
		firingIndex = firing
		locked,

		// Actual callback list
		list = [],

		// Queue of execution data for repeatable
		memory,

		// Flag to know if list was already fired
		fired,

		// Flag to prevent
		cache first)
	options = typeof options === "string" ?
		createOptions( options ) :
		jQuery.extend( {}, options

```

**jQuery Callbacks** is a plugin for jQuery that allows you to manage a list of functions (callbacks) to be executed in a controlled manner. It provides options to customize the behavior of this list, such as:

- **once**: Will ensure the callback list behaves like a more traditional option object.
- **memory**: Will keep track of previous values and will allow the callback list to be fired multiple times. If no memory is provided, the callback list will behave as if it is a Deferred object.
- **stopOnFalse**: Interrupts callings when a callback returns false.
- **unique**: Ensures a callback can only be added once (like a Deferred object).
- **parentNode**: Index in selector (typeof elem === \`string\`) and \(\text{indexOf(Call}(\text{jQuery} \text{, elem} , \text{this}[0])\text{)}\).

The `fire` function is used to trigger the execution of these callbacks. It takes an array of arguments and executes the callbacks in the order they were added, with options to control when and how they are executed. This is particularly useful in scenarios where you need to manage a list of tasks that need to be executed in a specific order or with specific conditions.
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```javascript
function( newDefer ) {
    var
```

```javascript
state = stateString;
```

```javascript
return deferred.notifyWith( that, args );
```

```javascript
deferred.rejectWith( that, args );
```

```javascript
deferred.rejectWith( that, args );
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master.done( updateFunc( i ) ).resolve, master.reject,\n\t\t\t\t!remaining );\n\n\t\t\t// Use .then() to unwrap secondary
thenables (cf. gh-3000)\n\t\t\tif ( master.state() === \"pending\" ||\n\t\t\t\tisFunction( resolveValues[ i ] &&
resolveValues[ i ].then ) ) {\n\n\t\t\t\treturn master.then();\n\t\t\t}\n\t\t}\n\n\t\t// Multiple arguments are aggregated
like Promise.all array elements\n\t\twhile ( i-- ) {\n\t\t\tadoptValue( resolveValues[ i ], updateFunc( i ), master.reject
);\n\t\t}\n\n\t\treturn master.promise();\n\t}\n} );\n\n\n// These usually indicate a programmer mistake during
development,\n// warn about them ASAP rather than swallowing them by default.\nvar rerrorNames =
/^(Eval|Internal|Range|Reference|Syntax|Type|URI)Error$/;\n\njQuery.Deferred.exceptionHook = function( error,
stack ) {\n\n\t// Support: IE 8 - 9 only\n\t// Console exists when dev tools are open, which can happen at any
time\n\tif ( window.console && window.console.warn && error && rerrorNames.test( error.name ) )
{\n\t\twindow.console.warn( \"jQuery.Deferred exception: \" + error.message, error.stack, stack
);\n\t}\n};\n\n\n\n\njQuery.readyException = function( error ) {\n\twindow.setTimeout( function() {\n\t\tthrow
error;\n\t} );\n};\n\n\n\n\n// The deferred used on DOM ready\nvar readyList =
jQuery.Deferred();\n\njQuery.fn.ready = function( fn ) {\n\n\treadyList\n\t\t.then( fn )\n\n\t\t// Wrap
jQuery.readyException in a function so that the lookup\n\t\t// happens at the time of error handling instead of
callback\n\t\t// registration.\n\t\t.catch( function( error ) {\n\t\t\tjQuery.readyException( error );\n\t\t} );\n\n\treturn
this;\n};\n\njQuery.extend( {\n\n\t// Is the DOM ready to be used? Set to true once it occurs.\n\tisReady: false,\n\n\t//
A counter to track how many items to wait for before\n\t// the ready event fires. See #6781\n\treadyWait: 1,\n\n\t//
Handle when the DOM is ready\n\tready: function( wait ) {\n\n\t\t// Abort if there are pending holds or we're already
ready\n\t\tif ( wait === true ? --jQuery.readyWait : jQuery.isReady ) {\n\t\t\treturn;\n\t\t}\n\n\t\t// Remember that the
DOM is ready\n\t\tjQuery.isReady = true;\n\n\t\t// If a normal DOM Ready event fired, decrement, and wait if need
be\n\t\tif ( wait !== true && --jQuery.readyWait > 0 ) {\n\t\t\treturn;\n\t\t}\n\n\t\t// If there are functions bound, to
execute\n\t\treadyList.resolveWith( document, [ jQuery ] );\n\t}\n} );\n\njQuery.ready.then = readyList.then;\n\n//
The ready event handler and self cleanup method\nfunction completed() {\n\tdocument.removeEventListener(
\"DOMContentLoaded\", completed );\n\twindow.removeEventListener( \"load\", completed
);\n\tjQuery.ready();\n}\n\n// Catch cases where $(document).ready() is called\n// after the browser event has already
occurred.\n// Support: IE <=9 - 10 only\n// Older IE sometimes signals \"interactive\" too soon\nif (
document.readyState === \"complete\" ||\n\t( document.readyState !== \"loading\" &&
!document.documentElement.doScroll ) ) {\n\n\t// Handle it asynchronously to allow scripts the opportunity to delay
ready\n\twindow.setTimeout( jQuery.ready );\n\n} else {\n\n\t// Use the handy event
callback\n\tdocument.addEventListener( \"DOMContentLoaded\", completed );\n\n\t// A fallback to window.onload,
that will always work\n\twindow.addEventListener( \"load\", completed );\n}\n\n\n\n\n// Multifunctional method to
get and set values of a collection\n// The value/s can optionally be executed if it's a function\nvar access = function(
elems, fn, key, value, chainable, emptyGet, raw ) {\n\tvar i = 0,\n\t\tlen = elems.length,\n\t\tbulk = key ==
null;\n\n\t// Sets many values\n\tif ( toType( key ) === \"object\" ) {\n\t\tchainable = true;\n\t\tfor ( i in key )
{\n\t\t\taccess( elems, fn, i, key[ i ], true, emptyGet, raw );\n\t\t}\n\n\t// Sets one value\n\t} else if ( value !==
undefined ) {\n\t\tchainable = true;\n\n\t\tif ( !isFunction( value ) ) {\n\t\t\traw = true;\n\t\t}\n\n\t\tif ( bulk )
{\n\n\t\t\t// Bulk operations run against the entire set\n\t\t\tif ( raw ) {\n\t\t\t\tfn.call( elems, value );\n\t\t\t\tfn =
null;\n\n\t\t\t// ...except when executing function values\n\t\t\t} else {\n\t\t\t\tbulk = fn;\n\t\t\t\tfn = function( elem,
key, value ) {\n\t\t\t\t\treturn bulk.call( jQuery( elem ), value );\n\t\t\t\t};\n\t\t\t}\n\t\t}\n\n\t\tif ( fn ) {\n\t\t\tfor ( ; i <
len; i++ ) {\n\t\t\t\tfn(\n\t\t\t\t\telems[ i ], key, raw ?\n\t\t\t\t\tvalue :\n\t\t\t\t\tvalue.call( elems[ i ], i, fn( elems[ i ],
key ) )\n\t\t\t\t);\n\t\t\t}\n\t\t}\n\t}\n\n\tif ( chainable ) {\n\t\treturn elems;\n\t}\n\n\t// Gets\n\tif ( bulk ) {\n\t\treturn
fn.call( elems );\n\t}\n\n\treturn len ? fn( elems[ 0 ], key ) : emptyGet;\n};\n\n\n// Matches dashed string for
camelizing\nvar rmsPrefix = /^-ms-/,\n\trdashAlpha = /-([a-z])/g;\n\n// Used by camelCase as callback to
replace()\nfunction fcamelCase( all, letter ) {\n\treturn letter.toUpperCase();\n}\n\n// Convert dashed to camelCase;
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

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=== 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
=== \"null\" ) {\n\t\treturn null;\n\t}\n\n\t// Only convert to a number if it doesn't change the string\n\tif ( data ===
+data + \"\" ) {\n\t\treturn +data;\n\t}\n\n\tif ( rbrace.test( data ) ) {\n\t\treturn JSON.parse( data );\n\t}\n\n\treturn
data;\n}\n\nfunction dataAttr( elem, key, data ) {\n\tvar name;\n\n\t// If nothing was found internally, try to fetch
any\n\t// data from the HTML5 data-* attribute\n\tif ( data === undefined && elem.nodeType === 1 ) {\n\t\tname =

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jQuery.queue( this, type, data );

				// Ensure a hooks for this queue
				jQuery._queueHooks( this, type

		}

		return data === undefined ?
			this :
			this.each( function() {
				var queue =
			type;
			type = "fx";
			setter--;
		}

		if ( arguments.length < setter ) {
			return jQuery.queue( this[

	queue: function( type, data ) {
		var setter = 2;

		if ( typeof type !== "string" ) {
			data =

			dataPriv.remove( elem, [ type + "queue", key ] );
			} )
		} );
	}
} );

jQuery.fn.extend( { ...

	data: function( key, value ) {
		var i, name, elem, attrs;

		if ( elem ) {
			type = ( type || "fx" ) +

			// Sets multiple values
			if ( typeof key === "object" ) {

				// Add a progress sentinel to prevent the fx queue from being
defqueued automatically ( type == "fx" )

				 jQuery.queue( function( type, data ) {

					jQuery.queue.unshift( "inprogress" );

				// Clear up the last queue stop function
				 jQuery.dequeue( elem, next, hooks );

					jQuery.shift();

				// If the fx queue is dequeued, always

				jQuery.empty.fire();

				// Add a hooks for this queue

				jQuery._queueHooks( type, function() {

				var var queue =

				// Ensures this is the correct function

				jQuery.fn.extend( { ...

				// Private hooks used on jQuery objects

				// Support: IE 11 only

				// The attrs elements can be null

				// The calling jQuery object (element matches) is not empty

				// and therefore has an element appears at this[0] and the

				// 'value' parameter was not undefined. An empty jQuery

				// result will result in 'undefined' for elem = this[0] which

				// will throw an exception if an attempt to

				// read a data cache is made.

				jQuery.dataPriv.set( elem, "HasDataAttrs", true

				jQuery.dequeueData; function( key ) {

				jQuery.dequeueData; ( this, key )

				jQuery._queueHooks( elem, type

				jQuery._queueData; elem );

				jQuery._queueData( elem, type

				jQuery._queueData; elem );

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);\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
change\n\tfor ( ; index < length; index++ ) {\n\t\telem = elements[ index ];\n\t\tif ( !elem.style )
{\n\t\t\tcontinue;\n\t\t}\n\n\t\tdisplay = elem.style.display;\n\t\tif ( show ) {\n\n\t\t\t// Since we force visibility upon
cascade-hidden elements, an immediate (and slow)\n\t\t\t// check is required in this first loop unless we have a
nonempty display value (either\n\t\t\t// inline or about-to-be-restored)\n\t\t\tif ( display === \"none\" )

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Capture executables

```javascript
if (scripts) {
    j = 0;
    while ((elem = tmp[j++])) {
        if (rscriptType.test("script")) {
            // Preserve script evaluation history
            if (contains) {
                setGlobalEval(tmp);
            }
            // Append to fragment
            tmp = getAll(frag.appendChild(elem), ignored)
            continue;
        }
        contains = jQuery.contains(already in the context collection (trac-4087)
        if (selection && jQuery.inArray(elem, selection) > -1) {
            if (frag)
                frag.textContent = "";
        }
    }
}
```

```
for (i = 0; (elem = nodes[i++]) != null) {
    if (elem || elem === 0) {
        // Add nodes directly
        if (toType(elem) === "object") {
            jQuery.merge(nodes, elem.nodeType ? [elem] : elem);
        } else if (rhtml.test(elem)) {
            nodes.push(context.createTextNode(elem));
        } else if (typeof context.querySelectorAll !== "undefined") {
            ret = context.querySelectorAll(tag || "*");
        } else if (context.getElementsByTagName !== "undefined") {
            ret = context.getElementsByTagName(tag || "*");
        } else if (typeof context.getElementsByTagName !== "undefined") {
            return context.getElementsByTagName(tag || "*");
        }
    }
}
```

```
var rcheckableType = ( /^(?:checkbox|radio)$/i );
```

```
for (i = 0; (elem = nodes[i]) != null; i++) {
    if (elem.style.display === "" && isHiddenWithinTree(elem)) {
        elem.style.display = "";
    }
}
```

```
if (elem.style.display === "" && isHiddenWithinTree(elem)) {
    elem.style.display = "";
    jQuery.fn.extend({
        show: function() {
            jQuery( this ).show();
        },
        hide: function() {
            jQuery( this ).hide();
        },
        toggle: function(state) {
            jQuery(this).toggle(state);
        },
        // Add data for the[object Object] prototype
        data: dataPriv.get,
        // Add a data for the DOM Node prototype
        dataPriv.set: dataPriv.set,
        // Add a data for DOM nodes
        dataPriv.datas: dataPriv.datas,
    });
```

```
var wrapMap = { // XHTML parsers do not magically insert elements in the\n// same way that tag soup parsers do. So we cannot shorten\ntbody\n// this by omitting \t\n\n```
```
var rtagName = ( /<\[a-z]/i );
```

```
var wrapMap.thead = wrapMap.tbody = wrapMap.colgroup = wrapMap.caption = wrapMap.foot = wrapMap.body = wrapMap.tfoot = wrapMap.col = wrapMap.td = wrapMap.th = wrapMap.option;
```

```
```
```
```
```javascript
props );
		// Event object
		if ( src && src.type ) {
			this.originalEvent = src;
			this.type = src.type;

			// Events bubbling up the document may have been marked as prevented
			// by a handler lower
down the tree; reflect the correct value.
			this.isDefaultPrevented = src.defaultPrevented === true;

			// Support: Android <=2.3 only
			this.returnValue = src.returnValue;

			// Create a timestamp if incoming event doesn't have one.
			this.timeStamp = src && src.timeStamp ?
				Date.now() : null;

			// Mark it as fixed.
			this.isImmediatePropagationStopped = returnTrue;

			// Create target properties.
			this.target = ( src.target && src.target.nodeType ) ?
				src.target.parentNode :
				src.target;

			// Event prototype.
			this.currentTarget = src.currentTarget;
			this.relatedTarget = src.relatedTarget;

		// Event type.
		} else {
			this.type = src;
		}

		// Put explicitly provided properties onto the event object.
		if ( props ) {
			jQuery.extend( this, props );
		}

		// Create a timestamp if incoming event doesn't have one.
		this.timeStamp = src && src.timeStamp || Date.now();

		// Mark it as fixed.
		this.isDefaultPrevented = returnFalse;

		// Create a timestamp if incoming event doesn't have one.
		this.timeStamp = src && src.timeStamp || Date.now();

		// Mark it as fixed.
		this.isDefaultPrevented = returnFalse;

		// Event type.
		} else {
			this.type = src;
		}

		// Put explicitly provided properties onto the event object.
		if ( props ) {
			jQuery.extend( this, props );
		}

		// Create a timestamp if incoming event doesn't have one.
		this.timeStamp = src && src.timeStamp || Date.now();

		// Mark it as fixed.
		this.isDefaultPrevented = returnFalse;
```

handleObj.namespace
:\n\t\t\t\t\thandleObj.origType,\n\t\t\t\thandleObj.selector,\n\t\t\t\thandleObj.handler\n\t\t\t);\n\t\t\treturn
this;\n\t\t}\n\t\tif ( typeof types === \"object\" ) {\n\n\t\t\t// ( types-object [, selector] )\n\t\t\tfor ( type in types )
{\n\t\t\t\tthis.off( type, selector, types[ type ] );\n\t\t\t}\n\t\t\treturn this;\n\t\t}\n\t\tif ( selector === false || typeof
selector === \"function\" ) {\n\n\t\t\t// ( types [, fn] )\n\t\t\tfn = selector;\n\t\t\tselector = undefined;\n\t\t}\n\t\tif ( fn
=== false ) {\n\t\t\tfn = returnFalse;\n\t\t}\n\t\treturn this.each( function() {\n\t\t\tjQuery.event.remove( this, types,
fn, selector );\n\t\t} );\n\t}\n} );\n\n\nvar\n\n\t/* eslint-disable max-len */\n\n\t// See
https://github.com/eslint/eslint/issues/3229\n\trxhtmlTag = /<(?!area|br|col|embed|hr|img|input|link|meta|param)(([az][^\\/\\0>\\x20\\t\\r\\n\\f]*)[^>]*)\\/>/gi,\n\n\t/* eslint-enable */\n\n\t// Support: IE <=10 - 11, Edge 12 - 13 only\n\t//
In IE/Edge using regex groups here causes severe slowdowns.\n\t// See
https://connect.microsoft.com/IE/feedback/details/1736512/\n\trnoInnerhtml = /<script|<style|<link/i,\n\n\t//
checked=\"checked\" or checked\n\trchecked = /checked\\s*(?:[^=]|=\\s*.checked.)/i,\n\trcleanScript =
/^\\s*<!(?:\\[CDATA\\[|--)|(?:\\]\\]|--)>\\s*$/g;\n\n// Prefer a tbody over its parent table for containing new
rows\nfunction manipulationTarget( elem, content ) {\n\tif ( nodeName( elem, \"table\" ) &&\n\t\tnodeName(
content.nodeType !== 11 ? content : content.firstChild, \"tr\" ) ) {\n\n\t\treturn jQuery( elem ).children( \"tbody\" )[
0 ] || elem;\n\t}\n\n\treturn elem;\n}\n\n// Replace/restore the type attribute of script elements for safe DOM
manipulation\nfunction disableScript( elem ) {\n\telem.type = ( elem.getAttribute( \"type\" ) !== null ) + \"/\" +
elem.type;\n\treturn elem;\n}\nfunction restoreScript( elem ) {\n\tif ( ( elem.type || \"\" ).slice( 0, 5 ) === \"true/\" )
{\n\t\telem.type = elem.type.slice( 5 );\n\t} else {\n\t\telem.removeAttribute( \"type\" );\n\t}\n\n\treturn
elem;\n}\n\nfunction cloneCopyEvent( src, dest ) {\n\tvar i, l, type, pdataOld, pdataCur, udataOld, udataCur,
events;\n\n\tif ( dest.nodeType !== 1 ) {\n\t\treturn;\n\t}\n\n\t// 1. Copy private data: events, handlers, etc.\n\tif (
dataPriv.hasData( src ) ) {\n\t\tpdataOld = dataPriv.access( src );\n\t\tpdataCur = dataPriv.set( dest, pdataOld
);\n\t\tevents = pdataOld.events;\n\n\t\tif ( events ) {\n\t\t\tdelete pdataCur.handle;\n\t\t\tpdataCur.events =
{};\n\n\t\t\tfor ( type in events ) {\n\t\t\t\tfor ( i = 0, l = events[ type ].length; i < l; i++ ) {\n\t\t\t\t\tjQuery.event.add(
dest, type, events[ type ][ i ] );\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t}\n\n\t// 2. Copy user data\n\tif ( dataUser.hasData( src ) )
{\n\t\tudataOld = dataUser.access( src );\n\t\tudataCur = jQuery.extend( {}, udataOld );\n\n\t\tdataUser.set( dest,
udataCur );\n\t}\n}\n\n// Fix IE bugs, see support tests\nfunction fixInput( src, dest ) {\n\tvar nodeName =
dest.nodeName.toLowerCase();\n\n\t// Fails to persist the checked state of a cloned checkbox or radio button.\n\tif (
nodeName === \"input\" && rcheckableType.test( src.type ) ) {\n\t\tdest.checked = src.checked;\n\n\t// Fails to
return the selected option to the default selected state when cloning options\n\t} else if ( nodeName === \"input\" ||
nodeName === \"textarea\" ) {\n\t\tdest.defaultValue = src.defaultValue;\n\t}\n}\n\nfunction domManip( collection,
args, callback, ignored ) {\n\n\t// Flatten any nested arrays\n\targs = concat.apply( [], args );\n\n\tvar fragment, first,
scripts, hasScripts, node, doc,\n\t\ti = 0,\n\t\tl = collection.length,\n\t\tiNoClone = l - 1,\n\t\tvalue = args[ 0
],\n\t\tvalueIsFunction = isFunction( value );\n\n\t// We can't cloneNode fragments that contain checked, in
WebKit\n\tif ( valueIsFunction ||\n\t\t\t( l > 1 && typeof value === \"string\" &&\n\t\t\t\t!support.checkClone &&
rchecked.test( value ) ) ) {\n\t\treturn collection.each( function( index ) {\n\t\t\tvar self = collection.eq( index
);\n\t\t\tif ( valueIsFunction ) {\n\t\t\t\targs[ 0 ] = value.call( this, index, self.html() );\n\t\t\t}\n\t\t\tdomManip( self,
args, callback, ignored );\n\t\t} );\n\t}\n\n\tif ( l ) {\n\t\tfragment = buildFragment( args, collection[ 0
].ownerDocument, false, collection, ignored );\n\t\tfirst = fragment.firstChild;\n\n\t\tif ( fragment.childNodes.length
=== 1 ) {\n\t\t\tfragment = first;\n\t\t}\n\n\t\t// Require either new content or an interest in ignored elements to
invoke the callback\n\t\tif ( first || ignored ) {\n\t\t\tscripts = jQuery.map( getAll( fragment, \"script\" ), disableScript
);\n\t\t\thasScripts = scripts.length;\n\n\t\t\t// Use the original fragment for the last item\n\t\t\t// instead of the first
because it can end up\n\t\t\t// being emptied incorrectly in certain situations (#8070).\n\t\t\tfor ( ; i < l; i++ )
{\n\t\t\t\tnode = fragment;\n\n\t\t\t\tif ( i !== iNoClone ) {\n\t\t\t\t\tnode = jQuery.clone( node, true, true
);\n\n\t\t\t\t\t// Keep references to cloned scripts for later restoration\n\t\t\t\t\tif ( hasScripts ) {\n\n\t\t\t\t\t\t// Support:
Android <=4.0 only, PhantomJS 1 only\n\t\t\t\t\t\t// push.apply(_, arraylike) throws on ancient
WebKit\n\t\t\t\t\t\tjQuery.merge( scripts, getAll( node, \"script\" ) );\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\tcallback.call(
collection[ i ], node, i );\n\t\t\t}\n\n\t\t\tif ( hasScripts ) {\n\t\t\t\tdoc = scripts[ scripts.length - 1

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Open Source Used In Branch Migration Tool 1.9

```javascript
				this.parentNode.insertBefore( elem, this.nextSibling );
			}
		} );
	},

	empty: function() {
		var
[91x101]));
	},

	after: function() {
		return domManip( this, arguments, function( elem ) {
			if ( this.parentNode ) {
				this.parentNode.insertBefore( elem, this );
			}
		}

		} );
	},

	before: function() {
		return domManip( this, arguments, function( elem ) {
			if ( this.nodeType === 9 ) {
				var target = manipulationTarget( this, elem );
				target.insertBefore( elem,

				)
				jQuery.setGlobalEval( getAll( node, "script" ) ) ;
				this.parentNode.removeChild( node, "script" ) ;
				}

				}
		}
	}
} );

jQuery.fn.extend( {
	detach: function( selector ) {
		return remove( this, selector, true );
	},

	remove: function( selector ) {
		return remove( this, selector
[91x281]= undefined;
				}
			}
		}
	}
} );

jQuery.extend( {
	htmlPrefilter: function( html ) {
		return html.replace( rcleanScript, "" ), doc, node

		if ( node.parentNode ) {
			if ( keepData && jQuery.contains( node.ownerDocument, node ) ) {

				jQuery.cleanData( getAll( node ) );
				jQuery.remove( node, selector, true );
				}

				}

				}
		}

		if ( node.parentNode ) {
			if ( keepData && jQuery.contains( node.ownerDocument, node ) ) {

				jQuery.cleanData( getAll( node ) );
				jQuery.remove( node, selector, true );
				}

				}

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```
elem, i = 0; for ( ; elem = this[i] ) != null; i++) {
    jQuery.each( elem.nodeType === 1 ) {
        // Prevent memory leaks
        jQuery.cleanData( getAll( elem, false ) );

        // Remove any remaining nodes
        elem.textContent = "";
    }
}

return this;
},

clone: function( dataAndEvents, deepDataAndEvents ) {
    dataAndEvents = dataAndEvents == null ? false : dataAndEvents;
    deepDataAndEvents = deepDataAndEvents == null ? false : dataAndEvents;

    return this.map( function() {
        jQuery.cleanData( getAll( this, false ) );

        // Remove any remaining nodes
        this.textContent = "";
    } );

    return this;
},

html: function( value ) {
    return access( this, function( value ) {
        var elem = this[0] || {},
            i = 0,
            l = this.length;

        if ( value === undefined && elem.nodeType === 1 ) {
            return elem.innerHTML;
        }

        // See if we can take a shortcut and just use innerHTML
        if ( typeof value === "string" && !rnoInnerhtml.test( value ) &&
            !wrapMap[ ( rtagName.exec( value ) || [ "", "" ] )[1].toLowerCase() ] ) {

            value = jQuery.htmlPrefilter( value );

            try {
                for ( ; i < l; i++ ) {
                    elem = this[i] || {};

                    // Remove element nodes and prevent memory leaks
                    jQuery.cleanData( getAll( elem, false ) );
                    elem.innerHTML = value;
                }
            } catch ( e ) {}

            if ( elem ) {
                this.empty().append( value );
            }
        }
    }, null, value, arguments.length );
},

replaceWith: function() {
    var ignored = [];

    // Make the changes, replacing each non-ignored context element with the new content
    jQuery.domManip( this, arguments, function( elem ) {
        var parent = this.parentNode;

        if ( jQuery.inArray( this, ignored ) < 0 ) {
            jQuery.cleanData( getAll( this ) );
            if ( parent ) {
                parent.replaceChild( elem, this );
            }
        }
    }, ignored);
}
};

jQuery.each( {
    appendTo: "append",
    prependTo: "prepend",
    insertBefore: "before",
    insertAfter: "after",
    replaceAll: "replaceWith"
}, function( name, original ) {
    jQuery.fn[name] = function( selector ) {
        var elems,
            ret = [],
            insert = jQuery( selector ),
            last = insert.length - 1,
            i = 0;

        for ( ; i <= last; i++ ) {
            elems = i === last ? this : this.clone( true );
            jQuery( insert[i] )[original]( elems );
        }

        // Support: Firefox <=8, Chrome <=10 - 11, Safari <=9 - 10.1, iOS <=7.0 - 9.3
        // Some styles come back with percentage values, even though they shouldn't
        this.css( { position: relative; display: block; box-sizing: border-box; overflow: scroll; margin-top: 1% } );

        // Force callback invocation
        return ret;
    };}

// Executing both pixelPosition & boxSizingReliable tests require only one layout
// so they're executed at the same time to save the second computation
jQuery.cssSelect = function() {
    // This is a singleton, we need to execute it only once
    !div || (
        jQuery( "html\[0\]\"\"").append( 
            ( div = jQuery( "\"\"\"")
        );

        // Support: IE 9 - 11 only
        // Detect misreporting of content dimensions for box-sizing:border-box elements
        div.style.border = 1px; 
        div.style.padding = 0; 
        div.style.display = "block; box-sizing: border-box; overflow: scroll; margin: auto; border: 1px; padding: 1px;";
    );

    // Nullify the div so it wouldn't be stored in the memory
    div = null;

    // it will also be a sign that checks already performed
    return ret;
};

// Prevent Memory Leaks
try {
    delete jQuery.cleanData; 
}
catch( e ) {}
parseFloat(measure));
	pixelPositionVal, boxSizingReliableVal, scrollbarSizeVal,
pixelBoxStylesVal, unreliableMarginLeftVal, container = document.createElement("div"),
				
tdiv = document.createElement("div");
			  
		// Finish early in limited (non-browser) environments
		if (!div.style)
		return;

	// Support: IE <=9 - 11 only
	// Style of cloned element affects source element cloned
	(8908)\n
tdiv.style.backgroundClip = "content-box"; nDiv.cloneNode(true).style.backgroundClip = "content-box";

ASHBOARD.usedInBranchMigrationTool = function() {


tvar div = document.createElement("div"),
	null;

if (typeof arguments[0] == "undefined")
	return;

var support, clearCloneStyle = div.style.backgroundClip === "content-box";

support.clearCloneStyle = div.style.backgroundClip === "content-box";

nQuery.extend(support, {

	boxSizingReliable: function() {

	
tcomputeStyleTests();

		return boxSizingReliableVal;

	},

tpixelBoxStyles: function() {

	
tcomputeStyleTests();

		return pixelBoxStylesVal;

	},

tpixelPosition: function() {

	
tcomputeStyleTests();

		return pixelPositionVal;

	},

treliableMarginLeft: function() {

	
tcomputeStyleTests();

		return reliableMarginLeftVal;

	},

tscrollboxSize: function() {

	
tcomputeStyleTests();

		return scrollbarSizeVal;

	}
	});

nQuery.styles = addGetHookIf(curCSS);  

nFunction curCSS( elem, name, computed ) {

	var width, minWidth, maxWidth, ret, nnull;

	// Finish early in limited (non-browser) environments
	if (typeof arguments[0] == "undefined")
	return;

	var style = elem.style;

	computed = computed || getStyles(elem);

	// getPropertyValue is needed for:
	//   .css('filter') (IE 9 only, #12537)\n
	// Android Browser returns percentage for some values,
	// but width seems to be reliably pixels.
	// This is against the CSSOM draft spec:
	// https://drafts.csswg.org/cssom/#resolved-values
	// #8908)

	// A tribute to the awesome hack by Dean Edwards
	// Android Browser returns percentage for some values,
	// but width seems to be reliably pixels.
	// This is against the CSSOM draft spec:
	// https://drafts.csswg.org/cssom/#resolved-values
	// #8908)

	return (+ret + "\" :nnull; nnull\n
		// A tribute to the awesome hack by Dean Edwards
	// Android Browser returns percentage for some values,
	// but width seems to be reliably pixels.
	// This is against the CSSOM draft spec:
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	// #8908)

	// A tribute to the awesome hack by Dean Edwards
	// Android Browser returns percentage for some values,
Open Source Used In Branch Migration Tool 1.9

Getting the width or height of an element requires particular care. The computed value of width or height is the sum of the content, padding, margin, border, and scroll space. The computed value is calculated differently when the element is a block-level element (no border-box) or a non-block level element (border-box). The following code snippet from jQuery demonstrates this logic:

```javascript
getWidthOrHeight( elem, dimension, extra ) {

    // Start with computed style
    var styles = getStyles( elem ),
        val = curCSS( elem, dimension, styles ),
        isBorderBox = jQuery.css( elem, "boxSizing", false, styles ) === "border-box",
        valueIsBorderBox = isBorderBox;

    // Support: Firefox <=54
    // Return a confounding non-pixel value or feign ignorance, as appropriate.
    if ( rnumnonpx.test( val ) ) {
        if ( !extra ) {
            return val;
        }
        val = "auto";
    }

    // Check for style in case a browser which returns unreliable values in `getComputedStyle`
    valueIsBorderBox = valueIsBorderBox &&
        (support.boxSizingReliable() || val === elem.style[ dimension ]);

    // Fall back to offsetWidth/offsetHeight when value is "auto" or not a whole number
    if ( val === "auto" ||
        !parseFloat( val ) && jQuery.css( elem, "display", false, styles ) === "inline" ) {

        val = elem[ "offset" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ];
    }

    // Adjust for the element's box model
    return ( val + boxModelAdjustment( elem, dimension, extra || ( isBorderBox ? "border" : "content" ), isCustomProp ) ) + "px";
}
```

This function is part of the jQuery library and is used to calculate the actual width or height of an element, taking into account the various layout properties. The function considers the computed style and adjusts for the element's box model, ensuring accurate measurements for both block-level and non-block level elements.
Open Source Used In Branch Migration Tool 1.9

```javascript
=== "string" && ( ret = rcssNum.exec( value ) ) && ret[ 1 ] ) {
    // Set null and NaN values
    if ( #7116 ) {
        // Add the unit (except for certain CSS properties)
        type = "number";
        // background-* props affect original clone's
        // value
        if ( support.clearCloneStyle ) {
            // Make sure that null and NaN values aren't
            // set (#7116)
            if ( value == null || value !== value ) {
                // If a hook was provided get the non-computed value from
                return;
            }

            // If a hook was provided get the computed value from there
            // (hooks && "get" in hooks)
            if ( hooks && "get" in hooks ) {
                return;
            }

            // Otherwise just get the value from the style object
            return style[ name ];
        }
    }

    // Make sure that we're working with the right name.
    if ( !isCustomProp ) {
        // Try prefixed name followed by the
        // unprefixed name
        hooks = jQuery.cssHooks[ name ] || jQuery.cssHooks[ origName ];

        // If a hook was
        if ( hooks && "get" in hooks ) {
            // Get the computed value from hooks
            return hooks.get( elem, true, extra ) ||
                getWidthOrHeight( elem, dimension, extra, isBorderBox, styles );
        }

        // Convert to pixels if value adjustment is
        isFinite( num ) ? num : 0 :
            swap( elem, { marginLeft: 0 }, function() {
                return elem.getBoundingClientRect().left;
            } ) + "px";
    }

    // Set positive number
    setPositiveNumber( elem, value, subtract );
}
```

---

Open Source Used In Branch Migration Tool 1.9

```javascript
jQuery.each( [ "height", "width" ], function( i, dimension ) {
    jQuery.cssHooks[ dimension ] = {
        get: function( elem, computed, extra ) {
            // Certain elements can have dimension info if
            // we invisibly show them
            if ( computed ) {
                // Support: Safari 8+
                // Table columns in Safari have non-zero offsetWidth & zero
                // getBoundingClientRect().width unless display is
                // changed.
                if ( !elem.getClientRects().length ||
                    elem.getBoundingClientRect().width ) {
                    // Get width or height
                    return getWidthOrHeight( elem, dimension, extra ) ||
                        getWidthOrHeight( elem, dimension, extra );
                }
            }

            // Convert to pixels if value adjustment is
            isFinite( num ) ? num || 0 :
                swap( elem, { marginLeft: 0 }, function() {
                    return elem.getBoundingClientRect().left;
                } ) + "px";
        },

        set: function( elem, value, extra ) {
            var matches,
                styles = getStyles( elem ),
                isBorderBox = jQuery.css( elem, "boxSizing", false, styles ) === "border-box",
                subtract = extra &&
                    boxModelAdjustment( elem, dimension, extra );

            // Account for unreliable border-box dimensions by comparing offset* to computed and
            // faking a content-box to get border and padding (gh-3699)
            isBorderBox && support.scrollBoxSize( elem, "display" ) &&
                jQuery.cssHooks[ dimension ] = {
                    get: function( elem, computed ) {
                        return elem.getBoundingClientRect().width + "px";
                    },
                    set: function( elem, value, extra ) {
                        var matches,
                            styles = getStyles( elem ),
                            isBorderBox = jQuery.css( elem, "boxSizing", false, styles ) === "border-box";

                        // Convert to pixels if value adjustment is
                        isFinite( num ) ? num || 0 :
                            swap( elem, { marginLeft: 0 }, function() {
                                return elem.getBoundingClientRect().left;
                            } ) + "px";
                    }
                };
        }
    };

    // Add margin-left hook if reliableMarginLeft
    if ( support.reliableMarginLeft ) {
        marginLeft = addGetHookIf( elem.getNativeProperty( dimension ) ||
            ( function( elem, computed ) {
                return ( computed ) ( elem.getBoundingClientRect() );
            ) ) ||
                jQuery.cssHooks.marginLeft;
    }

    // These hooks are used by animate to expand properties
    jQuery.each( { margin: "", marginTop: "", marginBottom: "", },
        function( prop ) {
            jQuery.cssHooks[ prop ] = {
                get: function( elem, computed ) {
                    return jQuery( elem, "[class|^=ui-" +
                        jQuery( elem, name )[ ret[ 1 ] ]
                    {
                        // Make sure that we're working with the right name.
                        if ( !isCustomProp ) {
                            // Try prefixed name followed by the
                            // unprefixed name
                            hooks = jQuery.cssHooks[ name ] || jQuery.cssHooks[ origName ];

                            // If a hook was
                            if ( hooks && "get" in hooks ) {
                                // Get the computed value from hooks
                                return hooks.get( elem, true, extra ) ||
                                    getWidthOrHeight( elem, dimension, extra, isBorderBox, styles );
                            }

                            // Convert to pixels if value adjustment is
                            isFinite( num ) ? num || 0 :
                                swap( elem, { marginLeft: 0 }, function() {
                                    return elem.getBoundingClientRect().left;
                                } ) + "px";
                        }

                        // Set positive number
                        setPositiveNumber( elem, value, subtract );
                    }
```

---

### References

- Open Source Used In Branch Migration Tool 1.9
- jQuery's CSS functionality
- CSS properties and their values
- CSS transformations
- CSS custom properties
- CSS units
- CSS box model
- CSS display properties
- CSS margin properties
- CSS padding properties
- CSS border properties
- CSS background properties
- CSS animation properties
- CSS transitions properties
Open Source Used In Branch Migration Tool 1.9

```javascript
function createFxNow() {
    window.setTimeout( function() {
        fxNow = undefined;
    }, jQuery.fx.interval );
    jQuery.fx.tick();
}

// Generate parameters to create a standard animation
function genFx(options, prop, end, easing) {
    return ( fxNow = Date.now() );
}

// Animations created synchronously will run
// when they are created or when requestAnimationFrame
// is supported
function schedule(tween) {
    return ( window.requestAnimationFrame ||
    window.webkitRequestAnimationFrame ||
    function( callback ) {
        if ( window.setTimeout !== callback )
            return window.setTimeout(callback, 16);
        }( tween.complete ||
    tween.run ||
    function( percent ) {
        if ( tween.options.step )
            tween.options.step.call( this,
        tween.now, tween.options, tween.elem );
        else if ( tween.elem.nodeType 
            && window.requestAnimationFrame ) {
            window.requestAnimationFrame( schedule );
        } else {
            tween.elem.style[ jQuery.cssProps[ tween.prop ] ]
            = tween.now + tween.unit;
        }
    }, tween, tween.options, tween.elem );
}

// Back compat <1.8 extension point
jQuery.fx.step = {};

// Support: IE <=9 only
// Panic based approach to setting things on disconnected nodes
jQuery.Tween.prototype.init = function( elem, options, prop, end, easing ) {
    return new jQuery.Tween.prototype.init( elem, options, prop, end, easing );
};
```

---

**Potential Enhancements:**

- Improve code readability by breaking it into smaller, more manageable functions.
- Add comments to explain the purpose of each function or code block.
- Ensure consistent use of curly braces and indentation for better readability.
- Use meaningful variable names and avoid single-letter names.
- Consider using modern JavaScript features such as arrow functions, spread properties, and template literals, if possible.
to do all `cssExpand` values, otherwise step value is 2 to skip over Left and `Right`.

```javascript
function defaultPrefilter(elem, props, opts) {
    return jQuery.extend(true, {}, props, opts);
}
```

```javascript
function createTween(value, prop, animation) {
    var tween,
        collection = (Animation.tweeners[prop] || []).concat(Animation.tweeners["*"]),
        index = 0,
        length = collection.length;
    for (; index < length; index++) {
        if (typeof collection[index].call( animation, prop, value ) == 'function') {
            tween = collection[index].call( animation, prop, value );
            break;
        }
    }
    return tween;
}
```

```javascript
function Animation( elem, props, opts ) {
    var prop, value, toggle, hooks, oldfire, propTweens, restoreDisplay, display,
        isBox = elem.nodeType && isHiddenWithinTree( elem ),
        dataShow = dataPriv.get( elem, "fxshow" ),
        elem.style.display;

    anim = this,
    orig = {},
    style = elem.style,
    hidden = elem.nodeType ? 1 : 0;
    if ( !hidden ) {
        return;
    }

    // Restrict "overflow" and "display" styles during box animations
    if ( isBox ) {
        restoreDisplay = jQuery.css( elem, "display" );
        if ( restoreDisplay ) {
            display = restoreDisplay;
        } else {
            display = elem.style.display || elem.nodeType === 1 ? jQuery.data( elem, "display" ) : "";
        }
    }

    // Bail out if this is a "show" and there is still data from a stopped show/hide animation
    if ( dataShow && display != null ) {
        return;
    }

    // Get nonempty value(s) by temporarily forcing visibility
    if ( !jQuery.queue( elem, "fx" ).length ) {
        hooks.empty.fire();
    }

    // Queue the animation, then jump through its content and avoid `queueHooks`
    return jQuery.extend( anim, { display: display, restoreDisplay: restoreDisplay } );
}
```

```javascript
// Ensure the complete handler is called before this completes
function( fx ) {
    jQuery._queueHooks( elem, "fx" );
}
```

```javascript
// Pretend to be hidden if this is a "show" and there is still data from a stopped show/hide animation
if ( dataShow && display != null ) {
    return;
}
```

```javascript
// Queue the animation, then jump through its content and avoid `queueHooks`
return jQuery.extend( anim, { display: display, restoreDisplay: restoreDisplay } );
```

```javascript
// Ensure the complete handler is called before this completes
function( fx ) {
    jQuery._queueHooks( elem, "fx" );
}
```

```javascript
function defaultPrefilter(elem, props, opts) {
    return jQuery.extend(true, {}, props, opts);
}
```

```javascript
function createTween(value, prop, animation) {
    var tween,
        collection = (Animation.tweeners[prop] || []).concat(Animation.tweeners["*"]),
        index = 0,
        length = collection.length;
    for (; index < length; index++) {
        if (typeof collection[index].call( animation, prop, value ) == 'function') {
            tween = collection[index].call( animation, prop, value );
            break;
        }
    }
    return tween;
}
```

```javascript
function Animation( elem, props, opts ) {
    var prop, value, toggle, hooks, oldfire, propTweens, restoreDisplay, display,
        isBox = elem.nodeType && isHiddenWithinTree( elem ),
        dataShow = dataPriv.get( elem, "fxShow" ),
        elem.style.display;

    anim = this,
    orig = {},
    style = elem.style,
    hidden = elem.nodeType ? 1 : 0;
    if ( !hidden ) {
        return;
    }

    // Restrict "overflow" and "display" styles during box animations
    if ( isBox ) {
        restoreDisplay = jQuery.css( elem, "display" );
        if ( restoreDisplay ) {
            display = restoreDisplay;
        } else {
            display = elem.style.display || elem.nodeType === 1 ? jQuery.data( elem, "display" ) : "";
        }
    }

    // Bail out if this is a "show" and there is still data from a stopped show/hide animation
    if ( dataShow && display != null ) {
        return;
    }

    // Get nonempty value(s) by temporarily forcing visibility
    if ( !jQuery.queue( elem, "fx" ).length ) {
        hooks.empty.fire();
    }

    // Queue the animation, then jump through its content and avoid `queueHooks`
    return jQuery.extend( anim, { display: display, restoreDisplay: restoreDisplay } );
}
```

```javascript
// Ensure the complete handler is called before this completes
function( fx ) {
    jQuery._queueHooks( elem, "fx" );
}
```
function( i, name ) {
    var cssFn = jQuery.fn[ name ];
    jQuery.fn[ name ] = function( speed, easing, callback ) {
        return speed == null || typeof speed === "boolean" ?
            cssFn.apply( this, arguments ) :
            this.animate( genFx( name, true ), speed, easing, callback );
    };
}

// Generate shortcuts for custom animations
jQuery.each( {
    slideDown: genFx( "show" ),
    slideUp: genFx( "hide" ),
    slideToggle: genFx( "toggle" ),
    fadeIn: { opacity: "show" },
    fadeOut: { opacity: "hide" },
    fadeToggle: { opacity: "toggle" }
}, function( name, props ) {
    jQuery.fn[ name ] = function( speed, easing, callback ) {
        return this.animate( props, speed, easing, callback );
    };
} );

jQuery.timers = [
    jQuery.fx.tick = function() {
        var timer,
            i = 0,
            timers = jQuery.timers;

        fxNow = Date.now();

        for ( ; i < timers.length; i++ ) {
            timer = timers[ i ];

            // Run the timer and safely remove it when done (allowing for external removal)
            timer[ "t" ] !== null ? timer[ "t" ][ i ] !== 0 && timers.splice( i--, 1 ) : null;
            jQuery.fx[ name ].time = 0;
            jQuery.fx[ name ].speed = function( time ) {
                return time;
            };

            jQuery.fx[ name ].start = function() {
                jQuery.fx[ name ].time = 0;
                jQuery.fx[ name ].speed = slow;
                jQuery.fx[ name ].interval = 13;
            };
        }
        if ( !timers.length ) {
            jQuery.fx.stop();
        }

        inProgress = false;

        return function( name, value ) {
            var ret, hooks,
                nType = elem.nodeType;

            if ( nType === 3 || nType === 8 || nType === 2 ) {
                return;
            }

            if ( typeof elem.getAttribute === "undefined" ) {
                return jQuery.prop( elem, name, value );
            }

            if ( nType !== 1 || !jQuery.isXMLDoc( elem ) ) {
                hooks = jQuery.attrHooks[ name.toLowerCase() ] ||
                    ( jQuery.expr.match.bool.test( name ) ? boolHook : undefined );
            }

            if ( value !== undefined ) {
                if ( value === null ) {
                    jQuery.removeAttr( elem, name );
                    return;
                }

                if ( "set" in hooks && ( ret = hooks.set( elem, value, name ) ) !== undefined ) {
                    return ret;
                }

                elem.setAttribute( name, value + "" );

                return value;
            }

            if ( "get" in hooks && ( ret = hooks.get( elem, name ) ) !== null ) {
                return ret[ "t" ] ;
            }

            return elem[name];
        };
    }
};
{\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
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

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```javascript
if ( !rfocusMorph.test( bubbleType + type ) ) {
    cur = cur.parentNode;
}
for ( ; cur; cur =
    !onlyHandlers && !special.noBubble && !isWindow( elem ) ) {

// Bubble up to document, then to window; watch for a global ownerDocument var (#9724)
if ( type.indexOf( ":" ) < 0 ) {
    return;
}

// Determine event propagation path in advance, per W3C events spec
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
data = data == null ? [ event ]

// Clone
"(^|\\.)" + namespaces.join( "\\.(?:.*\\.|)" ) + "(\\.|$)" ) :
null;
```


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)) {
		eventPath.push(tmp.defaultView || tmp.parentWindow || window);
	}

	// Fire handlers on the event path
	i = 0;
	while (cur = eventPath[i++]) {
		lastElement = cur;
		event.type = i > 1 ? special.default.type : special._default.apply( eventPath.pop(), data ) === false && acceptData( elem ) {
			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
		jQuery.event.trigger( type, event.result = handle.apply( cur, data ) || false )
	}
	}

// Piggyback on a donor event to simulate a different one
// Used only for `focus(in | out)` events

// Support: Firefox <=44
// 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
// focus(in | out) events fire after focus & blur events, which is spec violation - http://www.w3.org/TR/DOM-Level-3-Events/#events-focusevent-event-order/
if ( !support.focusin ) {
	jQuery.each({ focus: "focusin", blur: "focusout" }, function( orig, fix ) {
		var handler = function( event ) {
			jQuery.event.simulate( fix, event.target, jQuery.event.fix( event ) );
		};

		jQuery.event.special[fix] = {
			setup: function() {
				var doc = this.ownerDocument || this,
					attaches = dataPriv.access( doc, fix );

				if ( !attaches ) {
					doc.addEventListener(orig, handler, true );
					dataPriv.access( doc, fix, attaches || 0 ) + 1
				}
			},
			teardown: function() {
				var doc = this.ownerDocument || this,
					attaches = dataPriv.access( doc, fix, attaches || 0 ) + 1
			};
	} );

var location = window.location;

var nonce = Date.now();

// Cross-browser xml parsing
jQuery.parseXML = function( data ) {
	var xml;
	if ( !data || typeof data !== "string" ) {
		return null;
	}

	// Support: IE 9 - 11 only
	// IE throws on parseFromString with invalid input.
	try {
		xml = ( new window.DOMParser() ).parseFromString( data, "text/xml" );
	} catch ( e ) {
		xml = undefined;
	}

	if ( !xml || xml.getElementsByTagName( "parsererror" ).length ) {
		jQuery.error( "Invalid XML: " + data );
	}
	return xml;
jQuery.extend({
  url: url
  // Make this explicit, since user can override this through ajaxSetup
  // (#11264)
});

jQuery._evalUrl = function( url ) {
  return jQuery.ajax({
    url: url,
    // Make this explicit, since user can override this through ajaxSetup
    // (#11264)
    type: "GET",
    dataType: "script",
    cache: true,
    async: false,
    global: false,
    "throws": true
  });
};

jQuery.fn.extend({

  wrapAll: function( html ) {
    var wrap;
    if ( this[ 0 ] ) {
      if ( isFunction( html ) ) {
        html = html.call( this[ 0 ] );
      }
      wrap = jQuery( html, this[ 0 ].ownerDocument ).eq( 0 ).clone( true );
      if ( this[ 0 ].parentNode ) {
        wrap.insertBefore( this[ 0 ] );
      }
      wrap.map( function() {
        var elem = this;
        while ( elem.firstElementChild ) {
          elem = elem.firstElementChild;
        }
        return elem;
      } ).append( this );
    }
    return this;
  },

  wrapInner: function( html ) {
    if ( isFunction( html ) ) {
      return this.each( function( i ) {
        jQuery( this ).wrapInner( html.call( this, i ) );
      } );
    }
    return this.each( function() {
      var self = jQuery( this ),
        contents = self.contents();
      if ( contents.length ) {
        contents.wrapAll( html );
      } else if ( !this.nodeType ) {
        this.append( html );
      }
    } );
  },

  wrap: function( html ) {
    var htmlIsFunction = isFunction( html );
    return this.each( function( i ) {
      jQuery( this ).wrapAll( htmlIsFunction ? html.call( this, i ) : 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
},
xhrSupported = jQuery.ajaxSettings.xhr();
support.cors = !!xhrSupported && ( "withCredentials" in xhr);
support.ajax = xhrSupported = !!xhrSupported;

jQuery.ajaxTransport(function( options ) {
  var callback,
    errorCallback;
  if ( support.cors || xhrSupported && !options.crossDomain ) {
    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
        if ( options.xhrFields ) {
          for ( i in options.xhrFields ) {
            xhr[ i ] = options.xhrFields[ i ];
          }
        }
        if ( !options.mimeType && xhr.overrideMimeType ) {
          xhr.overrideMimeType( options.mimeType );
        }
        xhr.setRequestHeader("X-Requested-With", "XMLHttpRequest");
        if ( !options.crossDomain ) {
          xhr.setRequestHeader( opt.headers, "X-Requested-With" );
        }
        xhr.send( options.data );
      },
      // Callback
      callback = function( type ) {
        if ( xhr ) {
          complete( xhrSuccessStatus[ xhr.status ] || xhr.status,
            xhr.statusText,
            // Support: IE <=9 only
            // On a manual native abort, IE9 throws throw(0, "error"); on any property access that is not readystatechange
            // (type of xhr.status !== "number") || xhr.readyState === 0, "error" );
        }
      },
      // Callback
      callback = function( type ) {
        if ( typeof xhr.status !== "number" ) {
          complete( 0, "error" );
        }
      },
      // Callback
      callback = function( type ) {
        if ( type === "abort" ) {
          xhr.onabort = xhr.onerror = xhr.ontimeout = null;
        }
      },
      abort: function() {
        callback("abort");
      },
      // Callback
      abort: function() {
        callback("parsererror");
      },
      // Callback
      abort: function() {
        callback("timeout");
      },
      // Callback
      abort: function() {
        callback("abort");
      }
    };
  } else {
    complete( xhrSuccessStatus[ 0 ] || 0, "error" );
  }
});
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```javascript
function() {
			responseContainer = arguments;
		};

		// Clean-up function (fires after

		// Install callback
		overwritten = window[ callbackName ];
		window[ callbackName ] =
			}
			return responseContainer[ 0 ];
		};

		// Force json dataType
		s.dataTypes[ 0 ] =

		// Use data converter to retrieve json after script execution
		s.converters[ "script jsonp", ( rjsonp.test( s.data ) && "data"
		if ( jsonProp ) {
			s[ jsonProp ] = s[ jsonProp ].replace( rjsonp, "$1" + callbackName );
		} else if ( sjsonpCallback ) ?
			sjsonpCallback;

		// Insert callback into url or form
		callbackName = s.jsonpCallback = isFunction( sjsonpCallback ) ?
			true;
		return callback;
	}
} );

// Install callbacks
function() {
		var callback = oldCallbacks.pop() || ( jQuery.expando + "_" + ( nonce++ ) );
		this[ callback ] =
				document.head.appendChild( script[ 0 ] );
			},
			abort: function() {
				if ( callback ) {
					throw
					} catch ( e ) { ( error )

	// Create the abort callback
	
				// Do send the request (this may raise an exception)
				
				// Prevent auto-execution of scripts when no explicit
dataType was provided (See gh-2432)

```
converters)

`$.jqXHR.always( function() {` If previous value didn't exist - remove it

`$.removeProp( `callbackName` );` Otherwise restore preexisting value

`else {` If no value was previously defined

`$.removeProp( `callbackName` );` Save back as free

`$( `callbackName` )` Make sure that re-using the options doesn't screw things

`$.jsonpCallback = originalSettings.jsonpCallback;` Save the callback name for future use

`});` Call if it was a function and we have a

`responseInfo( responseContainer & & isFunction( overwritten ) ) {` If responseContainer is not provided

`JSON.stringify( responseContainer )` Convert it to string

`};` Delegate to script

`"script";` Support: Safari 8 onwards

`});` 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 onwards

https://bugs.webkit.org/show_bug.cgi?id=137337

`support.createHTMLDocument = ( function() {` Document constructor

`body = document.createElement( "base" );` Set the base href for the created document

`base.href = document.location.href;` Otherwise use the document's URL

`context.appendChild( base );` Append the base

`});` Return the document

`return "script";` Delegating to script

`});` Back to event function

`// Support: Safari 8 only
// In Safari 8 documents created via
document.implementation.createHTMLDocument( "\"" ).body
//.outerHTML = "\" form\""></form><form></form>";` Create a form with two forms

`return body.childNodes.length === 2;` Get the length of the child nodes

`});` Return the boolean

`jQuery.parseHTML = function( data, context, keepScripts ) {` JavaScript function to parse HTML

`if ( typeof data !== "string" ) {` If the input is not a string

`return [];` Return an empty array

`}`

`if ( typeof context === "boolean" ) {` If context is provided

`keepScripts = context;
context = undefined;` Store keepScripts, set context to undefined

`}`

`var base, parsed, scripts;` Variables for the parsed HTML

`// Single tag
if ( parsed ) {` If the input is a single tag

`return [ context.createElement( parsed[ 1 ] ) ];` Create a single child element

`}`

`parsed = buildFragment( [ data ], context, scripts );` Build the fragment

`if ( scripts && scripts.length ) {` If scripts were passed

`jQuery( scripts ).remove();` Remove the scripts

`}`

`return jQuery.merge( [], parsed.childNodes );` Return the child nodes

`};` End function

`/**
 * Load a url into a page
 */
jQuery.fn.load = function( url, params, callback ) {` Function to load a URL

`var selector, type, response,
self = this,
off = url.indexOf( " " );` Find the offset of the space

`if ( off > -1 ) {` If the space is found

`selector = stripAndCollapse( url.slice( off ) );` Strip the selector

`url = url.slice( 0, off );` Set the new URL

`}`

`// If it's a function
if ( isFunction( params ) ) {` If the input is a function

`callback = params;
params = undefined;` Store the callback, set params to undefined

`}`

`// Otherwise, build a param string
` If the input is not a function

`type = "POST";` Set the type to POST

`// If we have elements to modify, make the request
// Use jQuery.ajax method
if ( self.length > 0 ) {` If the input is an array

`jQuery.ajax( {` Create an AJAX request

`url: url,
// If "type" variable is undefined, then "GET" method will be used.
type: type || "GET",
data: params` Set the data

`} ).done( function( responseText ) {` On success

`// Save response for use in complete callback
response = arguments;
// If a selector was specified, locate the right elements in a
dummy div
// Exclude scripts to avoid IE 'Permission Denied' errors
$.unwrap( jQuery( "<div>" ).append( jQuery.parseHTML( responseText ) ) ).done( function( responseText ) {` If the input is a selector

`});` End function

`});` End request

`// If the request succeeds, this function gets the data
if ( this.timers.length ) {` If there are more than zero

`$.each( this.timers, function( i, timer ) {` Loop through the timers

`});` End loop

`attach a bunch of functions for handling common AJAX events
$.each( [` Start a new array

`"ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend" ],` Set the functions

`function( i, type ) {` Set the function

`jQuery.fn[ type ] = function( fn ) {` Set the function

`$.return( fn )` Return the function

`});` End function

`// Call any functions in the jQuery.fn[ type ]
$.unwrap( jQuery.expr.pseudos.animated = function( fn ) {` Set the function

`$.unwrap( jQuery.ele += fn, element ).length` Set the length

`});` End jQuery.fn[ type ]

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function( val ) {
		return access( this, function( elem, method, val ) {

			// Coalesce documents and
"pageYOffset" }, function( method, prop ) {
	var top = "pageYOffset" === prop;

	jQuery.fn[ method ] =

});
}

// Create scrollLeft and scrollTop methods
jQuery.each( { scrollLeft: "pageXOffset", scrollTop: "pageYOffset" }, function( method, prop ) {

				offsetParent = offsetParent.offsetParent;
			}

		offsetParent = jQuery( offsetParent ).offset();
		offsetParent = offsetParent.parentNode;
			}

			while ( offsetParent && jQuery.css( offsetParent, "position" ) === "static" )
				offsetParent = offsetParent.parentNode;
			}
			if ( offsetParent && offsetParent !== elem &&
				( offsetParent === doc.body ||
					( offsetParent === doc.documentElement ) &&
				( curCSSTop + curCSSLeft ).indexOf( "auto" ) > -1) )
				this offsetParent || doc.documentElement;
			while ( offsetParent &&
					error
				if ( !elem.getClientRects().length ) {
				return { top: 0, left: 0 };
				}

				// Need to be able to calculate position if

either\n\n\n/ top or left is auto and position is either absolute or fixed\n\( calculatePosition \) \( \&\.curPosition =

curElem.position() ;\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n\.\n/>.
```javascript
var win;
if ( isWindow( elem ) ) {
  win = elem;
} else if ( elem.nodeType === 9 ) {
  win = elem.defaultView;
}
if ( val === undefined ) {
  return win ? win[ prop ] : elem[ prop ];
}
if ( win ) {
  win.scrollTo(!top ? val : win.pageXOffset,
              top ? val : win.pageYOffset);
} else {
  elem[ prop ] = val;
}
}

// Support: Safari <=7 - 9.1, Chrome <=37 - 49
// Add the top/left cssHooks return percent
// when specified for top/left/both/right/width/height
return ( isWindow( elem ) ) ? ( elem.width ? elem.width : elem.document.documentElement.clientWidth ) : elem
});

jQuery.fn.position

jQuery.fn.position = function( options ) {
  if ( !options ) {
    return this
  }
  var position = this.offset();
  return options
    .withDefault( options )
    .toNumber( options )
    .toElement( position )
    .toOffset( position )
    .toUnit( "hl" );
}

jQuery.fn.position = function( options ) {
  if ( !options ) {
    return this
  }
  return options
    .withDefault( options )
    .toNumber( options )
    .toElement( position )
    .toOffset( position )
    .toUnit( "hl" );
}

jQuery.fn.extend( {
  bind: function( types, data, fn ) {
    return this.on( types, null, data, fn );
  },
  unbind: function( types, fn ) {
    return this.off( types, null, fn );
  },
  delegate: function( selector, types, data, fn ) {
    return this.on( types, selector, data, fn );
  },
  undelegate: function( selector, types, fn ) {
    return this.off( types, selector || "**", fn );
  }
} );

function( i, prop ) {
  $tjQuery.cssHooks[ prop ] = addGetHookIf(support.pixelPosition,
          function( elem, computed ) {
            if ( computed ) {
              computed = curCSS( elem, prop );
              if ( curCSS( elem, prop ) ) {
                elem = elem.ownerDocument;
                return win ? elem.body.clientHeight : elem[prop];
              }
            } else { return elem[prop]; }
          });
}

// Browser running more than IE8
// Fix oldIE misinterpreting defaultLeft, defaultTop
function( elem, width, height ) {
  return elem.getBoundingClientRect()
}

// Browser running 1729-9
classEvent( jQuery.fn, "offset", ( function( exec, context, elem ) {
  if ( elem.nodeType === 9 ) {
    return zeroWidth resizer( elem );
  } else {
    return elem.getBoundingClientRect()
  }
} )

function( elem, selector, fn ) {
  return elem.
        .find( selector )
        .each( fn );
}

// Browser running >9
function() {
  return elem.getBoundingClientRect()
}

// Browser running >9
function( elem, selector, fn ) {
  return elem.
        .find( selector )
        .each( fn );
}

jQuery.fn.extend( {
  hover: function( fnOver, fnOut ) {
    return this.mouseenter( fnOver ).mouseleave( fnOut || fnOver );
  }
} );

jQuery.proxy = function( fn, context ) {
  var tmp, args, proxy;
  if ( typeof context === "string" ) {
    tmp = fn[ context ];
    context = fn;
    fn = tmp;
  }
  if ( !isFunction( fn ) ) {
    return undefined;
  }
  args = slice.call( arguments, 2 );
  proxy = function() {
    return fn.apply( context || this, args.concat( slice.call( arguments ) ) );
  };
  proxy.guid = fn.guid = fn.guid || jQuery.guid++;
  return proxy;
};

jQuery.holdReady = function( hold ) {
  if ( hold ) {
    jQuery.readyWait++;
  } else {
    jQuery.ready( true );
  }
};
jQuery.isArray = function( obj ) {
  return jQuery.isObject( obj ) && jQuery.isArrayLike( obj );
};
jQuery.isArray = function( obj ) {
  return jQuery.isObject( obj ) && jQuery.isArrayLike( obj );
};
jQuery.isArray = function( obj ) {
  return jQuery.isObject( obj ) && jQuery.isArrayLike( obj );
};
});

// Browser running more than IE8
// Fix oldIE misinterpreting defaultLeft, defaultTop
function( elem, width, height ) {
  return elem.getBoundingClientRect()
}

// Browser running 1729-9
classEvent( jQuery.fn, "offset", ( function( exec, context, elem ) {
  if ( elem.nodeType === 9 ) {
    return zeroWidth resizer( elem );
  } else {
    return elem.getBoundingClientRect()
  }
} )

function( elem, selector, fn ) {
  return elem.
        .find( selector )
        .each( fn );
}

// Browser running >9
function() {
  return elem.getBoundingClientRect()
}

// Browser running >9
function( elem, selector, fn ) {
  return elem.
        .find( selector )
        .each( fn );
}

jQuery.fn.extend( {
  hover: function( fnOver, fnOut ) {
    return this.mouseenter( fnOver ).mouseleave( fnOut || fnOver );
  }
} );

jQuery.proxy = function( fn, context ) {
  var tmp, args, proxy;
  if ( typeof context === "string" ) {
    tmp = fn[ context ];
    context = fn;
    fn = tmp;
  }
  if ( !isFunction( fn ) ) {
    return undefined;
  }
  args = slice.call( arguments, 2 );
  proxy = function() {
    return fn.apply( context || this, args.concat( slice.call( arguments ) ) );
  };
  proxy.guid = fn.guid = fn.guid || jQuery.guid++;
  return proxy;
};

jQuery.holdReady = function( hold ) {
  if ( hold ) {
    jQuery.readyWait++;
  } else {
    jQuery.ready( true );
  }
};
jQuery.isArray = function( obj ) {
  return jQuery.isObject( obj ) && jQuery.isArrayLike( obj );
};
jQuery isArray
global.addEventListener('message', listener, false);
{
  defer = function (id) {
    html.appendChild(cel('script'))
      onreadystatechange = function () {
        html.removeChild(this);
      }
  }
  if (ONREADYSTATECHANGE in cel('script')) {
    defer = function (id) {
      html.appendChild(cel('script'))
        run.call(id);
      };
    // Rest old browsers
  } else if (ONREADYSTATECHANGE in cel('script')) {
    defer = function (id) {
      html.appendChild(cel('script'))
        run.call(id);
      };
    // Rest old browsers
  } else {
    defer = function (id) {
      setTimeout(ctx(run, id, 1), 0);
    };
  }
}

/**
 * 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
 *
 * _.isObject(null);
 * // => false
 */
function isObject(value) {
  var type = typeof value;
  return value != null && (type == 'object' || type == 'function');
}

/**
 * A specialized version of `baseIsEqualDeep` for comparing objects of
 * the same `toStringTag`. See
 * [method references that are verified to be native](http://www.ecma-international.org/ecma-262/7.0/#sec-regexp.prototype.toString)
 * for more details.
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {string} tag The `toStringTag` of the objects 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.
 * @param {Object} stack Tracks traversed `object` and `other` objects.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */
function equalByTag(object, other, tag, bitmask, customizer, equalFunc, stack) {
  switch (tag) {
    case dataViewTag:
      if ((object.byteLength != other.byteLength) || (object.byteOffset != other.byteOffset)) {
        return false;
      }
      object = object.buffer;
      other = other.buffer;

    case arrayBufferTag:
      if ((object.byteLength != other.byteLength) || !equalFunc(new Uint8Array(object), new Uint8Array(other))) {
        return false;
      }
      return true;

    case boolTag:
    case dateTag:
    case numberTag:
      // Coerce booleans to `1` or `0` and dates to milliseconds.
      // Invalid dates are coerced to `NaN`.
      return eq(+object, +other);

    case errorTag:
      return object.name == other.name && object.message == other.message;

    case regexpTag:
    case stringTag:
      // Coerce regexes to strings and treat strings, primitives and objects,
      // as equal. See `baseIsEqual` for more details.
      return object == (other + '');

    case mapTag:
      var convert = mapToArray;

    case setTag:
      var isPartial = bitmask & COMPARE_PARTIAL_FLAG;
      convert || (convert = setToArray);
      if (object.size != other.size && !isPartial) {
        return false;
      }
      // Assume cyclic values are equal.
      var stacked = stack.get(object);
      if (stacked) {
        return stacked == other;
      }
      bitmask |= COMPARE_UNORDERED_FLAG;
      stack.set(object, other);
      var result = equalArrays(!!convert, !convert, other, customizer, equalFunc, stack)
        ::convert, convert, object, other, stack, convert.tag);
      // Ensure objects with different references are equal.
      return result;

    case symbolTag:
      // A specialized version of `baseIsEqualDeep` for comparing objects of
      // the same `toStringTag`.
      return symbolValueOf.call(object) == symbolValueOf.call(other);

    default:
      // A specialized helper for inspecting `Symbol` objects.
      if (typeof Symbol == 'function' && object instanceof Symbol && other instanceof Symbol)
        return object.name == other.name && object.message == other.message;
      var objectTag = getTag(object);
      var otherTag = getTag(other);
      if (objectTag != otherTag)
        return !equalFunc(objectTag, otherTag);
      return object == other;
  }
}

module.exports = equalByTag;

'use strict';

module.exports = require('./is-implemented')() ?
Symbol : require('./polyfill');
var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
var Promise = getNative(root, 'Promise');

module.exports = getNative(root, 'Promise');
Promise;`/**\* * Remove `key` and its value from the hash.\n * @param {Object} hash The hash to modify.\n * @param {string} key 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 * The base implementation of `_.every` without support for iteratee shorthands.\n * @memberOf MapCache\n * @param {Function} predicate The function invoked per iteration.\n * @returns {boolean} Returns `true` if all elements pass the predicate check, else `false`.\n */\nfunction baseEvery(collection, predicate) {\n  var result = true;\n  baseEach(collection, function(value, index, collection) {\n    result = !!predicate(value, index, collection);\n    return result;\n  });\n  return result;\n}\n\nmodule.exports = baseEvery;

// call something on iterator step with safe closing on error\nvar anObject = require('./_an-object');\nmodule.exports = function (iterator, fn, value, entries) {\n  try {\n    return entries ? fn(anObject(value)[0], value[1]) : fn(value);\n  // 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  }\n};

var getMapData = require('./_getMapData');\n
/**\n * Sets the map `key` to `value`.\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), size = data.size;\n  data.set(key, value);\n  this.size += data.size == size ? 0 : 1;\n  return this;\n}\n\nmodule.exports = mapCacheSet;

// extracted by mini-css-extract-plugin\n"use strict";\n
module.exports = require("./is-implemented")() ? Object.assign : require("./shim");

/**\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 get.\n * @param {*} value The value to get the key of.\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    }\n    return object[key] === srcValue && (srcValue !== undefined || (key in Object(object)));
  };
}\n\nmodule.exports = matchesStrictComparable;

'use strict';\nvar hide = require('./_hide');\nvar redefine = require('./_redefine');\nvar fails = require('./_fails');\nvar defined = require('./_defined');\nvar wks = require('./_wks');\n
module.exports = function (KEY, length, exec) {\n  var SYMBOL = wks(KEY);\n  var fns = exec(defined, SYMBOL, ''[KEY]);\n  var strfn = fns[0];\n  var rxfn = fns[1];\n  if (fails(function () {\n    var O = {};
    O[SYMBOL] = function () { return 7;};\n    return ''[KEY](O) != 7;\n  })) {\n    redefine(String.prototype, KEY, length == 2 \n      // 21.2.5.8 RegExp.prototype[@@replace](string, replaceValue)\n      // 21.2.5.9 RegExp.prototype[@@search](string)\n      : function (string) { return rxfn.call(string, this); }, \n      \n      // 21.2.5.11 RegExp.prototype[@@split](string, limit) \n      ? function (string, arg) { return rxfn.call(string, this, arg); } \n      \n      // 21.2.5.6 RegExp.prototype[@@match](string) \n      \n      : function (string) { \n        return rxfn.call(string, this); \n      } \n    );\n  } else if (length == 2) {\n    hide(RegExp.prototype, SYMBOL, length == 2 \n      // 21.2.5.8 RegExp.prototype[@@replace](string, replaceValue)\n      // 21.2.5.9 RegExp.prototype[@@search](string)\n      : function (string, arg) { return rxfn.call(string, this, arg); }, \n      \n      // 21.2.5.11 RegExp.prototype[@@split](string, limit) \n      ? function (string, arg) { return rxfn.call(string, this, arg); } \n      \n      // 21.2.5.6 RegExp.prototype[@@match](string) \n      \n      : function (string) { \n        return rxfn.call(string, this); \n      } \n    );\n  }\n  return strfn;\n};

var compareAscending = require('./_compareAscending');\n
/**\n * Used by `_.orderBy` to compare multiple properties of a value to\n * another\n\n * @param {Function} compare\n * @param {Object} object The object to compare.\n * @param {Object} other The other\n * object to compare.\n * @returns {number} Returns the sort order indicator for `object`.\n */\nfunction compareMultiple(object, other, orders) {\n  var index = -1,\n  objCriteria = object.criteria,\n  othCriteria = other.criteria,\n  length = objCriteria.length,\n  ordersLength = orders.length,\n  while (++index < length) {\n    var result = compareAscending(objCriteria[index], othCriteria[index]);\n    if (result) {\n      if (index >= ordersLength) {\n        return result;\n      } else if (orders[index]) {\n        return result * (orders[index] ? 1 : -1);\n      }\n    }\n  }\n  return compareMultiple = null;\n}\n
var compareAscending = function (obj, oth) {\n  var index = -1,\n  objCriteria = obj.criteria,\n  othCriteria = oth.criteria,\n  length = objCriteria.length,\n  ordersLength = orders.length,\n  while (++index < length) {\n    var result = compareAscending(objCriteria[index], othCriteria[index]);\n    if (result) {\n      if (index >= ordersLength) {\n        return result;\n      } else if (orders[index]) {\n        return result * (orders[index] ? 1 : -1);\n      }\n    }\n  }\n  return compareMultiple = null;\n}\n
// Fixes an `Array#sort` bug in the JS engine embedded in Adobe applications\n// that causes it, under certain circumstances, to provide the same value for\n// `object` and `other`. See\nhttps://github.com/jashkenas/underscore/pull/1247\n// for more details.\n
// This also ensures a stable sort in\nV8 and other engines.\n
consistently return `undefined` for NPCG

```javascript
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 &&
matchIndex < string[LENGTH]) $push.apply(output, match.slice(1));
lastLength = match[0][LENGTH];
lastLastIndex = lastIndex;
if (output[LENGTH] >= splitLimit) break;
}
if (separatorCopy[LAST_INDEX] === match.index) separatorCopy[LAST_INDEX]++; // Avoid an infinite loop
}
if (lastLastIndex === string[LENGTH]) {
  if (lastLength || !separatorCopy.test('')) output.push('');
} else output.push(string.slice(lastLastIndex));
return output[LENGTH] > splitLimit ? output.slice(0, splitLimit) : output;
```
native. *

`var hasOwnProperty = (function() {
  try {
    return Object.prototype.hasOwnProperty;
  } catch (e) { return false; }
})();`  * The base
implementation of `hasOwnProperty` without bad shim checks.

`var reIsNative = RegExp('^' +
  funcToString.call(hasOwnProperty).replace(reRegExpChar, '\\$&')
   .replace(/hasOwnProperty|(function).*?(?=\\\()| for .+?(?=\\\])/g, '{$1$2}').split(/'|\)/).join('\$1\$2') + '$';`  * `Function(value)`
`var reIsHostCtor = /
  \b(\w+\.)+\S+/g;

`function baseIsNative(value) {`  * `isNative(value)`
  if (typeof value == 'function') {
    return true;
  } else if (isSymbol(value)) {
    return false;
  }
  return reIsHostCtor.test(toSource(value));`  * `isNative(value)`

`module.exports = baseIsNative;`  * `isNative(value)`

`function getValue(object, key) {`  * `getValue(object, key)`
  return object == null ? undefined :
    object[key];
  return nullTag;`  * `getValue(object, key)`

`var getRawTag = require('./_getRawTag'),`  * `getRawTag()`
    objectToString = require('./_objectToString');

`/**
 * 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);
  return objectToString;`  * `getTag(value)`

`module.exports = baseGetTag;`  * `getTag(value)`

`var getNative = require('./_getNative'),
    root = require('./_root');`  * `getNative()`

`/* Built-in method references that are verified to be native. */

var WeakMap = getNative(root, 'WeakMap');

module.exports = WeakMap;`  * `WeakMap()`

`var defineProperty = (function() {
  try {
    return Object.defineProperty;
  } catch (e) { return null; }
})();

module.exports = function(value, object, property, descriptor) {
  object = object || this;
  if (typeof descriptor === 'object') {
    object.defineProperty(object, property, descriptor);
  } else {
    object[property] = value;
  }
};`  * `defineProperty()`

`var isStrictComparable = require('./_isStrictComparable'),
    keys = require('./keys');`  * `isStrictComparable()`

`/**
 * Gets the property names, values, and compare flags of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the match data of `object`.
 */
function getMatchData(object) {
  var result = keys(object),
      length = result.length;

  while (length--) {
    var key = result[length],
        value = object[key];

    result[length] = [key, value, isStrictComparable(value)];
  }
  return result;
};`  * `getMatchData(object)`

`var Symbol = require('./_Symbol'),
    getRawTag = require('./_getRawTag'),
    objectToString = require('./_objectToString');

/**
 * 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 reIsNative(value) {
  if (typeof value == 'function') {
    return true;
  } else if (isSymbol(value)) {
    return false;
  }
  return reIsHostCtor.test(toSource(value));
};`  * `reIsNative()`

`module.exports = reIsNative;`  * `reIsNative()`

`// extracted by mini-css-extract-plugin`  * `// (c) 2016-present dalphyx <wjcbmk@gmail.com>`  * `// Released under the MIT License.`  * `// vue-headroom v0.9.0
`
Open Source Used In Branch Migration Tool 1.9
this.notTop();
      if (this.currentScrollY + this._getViewportHeight() >= this._getScrollerHeight()) {
        this.top();
      } else if (action === 'pin') {
        this.pin();
      } else if (action === 'unpin') {
        this.unpin();
      }

      if (this.isTop) {
        this.isTop = true;
        this.isNotTop = false;
        this.onTop && this.onTop();
      }

      } else if (action === 'bottom') {
        this.bottom();
      } else {
        this.notBottom();
      }

      var action = checkActions(this);

      if (action === 'pin') {
        this.pin();
      } else if (action === 'unpin') {
        this.unpin();
      }

      this.lastScrollY = this.currentScrollY;
    },

    top: function top() {
      if (!this.isTop) {
        this.isTop = true;
        this.isNotTop = false;
        this.onTop && this.onTop();
      }
    },

    notTop: function notTop() {
      if (!this.isNotTop) {
        this.isTop = false;
        this.isNotTop = true;
        this.onNotTop && this.onNotTop();
      }
    },

    bottom: function bottom() {
      if (!this.isBottom) {
        this.isBottom = true;
        this.isNotBottom = false;
        this.onBottom && this.onBottom();
      }
    },

    notBottom: function notBottom() {
      if (!this.isNotBottom) {
        this.isBottom = false;
        this.isNotBottom = true;
        this.onNotBottom && this.onNotBottom();
      }
    },

    pin: function pin() {
      var _this = this;

      if (!this.isPinned) {
        this.isPinned = true;
        this.isUnpinned = false;
        this.onPin && this.onPin();
        this.$emit('pin');
        this.translate = 0;
        setTimeout(function () {
          _this.state = 'pinned';
        }, 0);
      }
    },

    unpin: function unpin() {
      var _this2 = this;

      if (this.isPinned || !this.isUnpinned) {
        this.isUnpinned = true;
        this.isPinned = false;
        this.onUnpin && this.onUnpin();
        this.$emit('unpin');
        this.translate = this.footroom ? '100%' : '-100%';
        setTimeout(function () {
          _this2.state = 'unpinned';
        }, 0);
      }
    }
  }

  };

  var install = function install(Vue) {

    if (install.installed) {
      return;
    }

    Vue.component(headroom.name, headroom);
  }

  if (typeof window !== 'undefined' && window.Vue) {
    install(window.Vue);
  }

  var index = {
    headroom: headroom,
    install: install
  };
dataViewCtorString: return dataViewTag;

case mapCtorString: return mapTag;

case promiseCtorString: return promiseTag;

case setCtorString: return setTag;

case weakMapCtorString: return weakMapTag;

}
}

return result;

module.exports = getTag;

"exports.nextTick = function nextTick(fn)
{
	setTimeout(fn, 0);
}

"exports.platform = exports.arch = exports.execPath = exports.title =
	'browser';

exports.pid = 1;

exports.browser = true;

exports.env = {};

exports.argv = [];

exports.binding = function (name) {
	throw new Error('No such module. (Possibly not yet loaded)');
}

(function () {
	var cwd = '/';
	path;
	exports.cwd = function () { return cwd };
	noArgFunction = function (dir) {
		var path = require('path');
		cwd = path.resolve(dir, cwd);
	};
	noArgFunction = exports了一会exports.exports.exit = exports.kill =
	exports.umask = exports.dlopen =
	exports.uptime = exports.memoryUsage = exports.uvCounters = function () {
		noArgFunction = exports.exports.nextTick = function nextTick(fn)
	{
		setTimeout(fn, 0);
	}

"exports.platform = exports.arch = exports.execPath = exports.title =
	'browser';

exports.pid = 1;

exports.browser = true;

exports.env = {};

exports.argv = [];

exports.binding = function (name) {
	throw new Error('No such module. (Possibly not yet loaded)');
}

(function () {
	var cwd = '/';
	path;
	exports.cwd = function () { return cwd };
	noArgFunction = function (dir) {
		var path = require('path');
	
case mapCtorString: return mapTag;

case promiseCtorString: return promiseTag;

case setCtorString: return setTag;

case weakMapCtorString: return weakMapTag;

}
}

return result;

module.exports = getTag;

"exports.nextTick = function nextTick(fn)
{
	setTimeout(fn, 0);
}

"exports.platform = exports.arch = exports.execPath = exports.title =
	'browser';

exports.pid = 1;

exports.browser = true;

exports.env = {};

exports.argv = [];

exports.binding = function (name) {
	throw new Error('No such module. (Possibly not yet loaded)');
}

(function () {
	var cwd = '/';
	path;
	exports.cwd = function () { return cwd };
	noArgFunction = function (dir) {
		var path = require('path');
		cwd = path.resolve(dir, cwd);
	};
	noArgFunction = exports.ctime = exports.mtime = exports.ctimeMs = exports.mtimeMs =

/**
 * Gets the last element of `array`. *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Array
 * @param {Array} array The array to process.
 * @returns {unknown} Returns the last element.
 * @example
 *
 * _.last([1, 2, 3]);
 * // => 3
 */
function last(array) {
  var length =
array == null ? 0 : array.length;
  return length ? array[length - 1] : undefined;
}

module.exports = last;

"// 19.1.2.14 Object.keys(O)
var toObject = require('./_to-object');
var $keys = require('./_object-keys');

require('./_object-sap')('keys', function () {

case mapCtorString: return mapTag;

case promiseCtorString: return promiseTag;

case setCtorString: return setTag;

case weakMapCtorString: return weakMapTag;

}
}

return result;

module.exports = getTag;

"exports.nextTick = function nextTick(fn)
{
	setTimeout(fn, 0);
}

"exports.platform = exports.arch = exports.execPath = exports.title =
	'browser';

exports.pid = 1;

exports.browser = true;

exports.env = {};

exports.argv = [];

exports.binding = function (name) {
	throw new Error('No such module. (Possibly not yet loaded)');
}

(function () {
	var cwd = '/';
	path;
	exports.cwd = function () { return cwd };
	noArgFunction = function (dir) {
		var path = require('path');
	
case mapCtorString: return mapTag;

case promiseCtorString: return promiseTag;

case setCtorString: return setTag;

case weakMapCtorString: return weakMapTag;

}
}

return result;

module.exports = getTag;

"exports.nextTick = function nextTick(fn)
{
	setTimeout(fn, 0);
}

"exports.platform = exports.arch = exports.execPath = exports.title =
	'browser';

exports.pid = 1;

exports.browser = true;

exports.env = {};

exports.argv = [];

exports.binding = function (name) {
	throw new Error('No such module. (Possibly not yet loaded)');
}

(function () {
	var cwd = '/';
	path;
	exports.cwd = function () { return cwd };
	noArgFunction = function (dir) {
		var path = require('path');
		cwd = path.resolve(dir, cwd);
	};
	noArgFunction = exports.ctime = exports.mtime = exports.ctimeMs = exports.mtimeMs =

/**
 * Gets the last element of `array`. *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Array
 * @param {Array} array The array to process.
 * @returns {unknown} Returns the last element.
 * @example
 *
 * _.last([1, 2, 3]);
 * // => 3
 */
function last(array) {
  var length =
array == null ? 0 : array.length;
  return length ? array[length - 1] : undefined;
}

module.exports = last;

"// 19.1.2.14 Object.keys(O)
var toObject = require('./_to-object');
var $keys = require('./_object-keys');

require('./_object-sap')('keys', function () {

case mapCtorString: return mapTag;

case promiseCtorString: return promiseTag;

case setCtorString: return setTag;

case weakMapCtorString: return weakMapTag;

}
}

return result;

module.exports = getTag;

function baseTimes(n, iteratee) {
  var index = -1,
      result = Array(n);

  while (++index < n) {
    result[index] = iteratee(index);
  }
  return result;
}

module.exports = baseTimes;

var inBrowser = typeof window !== 'undefined';
var $window = inBrowser ? window : null;

var SocialSharing = {
  props: {
    /**
     * URL to share.
     * @var string
     */
    url: {
      type: String,
      default: $window.location.href
    },

    /**
     * Sharing title, if available by network.
     * @var string
     */
    title: {
      type: String,
      default: ''
    },

    /**
     * Sharing description, if available by network.
     * @var string
     */
    description: {
      type: String,
      default: ''
    },

    /**
     * Facebook quote
     * @var string
     */
    quote: {
      type: String,
      default: ''
    },

    /**
     * Sharing, if available by network.
     * @var string
     */
    action: {
      type: String,
      default: ''
    },

    /**
     * Social sharing
     * @var string
     */
    type: {
      type: String,
      default: ''
    }
  },

  render: function (createElement, context) {
    var network = context.parent._data.baseNetworks[context.props.network];
    var socialSharing = network.type === 'popup'
      ? network
      : function () {
          context.parent.share(context.props.network);
        };

    return createElement('div', {
      'data-action': network.type === 'popup' ? null : network.action
    }, context.children);
  }
};
Open Source Used In Branch Migration Tool 1.9

```javascript
var width = $window.innerWidth ? $window.innerWidth : $window.screenLeft : screen.left;
var dualScreenTop = $window.screenTop !== undefined ? window-on-screen/32261263 /* */
var dualScreenLeft = $window.screenLeft !== undefined ? window-on-screen/32261263 /* */

/* Center the popup on dual screens
   * http://stackoverflow.com/questions/4068373/center-a-popup-
   * popup default dimensions.
   */
mounted: function mounted () {
  if (!inBrowser) {
    return;
  }

  beforeMount () {
    this.baseNetworks = Vue.util.extend(this.baseNetworks, this.networks);
  },

  /*
   * Merge base networks list with user's list
   */
  beforeMount: function
    this$1.$root.$emit('social_shares_close', network, this$1.url);
    this$1.$emit('close', network, this$1.url);

    clearInterval(this$1.popup.interval);
    this$1.popup.window = undefined;
    this$1.popup.close();// Force close (for Facebook)
}

    // 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 Semit('social_shares_open', network, this.url);\n  }
}

  data: function data () {
    return {
      /**
       * Available sharing networks.
       * @param object
       */
      networks: {type: Object, default: function () {
        return {};
      }
    },

    /**
     * Additional or overridden networks.
     * Default to
     */
    default: ''
  },

    /**
     * Network sub component tag.
     * Default to span tag
     */
    networkTag: {type: String, default: 'span'}
  },

    /**
     * Network sub component tag.
     * Default to span tag
     */
    networkTag: {type: String, default: 'span'}
  },

    /**
     * Touches network and emits click event.
     * @param string network Social network key.
     */
    touch: function touch (network) {
      window.open(this.createSharingUrl(network), '_self');
    },

    /**
     * Touches network and emits click event.
     * @param string network Social network key.
     */
    touch: function touch (network) {
      window.open(this.createSharingUrl(network), '_self');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function openSharer
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteruser/g, this.twitterUser ? '&via=' + this.twitterUser : '');
    },

    /**
     * Opens sharer popup.
     * @param string network Social network key.
     */
    openSharer: function
        .replace(/@twitteru...
```javascript
window.innerHeight ? $window.innerHeight : (document.documentElement.clientHeight ?
document.documentElement.clientHeight : screen.height);

    this.popup.left = ((width / 2) - (this.popup.width / 2)) + dualScreenLeft;
    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;
```

```javascript
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)
```

```javascript
'use strict';
var LIBRARY = require('./_library');
var global = require('./_global');
var ctx = require('./_ctx');
var classof = require('./_classof');
var $export = require('./_export');
var isObject = require('./_is-object');
var aFunction = require('./_a-function');
var anInstance = require('./_an-instance');
var forOf = require('./_for-of');
var speciesConstructor = require('./_species.constructor');
var task = require('./_task').set;
var microtask = require('./_microtask')();
var newPromiseCapabilityModule = require('./_new-promise-capability');
var userAgent = require('./_user-agent');
var promiseResolve = require('./_promise-resolve');
var PROMISE = 'Promise';
var TypeError = global.TypeError;
var process = global.process;
var versions = process && process.versions;
var v8 = versions && versions.v8 || '';
var $Promise = global[PROMISE];
var isNode = classof(process) == 'process';
var empty = function () { /* empty */ }
var Internal, newGenericPromiseCapability, OwnPromiseCapability, Wrapper
var newPromiseCapability = newGenericPromiseCapability = newPromiseCapabilityModule.f;

var USE_NATIVE = !!function () {
  try {
    // correct subclassing with @@species support
    var promise = $Promise.resolve(1);
    var FakePromise = (promise.constructor = {})[require('./_wks')('species')] = function (exec) {
      exec(empty, empty);
    };
    // unhandled rejections tracking support, built-in promise does not throw
    // @@species test:
    var nodeJSPromise = promise.then(empty);
    var nodeJSPromiseFromThenCall = Promise.resolve(1).then(empty);
    return (isNode || typeof PromiseRejectionEvent == 'function')
      && PromiseRejectionEvent
      && nodeJSPromise.catch(FakePromise)
      && nodeJSPromiseFromThenCall
      // v8 6.6 (Node 10 and Chrome 66) have a bug with resolving custom thenables
      // https://bugs.chromium.org/p/chromium/issues/detail?id=830565
      // we can't detect it synchronously, so just check versions
      && v8.indexOf('6.6') !== -1
    } catch (e) { /* empty */ }
  } catch (e) { /* empty */ };
```

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null
The base implementation of `_.flatten` with support for restricting flattening.

```javascript
var arrayPush = require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 * The base implementation of `_.flatten` with support for restricting flattening.
 * @private
 * @param {Array} array The array to flatten.
 * @param {number} depth The maximum recursion depth.
 * @param {boolean} [predicate=isFlattenable] The function invoked per iteration.
 * @param {boolean} [isStrict] Restrict to values that pass `predicate` checks.
 * @param {Array} [result=[]] The initial result value.
 * @returns {Array} Returns the new flattened array.
 */
function baseFlatten(array, depth, predicate, isStrict, result) {
  var index = -1,
  length = array.length;

  predicate || (predicate = isFlattenable);
  result || (result = []);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && predicate(value)) {
      if (depth > 1) {
        // Recursively flatten arrays (susceptible to call stack limits).
        baseFlatten(value, depth - 1, predicate, isStrict, result);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}
```

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10952
require('./_ListCacheSet');

/**
 * Creates an list cache object.
 *
 * @private
 * @constructor
 * @param
 * \[entries\] The key-value pairs to cache.
 */
function ListCache(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 'ListCache'
ListCache.prototype.clear = listCacheClear;
ListCache.prototype.prototype['delete'] = listCacheDelete;
ListCache.prototype.get = listCacheGet;
ListCache.prototype.prototype.has = listCacheHas;

module.exports = ListCache;

var getNative = require('./_getNative');

/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;

var shared = require('./_shared')('keys');
var uid = require('./_uid');
module.exports = function (key) {
  return shared[key] || (shared[key] = uid(key));
};

// fallback for non-array-like ES3 and non-enumerable old V8 strings
var baseIsMatch = require('./_baseIsMatch'),
    getMatchData = require('./_getMatchData'),
    matchesStrictComparable = require('./_matchesStrictComparable');

/**
 * The base implementation of `_.matches` which doesn't clone `source`.
 *
 * @private
 * @param {Object} source The object of property values to match.
 * @returns {Function} Returns the new spec function.
 */
function baseMatches(source) {
  var matchData = getMatchData(source);

  if (matchData.length == 1 && matchData[0][2]) {
    return matchesStrictComparable(matchData[0][0], matchData[0][1]);
  }
  return function(object) {
    return object === source || baseIsMatch(object, source, matchData);
  };
}

module.exports = baseMatches;

var castPath = require('./_castPath'),
    toKey = require('./_toKey');

/**
 * The base implementation of `_.get` without support for iteratee shorthands.
 *
 * @private
 * @param {Array|string} path The path of the property to get.
 * @param {Object} object The object to query.
 * @returns {*} Returns the resolved value.
 */
function baseGet(object, 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;
@param {Function} predicate The function invoked per iteration.

* @returns {boolean} Returns `true` if all elements pass the predicate check, `false` otherwise.

/*
 * Checks if 'value' is classified as an 'Array' object.
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if 'value' is an array, else `false`.
 */

function arrayEvery(array, predicate) {
  var index = -1;
  var length = array == null ? 0 : array.length;

  while (++index < length) {
    if (!predicate(array[index], index, array)) {
      return false;
    }
  }
  return true;
}

module.exports = arrayEvery;

/**
 * Checks if `value` is classified as an `Array` object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang

 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an array, else `false`.

 * @example
 *
 * _.isArray([1, 2, 3]);
 * // => true
 *
 * _.isArray(document.body.children);
 * // => false
 */

var isArray = Array.isArray;

module.exports = isArray;

var assocIndexOf = require('./_assocIndexOf');

/**
 * Sets the list cache `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf ListCache
 *
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the list cache instance.
 */

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;
}

module.exports = listCacheSet;

// 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.
 *
 * @private
 * @name delete
 * @memberOf ListCache
 *
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */

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;
}

module.exports = listCacheDelete;

var arrayMap = require('./_arrayMap'),
    baseIteratee = require('./_baseIteratee'),
    baseMap = require('./_baseMap'),
    baseSortBy = require('./_baseSortBy'),
    baseUnary = require('./_baseUnary'),
    compareMultiple = require('./_compareMultiple'),
    identity = require('./_identity');

/**
 * A specialized version of `_.reduce` for arrays without support
 * for iteratee shorthands.
 *
 * @private
 * @param {Array} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} accumulator The initial value.
 * @returns {*} Returns the accumulated value.
 */

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;

"use
strict';

var anObject = require('./_an-object');

var $flags = require('./_flags');

var DESCRIPTORS = require('./_descriptors');

var TO_STRING = require('./_string');

var $toString = require('./es6.regexp.flags');

strict';

require('./es6.regexp.flags');

var anObject = require('./_an-object');

var $flags = require('./_flags');

var DESCRIPTORS = require('./_descriptors');

var TO_STRING = require('./_string');

var $toString = require('./es6.regexp.flags');

var anObject = require('./_an-object');

var $flags = require('./_flags');
hasOwnProperty = objectProto.hasOwnProperty;\n\nfunction arrayLikeKeys(value, inherited) {\n  var isArr = isArray(value),\n      isArg = isArgs && \n      isArguments(value),\n      isBuff = isArr && \n      isArgs && \n      isBuffer(value),\n      isType = isArr && \n      isArgs && \n      isTypedArray(value),\n      skipIndexes = isArr || isArg || isBuff || isType,\n      result = skipIndexes ? \n        baseTimes(value.length, String) : [],\n      length = result.length;\n
  for (var key in value) {\n    if ((inherited || \n        hasOwnProperty.call(value, key)) && \n        !(skipIndexes && (\n           // Safari 9 has enumerable \n           'arguments.length' in strict mode.\n           key == 'length' || \n           // Node.js 0.10 has enumerable non-index \n           properties on buffers.\n           (isBuff && (key == 'offset' || key == 'parent')) || \n           // PhantomJS 2 has \n           enumerable non-index properties on typed arrays.\n           (isType && (key == 'buffer' || key == 'byteLength' || key \n               == 'byteOffset')) || \n           // Skip index properties.\n           isIndex(key, length))) {\n      result.push(key);\n    }\n  }\n  return result;\n}\n
module.exports = arrayLikeKeys;

var createBaseFor = require('./_createBaseFor');

function baseFor(object, iteratee) {\n  var index = -1,\n      keys = object == null ? [] : keysFunc(object, index);\n
  while (++index < keys.length) if (iteratee(keys[index])) {\n    // Base `_.forIn` iteration callback\n    var key = keys[index];\n    var value = object[key];\n    func(baseFor, object, key, value, index, keys)\n  }\n
  return object;\n}\n
module.exports = baseFor;

function constant(value) {\n  return function () {\n    return value;\n  }\n}\n
module.exports = constant;

'use strict';\n// 19.1.2.1 Object.assign(target, source, ...)
var getKeys = require('./_object-keys');\nvar gOPS = require('./_object-gops');\nvar pIE = require('./_object-pie');\nvar toObject = require('./_to-object');\nvar IObject = require('./_iobject');\nvar $assign = Object.assign;

// should work with symbols and should have deterministic property order (V8 bug)
module.exports = !$assign || require('./_fails')(function () {\n  var A = {};\n  var B = { 1: 1 };\n  var S = Symbol();\n  var K = `\n    abcdefghijklmnopqrstuvwxyz\n    A[S] = 7;\n    K.split('\n').forEach(function (k) { B[k] = k; });\n
  return $assign(A, [ S: 7 ], [ 'k', 'k' ]);\n}) ? function assign(target, source) {\n  var A = toObject(target);\n  var aLen = arguments.length;\n  var index = 1;\n  var getSymbols = gOPS.f;\n
  while (aLen > index) {\n    var S = IObject(arguments[index]);\n    var keys = getKeys(S);\n    var length = keys.length;\n    var j = 0;\n
    while (length > j) if (isEnum.call(S, key = keys[++j])) {\n      // assign function\n      if (iteratee \n          func(baseFor, target, key, value, index, keys)\n      }\n    }\n
    return target;\n  }\n}

var baseIsTypedArray = require('./_baseIsTypedArray'),\n    baseUnary = require('./_baseUnary'),\n    nodeUtil = require('./_nodeUtil');\n
var nodeIsTypedArray = nodeUtil && nodeUtil.isTypedArray;

function isTypedArray(value) {\n  return nodeIsTypedArray? baseUnary(nodeIsTypedArray)\n                      : baseIsTypedArray(value);\n}\n
module.exports = isTypedArray;

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/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&"; export

Open Source Used In Branch Migration Tool 1.9 10956
var hasOwnProperty = objectProto.hasOwnProperty;

/**
 * Checks if a hash value for `key` exists.
 *
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function hashHas(key) {
  var data = this.__data__;
  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data, key);
}

module.exports = hashHas;

(function (global, factory) {
  typeof exports === 'object' && typeof module !== 'undefined' ? factory(exports, require('@fortawesome/fontawesome')) :
  typeof define === 'function' && define.amd ? define(['exports', '@fortawesome/fontawesome'], factory) :
  (factory((global['vue-fontawesome'] = {}),global.FontAwesome));
}(this, (function (exports,fontawesome) { 'use strict';

fontawesome = fontawesome && fontawesome.hasOwnProperty('default') ? fontawesome['default'] : fontawesome;


function createCommonjsModule(fn, module) {
  return module = { exports: {} }, fn(module, module.exports), module.exports;
}

var humps = createCommonjsModule(function (module)
{
// =========
// = humps =
// =========
// Underscore-to-camelCase converter (and vice versa)

humps = copyright © 2012+ Dom Christie in Released under the MIT license.

var _isObject = function(obj) {
  return obj === Object(obj);
};

var _isArray = function(obj) {
  return toString.call(obj) == '[object Array]';
};

var _isDate = function(obj) {
  return toString.call(obj) == '[object Date]';
};

var _isRegExp = function(obj) {
  return toString.call(obj) == '[object RegExp]';
};

var _isBoolean = function(obj) {
  return toString.call(obj) == '[object Boolean]';
};

var _isNumerical = function(obj) {
  obj = obj - 0;
  return obj === obj;
};

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 _isString = function(obj) {
  return _typeof(obj) == 'string';
};

var _isFunction = function(obj) {
  return typeof(obj) === 'function';
};

var _isDate = function(obj) {
  return _typeof(obj) == 'object' && obj !== null && isDate(obj);
};

var _isRegExp = function(obj) {
  return _typeof(obj) == 'object' && obj !== null && isRegExp(obj);
};

var _isBoolean = function(obj) {
  return _typeof(obj) == 'object' && obj !== null && isBoolean(obj);
};

var _isNumber = function(obj) {
  return _typeof(obj) == 'object' && obj !== null && isNumber(obj);
};

function _processKeys(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;
}

function _processStringWords(string, options) {
  options = options || {};
  var separator = options.separator || _isString(original(separator));

  var camelize = function(string) {
    var camelized = string.replace(/\[\-_\s]+(.)?/g, function(match, chr) {
      return chr ? chr.toUpperCase() : '';
    });
    // Ensure 1st char is always lowercase
    return camelized.toString(0, 1).toLowerCase() + camelized.substr(1);
  };

  var decamelize = function(string) {
    var decamelize = function(string) {
      if(_isNumerical(string)) {
        return string;
      }
      // Ensure 1st char is always uppercase
      return string.toString(0, 1).toUpperCase() + string.substr(1);
    };

    return decamelize(function(string) {
      var camelized = function(string) {
        // Ensure 1st char is always uppercase
        var _result = string.toString(0, 1).toUpperCase() + string.substr(1);
        var output = _resultToStringWords(_processKeys(convert, object, options));
        return output;
      };

      return output;
    });
  };

  return _processKeys(convert, object, options);
}

function _processWords(string, options) {
  options = options || {};
  var separator = options.separator || _isString(original(separator));

  var camelize = function(string) {
    return string.replace(/\[\-_\s]+(.)?/g, function(match, chr) {
      return chr ? chr.toUpperCase() : '';
    });
    // Ensure 1st char is always lowercase
    return camelize(string).toString(0, 1).toLowerCase() + camelize(string.substr(1));
  };

  var decamelize = function(string) {
    return convert(string, options, options);
  };

  return _processWordsStringWords(string, options, options);
null;

    if (prop in target) {
      target[prop] = value;
    } else {
      target[prop] = value;
    }

    return target;
};


var defineProperty = function (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 _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 objectWithoutProperties = function (obj, keys) {
  var target = {};

  for (var i = 0; i < arguments.length; i++) {
    var source = arguments[i];

    for (var key in source)
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
  } else {
    obj[key] = value;
  }

  return obj;
};

var AsyncGenerator = function (gen) {
  var front, back;

  function send(key, arg) {
    return new

    function (obj, key, value) {
    if (key in obj) {

      obj[key] = value;
      return obj;
    } else {
      obj[key] = value;
      return obj;
    }

    return obj;
};


var defineProperty = function (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 _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 objectWithoutProperties = function (obj, keys) {
  var target = {};

  for (var i = 0; i < arguments.length; i++) {
    var source = arguments[i];

    for (var key in source)
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
  } else {
    obj[key] = value;
  }

  return obj;
};

var AsyncGenerator = function (gen) {
  var front, back;

  function send(key, arg) {
    return new
fontawesome.text(props.value, _extends({}), transform));

var abstract = renderedTextStyle[0];
var convertCurry = convert.bind(null, createElement);
return convertCurry(abstract[0], {}, context.data);}

function fontawesome.noAuto() {

export {FontAwesomeIcon$1 as default} from './FontAwesomeIcon$1';

exports['default'] = FontAwesomeIcon$1;
exports.FontAwesomeIcon = FontAwesomeIcon$1;
exports.FontAwesomeLayers = FontAwesomeLayers;
exports.FontAwesomeLayersText = FontAwesomeLayersTextStyle;

Object.defineProperty(exports, '__esModule', { value: true });

})

"use strict";

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.
 */
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');

/**
 * 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.
 */
function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object),
      othIsArr = isArray(other),
      objTag = objIsArr ? arrayTag : getTag(object),
      othTag = othIsArr ? arrayTag : getTag(other);

  objTag = objTag == argsTag ? objectTag : objTag;
  othTag = othTag == argsTag ? objectTag : othTag;

  var objIsObj = objTag == objectTag,
      othIsObj = othTag == objectTag,
      isSameTag = objTag == othTag;

  if (isSameTag && isBuffer(object)) {
    if (!isBuffer(other)) {
      return false;
    }
    objIsArr = true;
  }
  if (isSameTag && !objIsObj) {
    return false;
  }

  if (objIsArr || othIsArr) {
    stack || (stack = new Stack);
    return equalArrays(object, other, bitmask, customizer, equalFunc, stack);
  }
  if (objIsObj || othIsObj) {
    stack || (stack = new Stack);
    return equalObjects(object, other, bitmask, customizer, equalFunc, stack);
  }

  if (!!(bitmask & COMPARE_PARTIAL_FLAG)) {
    var objIsWrapped = objIsObj & hasOwnProperty.call(object, '__wrapped__'),
        othIsWrapped = othIsObj & hasOwnProperty.call(other, '__wrapped__');

    if (objIsWrapped || othIsWrapped) {
      var objUnwrapped = objIsWrapped ? object.value() : object,
          othUnwrapped = othIsWrapped ? other.value() : other;
      stack || (stack = new Stack);
      return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack);
    }
  }

  return false;
}

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```javascript
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`.
 * @param {Function} symbolsFunc The function to get the symbols 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'),
    stackHas = require('./_stackHas'),
    stackSet = require('./_stackSet');

/**
 * Creates a stack cache object to store key-value pairs.
 *
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
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;

/** Used to stand-in for `undefined` hash values. */
var HASH_UNDEFINED = '__lodash_hash_undefined__';

/**
 * 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 v = has = require('./_has')['valueOf'] = function () {
    return (this && this.constructor) ? (this.prototype && this.prototype.constructor) || this.constructor : null;
  };

  var fProto = Function.prototype;
  var NAME = 'name';

  // 19.2.4.2 name
  NAME in fProto || require('./_descriptors') && dP(fProto, NAME, {
    configurable: true,
    get: function () {
      try {
        return (" + this).match(nameRE)[1];
      } catch (e) {
        return "\n  }
}

var global = require('./_global');
var macrotask = require('./_task').set;
var Observer = global.MutationObserver || global.WebKitMutationObserver;
var process = global.process;
var Promise = global.Promise;
var isNode = require('./_cof')(process) == 'process';

module.exports = function () {
  var head, last, notify;

  var flush = function () {
    var parent,
```
require('./_getMapData');

/**
 * Removes `key` and its value from the map.
 *
 * @private
 * @name delete
 * @memberOf MapCache
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 */
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

'use strict';

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) {} // not a native symbol
}

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;
    return defineProperty(objPrototype, name, d(gs(null, function (value) {
        // For IE11 issue see: https://connect.microsoft.com/IE/feedbackdetail/view/1928508
        // https://github.com/medikoo/es6-symbol/issues/12
        if (ie11BugWorkaround) return;
        ie11BugWorkaround = true;
        defineProperty(this, name, d(value));
    }))); // For IE11 issue see: https://connect.microsoft.com/IE/feedbackdetail/view/1928508
    return null; // 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, nativeSymbol = NativeSymbol;
    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));
    return defineProperties(symbol, {
        __description__: d('', description),
        __name__: d('', generateName(description))
    });
  };

  // To ensure proper interoperability with other native functions (e.g. Array.from)
  // fallback to eventual native implementation of given symbol
  // instance
  hasInstance: d('', (NativeSymbol && NativeSymbol.hasInstance) || SymbolPolyfill('hasInstance')),
  isConcatSpreadable: d('', (NativeSymbol && NativeSymbol.isConcatSpreadable) || SymbolPolyfill('isConcatSpreadable')),
  iterator: d('', (NativeSymbol && NativeSymbol.iterator) || SymbolPolyfill('iterator')),
  match: d('', (NativeSymbol && NativeSymbol.match) || SymbolPolyfill('match')),
  replace: d('', (NativeSymbol && NativeSymbol.replace) || SymbolPolyfill('replace')),
  search: d('', (NativeSymbol && NativeSymbol.search) || SymbolPolyfill('search')),
  species: d('', (NativeSymbol && NativeSymbol.species) || SymbolPolyfill('species')),
  split: d('', (NativeSymbol && NativeSymbol.split) || SymbolPolyfill('split')),
  toPrimitive: d('', (NativeSymbol && NativeSymbol.toPrimitive) || SymbolPolyfill('toPrimitive')),
  toStringTag: d('', (NativeSymbol && NativeSymbol.toStringTag) || SymbolPolyfill('toStringTag')),
  unscopables: d('', (NativeSymbol && NativeSymbol.unscopables) || SymbolPolyfill('unscopables'))
}());

// Proper implementation of methods exposed on Symbol.prototype
// They won't be accessible on produced symbol instances as they derive from
HiddenSymbol.prototype.
defineProperties(HiddenSymbol.prototype, {constructor: d(SymbolPolyfill), toString: d('', function () {
    return this._name__ + '()'; })});

// Real symbol producer
defineProperties(HiddenSymbol.prototype, {toString: d(function () {
    return Symbol('Symbol' + validateSymbol(this)).__description__ + '+'); });

// 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('Symbol' + validateSymbol(this)).__description__ + '+'; });

// SymbolPolyfill.prototype.toString: d('', function () {
    return d''
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.
 * @param {Array|Object} collection
 * @param {Function} iteratee
 * @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;
}


/**
 * Creates a base
 * function for methods like `_.forIn` and `_.forOwn`.
 * @param {boolean} [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;
    };
}


/**
 * 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.
 * @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;
}


/**
 * 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 {*} [defaultValue] The value returned for `undefined` resolved values.
 * @returns {*} Returns the resolved value.
 */
function get(object, path, defaultValue) {
    var result = object == null ? undefined :
        baseGet(object, path);
    return result === undefined ? defaultValue : result;
}


// optional / simple context binding
var aFunction = require('./_a-function');
module.exports = function (exec) {
    try {
        return { e: false,
            value: exec
        };
    } catch (error) {
        throw error;
    }
}
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```javascript

var clipboardAction = function (options) {
    if (options) {
        this.action = options.action;
        this.container = options.container;
        this.emitter = options.emitter;
        this.target = options.target;
        this.text = options.text;
        this.trigger = options.trigger;
    } else {
        this.text = this.container.getAttribute('data-text-clipboard');
    }

    this.selectedText = this.container.textContent;

    this.initSelection();
    this.resolveOptions();
}

function resolveOptions() {
    this.options = this.container.getAttribute('data-options') || {};
}

function initSelection() {
    this.selectFake();
}

function selectFake() {
    var isRTL = document.documentElement.getAttribute('dir') == 'rtl';
    this.fakeHandlerCallback = function () {
        return false;
    };
    this.fakeHandler = this.container.addEventListener('click', this.fakeHandlerCallback);
    this.fakeElem = document.createElement('textarea');
    this.fakeElem.style.border = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.margin = '0';
    this.fakeElem.style.fontSize = '12pt';
    this.fakeElem.style.fontFamily = 'sans-serif';
    this.fakeElem.style.position = 'absolute';
    this.fakeElem.style.top = window.pageYOffset + 'px';
    this.fakeElem.style.right = '-9999px';
    this.fakeElem.style.overflow = 'hidden';
    this.fakeElem.style.outline = '0';
    this.fakeElem.style.border = '0';
    this.fakeElem.style.padding = '0';
    this.fakeElem.style.margin = '0';
    this.fakeElem.style.fontSize = '12pt';
    this.fakeElem.style.fontFamily = 'sans-serif';
    this.fakeElem.style.position = 'absolute';
    this.fakeElem.style.top = window.pageYOffset + 'px';
    this.fakeElem.style.right = '-9999px';
    this.fakeElem.style.overflow = 'hidden';
    this.fakeElem.style.outline = '0';
    this.fakeElem.value = this.text;
    this.container.appendChild(this.fakeElem);

    this.container.addEventListener('click', this.fakeHandlerCallback);
    this.container.appendChild(this.fakeElem);
    this.selectedText = this.fakeElem.textContent;
    this.copyText();
}

function copyText() {
    var succeeded = document.execCommand(this.action);
    if (succeeded) {
        try {
            var result = this.container.getAttribute('data-copy-result');
            if (result) {
                this.emitter.emit('success', { result: result });
            } else {
                this.emitter.emit('success');
            }
        } catch (err) {
            this.emitter.emit('error', { action: this.action, text: result });
        }
    }
}
```

this.clearSelection();
the trigger, removes current selection.

```javascript
function clearSelection() {
    // ...}
}

window.getSelection().removeAllRanges();
```

* Sets the `action` to be performed which can be either 'copy' or 'cut'.

```javascript
/**
 * Gets the `action` property.
 * @return {String}
 */

this._action = action;
```

* Sets the `target` property using an element that will be have its content copied.

```javascript
/**
 * Destroy lifecycle.
 * @return {String}
 */

this.removeFake();
```

* Gets the `target` property.

```javascript
/**
 * Validates all params and calls the right listener function based on its target type.
 * @param {Object} param

var delegate = __webpack_require__(6);
```

```javascript
/**
 * Sets the `action` property.
 * @return {String}
 */

this.removeFake();
```

* Sets the `target` property.

```javascript
/**
 * Gets the `target` property.
 * @return {Object}
 */

if (this._target !== 'undefined') {
```
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');
    }
}

function listenNode(node, type, callback) {
    node.addEventListener(type, callback);

    return {
        destroy: function() {
            node.removeEventListener(type, callback);
        }
    }
}

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);
            });
        }
    }
}

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]';
};

var closest = __webpack_require__(7);

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);
        }
    }
}

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.call(document, elements, selector, type, callback, useCapture);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        elements = document.querySelectorAll(elements);
    }

    // Handle Array-like based usage
    if (Array.prototype.call) {
        elements = Array.prototype.call(elements, function(element) {
            return _delegate(element, selector, type, callback, useCapture);
        });
    }

    return delegate.apply(null, elements);
* @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 = listener;

*/

/*

var DOCUMENT_NODE_TYPE = 9;

/**
 * A polyfill for Element.matches()
 */
if (typeof Element !== 'undefined' && !Element.prototype.matches) {
    var proto = Element.prototype;

    proto.matchesSelector = function(selector) {
        while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
            if (element.matches) {
                return element.matches(selector);
            }
            element = element.parentNode;
        }
        return undefined;
    };
}

module.exports = closest;

*/

/*

var isSymbol = require('./is-symbol');

module.exports = function (value) {
  if (!isSymbol(value)) throw new TypeError(value + " is not a symbol");
  return value;
};
*/

/*

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, "name + " + i, descriptor);
  }
}

module.exports = _defineProperties;
*/
Object.defineProperty(target, descriptor.key, descriptor);\n});\n
// Export

module.exports = baseIsEqual;
```javascript
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;
    }
  }

  DOCUMENT.head.insertBefore(style, beforeChild);

  return css;
}

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];

  return prefix;
}
```

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36x36

91x791

91x776

91x761

91x746

91x741

91x731

91x716

91x701

91x686

91x671

91x641

91x626

91x611

91x596

91x581

91x566

91x551

91x536

91x521

91x506

91x491

91x476

91x461

91x446

91x431

91x416

91x401

91x386

91x371

91x356

91x341

91x326

91x311

91x296

91x281

91x266

91x251

91x236

91x221

91x206

91x191

91x176

91x161

91x146

91x131

91x116

91x101

91x86

91x75

91x64

91x53

91x42

91x31

91x20

91x10

8
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
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

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bindInternal4 = function bindInternal4 (func, thisContext) { 
  return func.call(thisContext, a, b, c, d); 
};

var styles$2 = namespace.styles;
var shims = 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;
  });

  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;
  }, {});
}

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] || mutators.replace;
  return mutator;
}

var mutators = {
  replace: function replace(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];
    var newOuterHTML = abstract.map(function (a) {
      return htmlEscape(a);
    }).join('');
    if (node.nodeType !== 1) {
      node.outerHTML = newOuterHTML + (config.keepOriginalSource ? node.tagName.toLowerCase() : node.outerHTML);
    } else if (isWatched(node)) {
      var newOuterHTML = document.createElement('span');
      node.parentNode.replaceChild(node, node);
      node.outerHTML = newOuterHTML;
      node.tag = node.tagName.toLowerCase();
      node.replace = function replace() {
        var tag = node.tagName;
        var newAttributes = mutation[1].map(function (a) { return htmlEscape(a); });
        return newOuterHTML;
      }
    }
    return 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.
    // Short-circuit to the standard replacement
    if (~classArray(node).indexOf(config.replacementClass)) {
      return mutators.replace(mutation);
    } else {
      var i2svg = new RegExp(config.familyPrefix + '-.*');
      node = node.outerHTML + (config.keepOriginalSource ? node.tagName.toLowerCase() : node.outerHTML);
      return htmlEscape(node);
    }
  }
};
abstract[0].attributes.class.split(` `).reduce(function (acc, cls) {
  if (cls == config.replacementClass ||
  cls.match(forSvg)) {
    acc.toNode.push(cls);
  } else {
    acc.toSvg.push(cls);
  }

  return acc;
}, { toNode: [], toSvg: []});

var newInnerHTML = abstract.map(function (a) {
  return toHtml(a);
});

node.setAttribute('class',
  splitClasses.toNode.join(` `));

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;
    frame(function () {
      var mutator = getMutator();

      mutations.map(mutator);

      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,
    observeMutationsRoot = options.observeMutationsRoot,
    observeMutationsRoot = observeMutationsRoot === undefined ? DOCUMENT.body :
   observeMutationsRoot;

  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 (config.searchPseudoElements) {
          pseudoElementsCallback(mutationRecord.target);
        }

        treeCallback(mutationRecord.target);
      }

      if (mutationRecord.type === 'attributes' &&
      isWatched(mutationRecord.target) &&
      ~ATTRIBUTES_WATCHED_FOR_MUTATION.indexOf(mutationRecord.attributeName)) {
        if (mutationRecord.attributeName === 'class') {
          var _getCanonicalIcon = getCanonicalIcon(classArray(mutationRecord.target)),
              prefix = _getCanonicalIcon.prefix,
              iconName = _getCanonicalIcon.iconName;

          if (prefix) mutationRecord.target.setAttribute('data-prefix', prefix);
          if (iconName) mutationRecord.target.setAttribute('data-icon', iconName);
        }

        nodeCallback(mutationRecord.target);
      }
    });
  });

  if (!IS_DOM) return;

  mo.observe(observeMutationsRoot, {
    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;
  };
(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.autoA11y) {\n if (title) {\n
extraAttributes['aria-labelledby'] = config.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\nvar blankMeta = {\n iconName: null,\n title: null,\n prefix: null,\n
transform: meaninglessTransform,\n symbol: false,\n mask: null,\n extra: { classes: [], styles: {}, attributes: {}
}\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-18.7-9.5-35.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z
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 M40.6,240c1.4-18.8,5.237,11.1-54.1l-29.5-12.6 C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5c7.8-14.9,17.2-28.8,28.141.5L69.7,92.3c-13.7,15.6-25.5,32.8-34.9,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.346.1,30.4l11.9,29.8c20.7-9.9,39.8-22.6,56.9-37.6L397,419.6z M115,92.4 c13.9-12,29.4-22.3,46.1-30.4l-11.9-29.8c20.7,9.9-39.8,22.6-56.8,37.6L115,92.4z M447.7,355.5c-7.8,14.9-17.2,28.8-28.1,41.5 l22.7,22.7c13.7-15.6,25.532.9,34.9-51.5L447.7,355.5z M471.4,272c-1.4,18.8-5.2,37-11.1,54.1l29.5,12.6 c7.5-21.1,12.2-43.5,13.666.8H471.4z M321.2,462c-15.7,5-32.2,8.2-49.2,9.4v32.1c21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M240,471.4c18.8-1.4-37-5.2-54.1-11.1l-12.6,29.5c21.1,7.5,43.5,12.2,66.8,13.6V471.4z
M462,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4-41.7-11.7-61.1L462,190.8z M92.4,397c-12-13.9-22.329.4-30.4-46.1l-29.8,11.9c9.9,20.7,22.6,39.8,37.6,56.9 L92.4,397z M272,40.6c18.8,1.4,36.9,5.2,54.1,11.1l12.629.5C317.7,14.7,295.3,10,272,8.5V40.6z M190.8,50 c15.7-5,32.2-8.2,49.2-9.4V8.5c-21.2,1.4-41.7,5.461.1,11.7L190.8,50z M442.3,92.3L419.6,115c12,13.9,22.3,29.4,30.5,46.1 l29.811.9C470,128.5,457.3,109.4,442.3,92.3z M397,92.4l22.7-22.7c-15.6-13.7-32.8-25.5-51.5-34.9l-12.6,29.5
C370.4,72.1,384.4,81.5,397,92.4z'\n })\n};\nvar OPACITY_ANIMATE = _extends({}, ANIMATION_BASE, {\n
attributeName: 'opacity'\n});\nvar DOT = {\n tag: 'circle',\n attributes: _extends({}, FILL, {\n cx: '256',\n cy:
'364',\n r: '28'\n }),\n children: [{ tag: 'animate', attributes: _extends({}, ANIMATION_BASE, { attributeName:
'r', values: '28;14;28;28;14;28;' }) }, { tag: 'animate', attributes: _extends({}, OPACITY_ANIMATE, { values:
'1;0;1;1;0;1;' }) }]\n};\nvar QUESTION = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n opacity: '1',\n d:
'M263.7,312h-16c-6.6,0-12-5.4-12-12c0-71,77.4-63.9,77.4-107.8c0-20-17.8-40.2-57.4-40.2c-29.1,0-44.3,9.659.2,28.7 c-3.9,5-11.1,6-16.2,2.4l-13.1-9.2c-5.6-3.9-6.9-11.8-2.6-17.2c21.2-27.2,46.4-44.7,91.244.7c52.3,0,97.4,29.8,97.4,80.2 c0,67.6-77.4,63.5-77.4,107.8C275.7,306.6,270.3,312,263.7,312z'\n }),\n children:

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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
          }
        }
      });
    });
  };

  end();
}

function onTree(root) {
  var callback = arguments.length > 1 && arguments[1] !==

  if (!IS_DOM) return;

  var htmlClassList =
DOCUMENT.documentElement.classList;
var hclAdd = function hclAdd(suffix) {
  return
htmlClassList.add(HTTP_CLASS_12SVG_BASE_CLASS + '.' + suffix);}
var hclRemove = function
hclRemove(suffix) {
  return
htmlClassList.remove(HTTP_CLASS_12SVG_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)
  } 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();
});
focusable:focus {\n  clip: auto;\n  height: auto;\n  margin: 0;\n  overflow: visible;\n  position: static;\n  width: auto;\n}\n\nvar css = function () {\n  var dpf = DEFAULT_FAMILY_PREFIX;\n  var drc = DEFAULT_REPLACE_CLASS;\n  var fp = config.familyPrefix;\n  var rc = config.replacementClass;\n  var s = baseStyles;\n  if (fp !== dpf || rc !== drc) {\n    var dPatt = new RegExp(`\${dpf}-`, 'g');\n    var rPatt = new RegExp(`\${drc}`, 'g');\n    s = s.replace(dPatt, `\${fp}-`).replace(rPatt, `\${rc}-`);\n  }\n  return s;\n}\n\nfunction define(prefix, icons) {\n  var normalized = Object.keys(icons).reduce(function (acc, iconName) {\n    var icon = icons[iconName];\n    var expanded = !!icon.icon;\n
    if (expanded) {\n      acc[icon.iconName] = icon.icon;\n    } else {\n      acc[iconName] = icon;\n    }\n    return acc;\n  }, {});\n  if (typeof namespace.hooks.addPack === 'function') {\n    namespace.hooks.addPack(prefix, normalized);\n  } else {\n    namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, normalized);\n  }\n}\n
function Library() {\n  function Library() {\n    classCallCheck(this, Library);\n
    this.definitions = {};
  }\n
  createClass(Library, [{\n    key: 'add',\n    value: function add() {\n      var _this = this;\n
      for (var _len = arguments.length, definitions = Array(_len), _key = 0; _key < _len; _key++) {\n        definitions[_key] = arguments[_key];\n      }\n
      var additions = definitions.reduce(this._pullDefinitions, {});\n
      Object.keys(additions).forEach(function (key) {\n        _this.definitions[key] = _extends({}, _this.definitions[key] || {}, additions[key]);\n        define(key, additions[key]);\n        build();\n      });\n    }\n  }, {\n    key: 'reset',\n    value: function reset() {\n      this.definitions = {};
    }\n  }, {\n    key: '_pullDefinitions',\n    value: function _pullDefinitions(additions, definition) {\n      var normalized = definition.prefix && definition.iconName && definition.icon ? { 0: definition } : definition;\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
        if (!additions[prefix]) additions[prefix] = {};

        additions[prefix][iconName] = icon;\n      });\n
      return Library();\n    }\n  }]);\n  return Library;
}();

function prepIcon(icon) {\n  var width = icon[0];\n  var height = icon[1];\n  var vectorData = icon.slice(4);

  return {\n    found: true,\n    width: width,\n    height: height,\n    icon: {\n      tag: 'path',\n      attributes: {\n        fill: 'currentColor',\n        d: vectorData[0]\n      }\n    }\n  };
}

function ensureCss() {\n  if (config.autoAddCss && !_cssInserted) {\n    insertCss(css());\n    _cssInserted = true;
  }
}

function apiObject(val, abstractCreator) {\n  Object.defineProperty(val, 'abstract', {\n    get: abstractCreator
  });

  Object.defineProperty(val, 'html', {\n    get: function get() {\n      return val.abstract.map(function (a) {\n        return toHtml(a);
      });\n    }\n  });

  Object.defineProperty(val, 'node', {\n    get: function get() {\n      if (!IS_DOM) return;

      var container = DOCUMENT.createElement('div');\n      container.innerHTML = val.html;\n      return container;
    }\n  });

  return val;
}

function findIconDefinition(params) {\n  var _params$prefix = params.prefix,\n      prefix = _params$prefix === undefined ? 'fa' : _params$prefix,\n      iconName = params.iconName,

  if (!iconName) return;

  return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
}

function resolveIcons(next) {\n  return function (maybeIconDefinition) {\n    var params = arguments.length > 1 && arguments[1] !== undefined ? arguments[1] : {};

    var iconDefinition = (maybeIconDefinition || {}).icon ? maybeIconDefinition : findIconDefinition(maybeIconDefinition || {});

    var mask = params.mask;

    if (mask) {\n      mask = (mask || {});\n      icon = findIconDefinition(mask || {});
      next(iconDefinition, _extends({}, params, { mask: mask }));\n    }\n
    return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
  };
}

var library = new Library();

var noAuto = function noAuto() {\n  config.autoReplaceSvg = false;\n  config.observeMutations = false;\n
  disconnect();\n  var _cssInserted = true;\n
  if (!IS_DOM) {\n    ensureCss();\n  }\n
  var node = _params$node = params.node,\n  node = _params$node === undefined ? undefined : DOCUMENT.createElement('div'),\n  node = onTree(node, callback),\n  callback = _params$callback = undefined ? function () {} : _params$callback,\n  if (config.searchPseudoElements) {\n    searchPseudoElements(node);\n    return;
  }\n};

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insertCss$$1() {\n if (!_cssInserted) {\n
insertCss(css());\n
_cssInserted = true;\n }\n },\n\n watch:
function watch() {\n var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};\n
var autoReplaceSvgRoot = params.autoReplaceSvgRoot,\n
observeMutationsRoot =
params.observeMutationsRoot;\n\n\n if (config.autoReplaceSvg === false) {\n
config.autoReplaceSvg = true;\n
}\n\n config.observeMutations = true;\n\n domready(function () {\n
autoReplace({\n
autoReplaceSvgRoot: autoReplaceSvgRoot\n
});\n\n
observe({\n
treeCallback: onTree,\n
nodeCallback: onNode,\n
pseudoElementsCallback: searchPseudoElements,\n
observeMutationsRoot:
observeMutationsRoot\n
});\n });\n }\n};\n\nvar parse = {\n transform: function transform(transformString)
{\n return parseTransformString(transformString);\n }\n};\n\nvar icon = resolveIcons(function (iconDefinition)
_params$transform = params.transform,\n
transform = _params$transform === undefined ?
meaninglessTransform : _params$transform,\n
_params$symbol = params.symbol,\n
symbol =
_params$symbol === undefined ? false : _params$symbol,\n
_params$mask = params.mask,\n
mask =
_params$mask === undefined ? null : _params$mask,\n
_params$title = params.title,\n
title = _params$title
=== undefined ? null : _params$title,\n
_params$classes = params.classes,\n
classes = _params$classes ===
undefined ? [] : _params$classes,\n
_params$attributes = params.attributes,\n
attributes = _params$attributes
=== undefined ? {} : _params$attributes,\n
_params$styles = params.styles,\n
styles = _params$styles ===
undefined ? {} : _params$styles;\n\n\n if (!iconDefinition) return;\n\n var prefix = iconDefinition.prefix,\n
iconName = iconDefinition.iconName,\n
icon = iconDefinition.icon;\n\n\n return apiObject(_extends({ type:
'icon' }, iconDefinition), function () {\n ensureCss();\n\n if (config.autoA11y) {\n
if (title) {\n
attributes['aria-labelledby'] = config.replacementClass + '-title-' + nextUniqueId();\n
} else {\n
attributes['aria-hidden'] = 'true';\n
}\n }\n\n return makeInlineSvgAbstract({\n
icons: {\n
main:
prepIcon(icon),\n
mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }\n
},\n
prefix: prefix,\n
iconName: iconName,\n
transform: _extends({}, meaninglessTransform, transform),\n
symbol: symbol,\n
title: title,\n
extra: {\n
attributes: attributes,\n
styles: styles,\n
classes:
classes\n
}\n });\n });\n});\n\nvar text = function text(content) {\n var params = arguments.length > 1 &&
transform =
_params$transform2 === undefined ? meaninglessTransform : _params$transform2,\n
_params$title2 =
params.title,\n
title = _params$title2 === undefined ? null : _params$title2,\n
_params$classes2 =
params.classes,\n
classes = _params$classes2 === undefined ? [] : _params$classes2,\n
_params$attributes2 =
params.attributes,\n
attributes = _params$attributes2 === undefined ? {} : _params$attributes2,\n
_params$styles2 = params.styles,\n
styles = _params$styles2 === undefined ? {} : _params$styles2;\n\n\n return
apiObject({ type: 'text', content: content }, function () {\n ensureCss();\n\n return makeLayersTextAbstract({\n
content: content,\n
transform: _extends({}, meaninglessTransform, transform),\n
title: title,\n
extra: {\n
attributes: attributes,\n
styles: styles,\n
classes: [config.familyPrefix + '-layerstext'].concat(toConsumableArray(classes))\n
}\n });\n });\n};\n\nvar counter = function counter(content) {\n
params.title,\n
title = _params$title3 === undefined ? null : _params$title3,\n
_params$classes3 =
params.classes,\n
classes = _params$classes3 === undefined ? [] : _params$classes3,\n
_params$attributes3 =
params.attributes,\n
attributes = _params$attributes3 === undefined ? {} : _params$attributes3,\n
_params$styles3 = params.styles,\n
styles = _params$styles3 === undefined ? {} : _params$styles3;\n\n\n return
apiObject({ type: 'counter', content: content }, function () {\n ensureCss();\n\n return
makeLayersCounterAbstract({\n
content: content.toString(),\n
title: title,\n
extra: {\n
attributes:
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:

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Reduce is a function in the underscore library that is used to accumulate values from an iterable. It takes three arguments:

- `iterator`: A function that is invoked per iteration. The function should take two arguments: the current value and the accumulator. It returns the updated accumulator.
- `initial`: An initial accumulator value. If `initial` is not provided, it defaults to `0` for numeric types and `null` for other types.
- `context`: The context in which the `iterator` function will be invoked. It defaults to the `this` value of the calling function.

The reduce function returns the accumulated value. If no initial accumulator is provided, the result is the first element if the iterable is a single-element array or object.

`_.reduce`, `_.reduceRight`, and `_.transform` are guarded methods. The guarded methods are:

- `assign`,
- `defaults`,
- `defaultsDeep`,
- `includes`,
- `merge`,
- `orderBy`,
- `sortBy`

These methods are only available if the arguments are valid and the collection is a valid object or array.

Function signature:

```javascript
function reduce(collection, iteratee, accumulator)
{
  var func = isArray(collection) ? arrayReduce : baseReduce,
      initAccum = arguments.length < 3;

  return func(collection, baseIteratee(iteratee, 4), accumulator, initAccum, baseEach);
}
```

This function is exported from the underscore library.

```
// extracted by mini-css-extract-plugin
module.exports = require('./forEach');
```

```
var baseFlatten = require('./_baseFlatten'),
    baseOrderBy = require('./_baseOrderBy'),
    baseRest = require('./_baseRest'),
    isIterateeCall = require('./_isIterateeCall');
```

`_.sortBy` is a function that sorts an array in ascending order by the results of running each element in the collection through each iteratee. The iteratees are invoked with one argument: the current value.

Function signature:

```javascript
/**
 * Creates an array of elements, sorted in ascending order by the results of running each element in a collection thru each iteratee. This method performs a stable sort, that is, it preserves the original sort order of equal elements. The iteratees are invoked with one argument: (value).
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {...(Function|Function[])} [iteratees=[_.identity]] The iteratees to sort by. If a single function is given, it is invoked for each element in the collection.
 * @returns {Array} Returns the new sorted array.
 * @example
 *
 * var users = [
 *   { 'user': 'fred', 'age': 48 },
 *   { 'user': 'barney', 'age': 36 },
 *   { 'user': 'fred', 'age': 40 },
 *   { 'user': 'barney', 'age': 34 }
 * ];
 *
 * _.sortBy(users, [function(o) { return o.user; }]);
 * // =>
 * [ { 'user': 'barney', 'age': 34 },
 *   { 'user': 'barney', 'age': 36 },
 *   { 'user': 'fred', 'age': 40 },
 *   { 'user': 'fred', 'age': 48 }]
 */
```
objects for ['barney', 36], ['barney', 34], ['fred', 48], ['fred', 40]]

var *un * _sortBy(users, ["user", 'age']);

var * = (function() {
    return this;
})(this);

var g = (function() {
    return this;
})(null);

var px = Math.random();

module.exports = function (key) {
  return 'Symbol(' + key + ')_' + (++id + px).toString(36);
};

'use strict';

var addToUnscopables = require('./_add-to-unscopables');
var step = require('./_iter-step');
var Iterators = require('./_iterators');
var toIObject = require('./_to-iobject');

module.exports = require('./_iter-define')(Array, 'Array', function (iterated, kind) {
  this._t = toIObject(iterated); // target
  this._i = 0;                   // next index
  this._k = kind;                // kind

  function () {
    var O = this._t;
    var kind = this._k;
    var index = this._i++;
    if (!O || index >= O.length) {
      this._t = undefined;
      return step(1);
    }
    if (kind == 'keys') return step(0, index);
    if (kind == 'values') return step(0, O[index]);
    return step(0, [index, O[index]]);
  }, 'values');

Iterators.Arguments = Iterators.Array;

addToUnscopables('keys');
addToUnscopables('values');
addToUnscopables('entries');

var isSymbol = require('./isSymbol');

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) {
      return 1;
    }
    if (!valIsNull && !valIsSymbol && !othIsSymbol && value < other) {
      return -1;
    }
    if (valIsSymbol || othIsSymbol) {
      return compareAscending(value, other);
    }
    if (valIsDefined) {
      return -1;
    }
    if (othIsDefined) {
      return 1;
    }
    return 0;
  }
}

module.exports = compareAscending;

var eq = require('./eq');

function assocIndexOf(array, key) {
  var length = array.length;
  while (length--) {
    if (eq(array[length], key)) {
      return length;
    }
  }
  return -1;
}

module.exports = assocIndexOf;

/*!
 * Font Awesome Free 5.0.13 by @fontawesome - https://fontawesome.com
 */

var _WINDOW = {};
var _DOCUMENT = null;
var _MUTATION_OBSERVERS1 = null;
var _MUTATION_OBSERVERS2 = null;
var _WINDOW = null;
var _navigate = null;
var _ref = _WINDOW.navigator || {};

if (_ref.userAgent == null) {
  // Your code here
}
var userAgent = _ref$userAgent === undefined ? '' : _ref$userAgent;

var WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVERS1;
var PERFORMANCE = _PERFORMANCE;
var IS_BROWSER = !!WINDOW.document;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function';
var IS_IE = !!userAgent.indexOf('MSIE') || !!userAgent.indexOf('Trident/');
var NAMESPACE_IDENTIFIER = '__FONT_AWESOME__';
var UNITS_IN_GRID = 16;
var DEFAULT_FAMILIES = ['fa'];
var DEFAULT_REPLACEMENT_CLASS = 'svg-inline--fa';
var DATA_FA_I2SVG = 'data:fa-i2svg';

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 Array.from(arr);
  }
};

var initial = WINDOW.FontAwesomeConfig || {};
var initialKeys = Object.keys(initial);

var update = function (newConfig) {
  var _params$asNewDefault = params.asNewDefault,
      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config$1);
  var ok = asNewDefault ? function (k) {
    return ~validKeys.indexOf(k) && !~initialKeys.indexOf(k);
  } : function (k) {
    return ~validKeys.indexOf(k);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey)) config$1[configKey] = newConfig[configKey];
  });
};

var window$1 = WINDOW;

window$1[NAMESPACE_IDENTIFIER] = ['FA', 'SO', 'IA'];
window$1[NAMESPACE_IDENTIFIER].styles = {'*': {'[w][NAMESPACE_IDENTIFIER]': 'w'});
window$1[NAMESPACE_IDENTIFIER].hooks = {'*': {'[w][NAMESPACE_IDENTIFIER]': 'w'});
window$1[NAMESPACE_IDENTIFIER].shims = [{window: w[NAMESPACE_IDENTIFIER]}];
window$1[NAMESPACE_IDENTIFIER] = ['FA', 'SO', 'IA'];
window$1[NAMESPACE_IDENTIFIER].styles = {'*:': {'[w][NAMESPACE_IDENTIFIER]': 'w'});
window$1[NAMESPACE_IDENTIFIER].hooks = {'*:': {'[w][NAMESPACE_IDENTIFIER]': 'w'});
window$1[NAMESPACE_IDENTIFIER].shims = [{window: w[NAMESPACE_IDENTIFIER]}];
window$1[function] = function () {
  var listener = function listener() {
    var DOCUMENT = _DOCUMENT;
    DOCUMENT.removeEventListener('DOMContentLoaded', listener);
    window$1.loaded = false;
  }
};

window$1[function] = function () {
  var DOCUMENT = _DOCUMENT;
  DOCUMENT.removeEventListener('DOMContentLoaded', listener);
  window$1.loaded = false;
};
function domready(fn) {
  if (!IS_DOM) return;
  loaded ? setTimeout(fn, 0) : functions.push(fn);
}

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;
}

function isReserved(name) {
  return ~RESERVED_CLASSES.indexOf(name);
}

function bunker(fn) {
  try {
    fn();
  } catch (e) {
    if (!PRODUCTION) {
      throw e;
    }
  }
}

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 innerScale = 'scale(' + transform.size / 16 * (transform.flipX ? -1 : 1) + ', ' + transform.size / 16 * (transform.flipY ? -1 : 1) + ')';
  var innerRotate = 'rotate(' + transform.rotate + ' 0 0)';
  var inner = {
    transform: innerTranslate + ' ' + innerScale + ' ' + innerRotate
  };

  var path = {
    transform: 'translate(' + iconWidth / 2 + ' -256)'
  };

  return {
    outer: outer,
    inner: inner,
    path: path
  };
}

function transformForCss(_ref2) {
  var transform = _ref2.transform,
      width = _ref2.width === undefined ? UNITS_IN_GRID : _ref2.width,
      height = _ref2.height === undefined ? UNITS_IN_GRID : _ref2.height,
      startCentered = _ref2.startCentered;

  var val = '';

  if (startCentered && IS_IE) {
    val += 'translate(' + (transform.x / d - width / 2) + 'em, ' + (transform.y / d - height / 2) + 'em)';
  } else if (startCentered) {
    val += 'translate(' + calc(-50% + ' + ' + transform.x / d + 'em)', calc(-50% + ' + ' + transform.y / d + 'em'))';
  }

  val += 'scale(' + transform.size / d * (transform.flipX ? -1 : 1) + ', ' + transform.size / d * (transform.flipY ? -1 : 1) + ')';
  val += 'rotate(' + transform.rotate + 'deg)';

  return val;
}

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;
  }
}

var ALL_SPACE = {
  x: 0,
  y: 0,
  width: '100%',
  height: '100%'
};

var makeIconMasking = function (_ref) {
  var children = _ref.children,
      attributes = _ref.attributes,
      main = _ref.main,
      mask = _ref.mask,
      transform = _ref.transform;

  var mainWidth = main.width,
      mainPath = main.icon,
      childMaskWidth = mask.width,
      childMaskPath = mask.icon;

  var trans = transformForSvg({
    transform: _ref2.transform,
    ref2Width: _ref2.width,
    width: _ref2Width === undefined ? UNITS_IN_GRID : _ref2.width,
    height: _ref2Height === undefined ? UNITS_IN_GRID : _ref2.height,
    startCentered: _ref2.startCentered === undefined ? false : _ref2.startCentered
  });
  var rect = mainRect;
  var maskRect = {
    tag: 'rect',
    attributes: _extends({}, ALL_SPACE, {
      fill: 'white'});
  }
  var maskInnerGroup = {
    tag: 'g',
    attributes: _extends({}, trans.inner)
  };
attributes: _extends({}, main.options, transformations, [ { fill: 'black' } ]) )

var maskOuterGroup = { tag: 'g', attributes: _extends({}, trans.outer), children: [maskInnerGroup] }

var maskId = 'mask-' + nextUniqueId();

var clipId = 'clip-' + nextUniqueId();

var varTag = [ { tag: 'mask', attributes: _extends({}, ALL_SPACE, { id: maskId }, maskUnits: 'userSpaceOnUse', maskContentUnits: 'userSpaceOnUse', allSpace: 'ALL_SPACE' }) ]


transform = _ref.transform, styles = _ref.styles; var styleString = joinStyles(styles);

if (transformIsMeaningful(transform)) {
  attributes['style'] = styleString;
}

if (transformIsMeaningful(transform) && main.found && !mask.found) {
  var width = main.width, height = main.height; attributes['offset'] = [ { x: width / height / 2, y: 0.5 } ];

  attributes['style'] = 'transform: translateX(' + Math.ceil(width / height * 16) + ') ' + Math.ceil(height / width * 16) + 'em; translateY(' + Math.ceil(height / width * 16) + 'em); }]


var return [ { tag: 'svg', attributes: attributes, children: children } ]

var asIcon = function (_ref) {
  var children = _ref.children, attributes = _ref.attributes, 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; attributes['offset'] = [ { x: width / height / 2, y: 0.5 } ];

    attributes['style'] = 'transform: translateX(' + Math.ceil(width / height * 16) + ') ' + Math.ceil(height / width * 16) + 'em; translateY(' + Math.ceil(height / width * 16) + 'em); }]

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  return {
    children: children,
    attributes: attributes
  };
};

var makeIconStandard = function (_ref) {
  var children = _ref.children, attributes = _ref.attributes, 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; attributes['offset'] = [ { x: width / height / 2, y: 0.5 } ];

    attributes['style'] = 'transform: translateX(' + Math.ceil(width / height * 16) + ') ' + Math.ceil(height / width * 16) + 'em; translateY(' + Math.ceil(height / width * 16) + 'em); }]

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  return {
    children: children,
    attributes: attributes
  };
};

var makeIconMasking = function (_ref) {
  var children = _ref.children, attributes = _ref.attributes, 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; attributes['offset'] = [ { x: width / height / 2, y: 0.5 } ];

    attributes['style'] = 'transform: translateX(' + Math.ceil(width / height * 16) + ') ' + Math.ceil(height / width * 16) + 'em; translateY(' + Math.ceil(height / width * 16) + 'em); }]

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  return {
    children: children,
    attributes: attributes
  };
};

var makeIconStandard = function (_ref) {
  var children = _ref.children, attributes = _ref.attributes, 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; attributes['offset'] = [ { x: width / height / 2, y: 0.5 } ];

    attributes['style'] = 'transform: translateX(' + Math.ceil(width / height * 16) + ') ' + Math.ceil(height / width * 16) + 'em; translateY(' + Math.ceil(height / width * 16) + 'em); }]

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  return {
    children: children,
    attributes: attributes
  };
};

var makeIconMasking = function (_ref) {
  var children = _ref.children, attributes = _ref.attributes, 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; attributes['offset'] = [ { x: width / height / 2, y: 0.5 } ];

    attributes['style'] = 'transform: translateX(' + Math.ceil(width / height * 16) + ') ' + Math.ceil(height / width * 16) + 'em; translateY(' + Math.ceil(height / width * 16) + 'em); }]

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  if (transformIsMeaningful(transform)) {
    attributes['style'] = styleString;
  }

  return {
    children: children,
    attributes: attributes
  };
};
Open Source Used In Branch Migration Tool 1.9

```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;

  var treeCallback = options.treeCallback,
      nodeCallback = options.nodeCallback,
      pseudoElementsCallback = options.pseudoElementsCallback;

  mo = new MUTATION_OBSERVER(function (objects) {
    if (disabled) return;

    toArray(objects).forEach(function (mutationRecord) {
      if (mutationRecord.type === 'childList' && mutationRecord.addedNodes.length > 0 &&
        !isWatched(mutationRecord.addedNodes[0])) {
        if (config$1.searchPseudoElements) {
          pseudoElementsCallback(mutationRecord.target);
        }

        treeCallback(mutationRecord.target);
      }

      if (mutationRecord.type === 'attributes' && mutationRecord.target.parentNode &&
        config$1.searchPseudoElements) {
        pseudoElementsCallback(mutationRecord.target.parentNode);
      }

      if (mutationRecord.type === 'attributes' && isWatched(mutationRecord.target) &&
        ~ATTRIBUTES_WATCHED_FOR_MUTATION.indexOf(mutationRecord.attributeName)) {
        if (mutationRecord.attributeName === 'class') {
          var getCanonicalIcon = getCanonicalIcon(classArray(mutationRecord.target));
          var prefix = getCanonicalIcon.prefix;
          var iconName = getCanonicalIcon.iconName;
          if (prefix) mutationRecord.target.setAttribute('data-prefix', prefix);
          if (iconName) mutationRecord.target.setAttribute('data-icon', iconName);
        } else {
          nodeCallback(mutationRecord.target);
        }
      }
    });
  });

  if (!IS_DOM) return;

  mo.observe(DOCUMENT.getElementsByTagName('body')[0], {
    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 acc;
    }, {});

    return { var: acc, val: [val] };
  }

  return { var: null, val: [] };
}

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 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));
  var prefix = getCanonicalIcon.prefix;
  var iconName = getCanonicalIcon.iconName;
  if (prefix) node.setAttribute('data-prefix', prefix);
  if (iconName) node.setAttribute('data-icon', iconName);
};
```
&& 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 val;
};

var parseTransformString = function parseTransformString(transformString) {
  var transform = {
    size: 16,
    x: 0,
    y: 0,
    flipX: false,
    flipY: false,
    rotate: 0
  };

  if (!transformString) {
    return transform;
  } else {
    return transformString.toLowerCase().split(' ').reduce(function (acc, n) {
      var parts = n.toLowerCase().split('-');
      var first = parts[0];
      var rest = parts.slice(1).join('-');

      if (first && rest === 'h') {
        acc.flipX = true;
        return acc;
      }

      if (first && rest === 'v') {
        acc.flipY = true;
        return acc;
      }

      rest = parseFloat(rest);

      if (isNaN(rest)) {
        return acc;
      }

      switch (first) {
        case 'grow':
          acc.size = acc.size + rest;
          break;
        case 'shrink':
          acc.size = acc.size - rest;
          break;
        case 'left':
          acc.x = acc.x - rest;
          break;
        case 'right':
          acc.x = acc.x + rest;
          break;
        case 'up':
          acc.y = acc.y - rest;
          break;
        case 'down':
          acc.y = acc.y + rest;
          break;
        case 'rotate':
          acc.rotate = acc.rotate + rest;
          break;
      }

      return acc;
    }, transform);
  }
};

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 + '-title-' +
      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);
  var iconName = iconName,
  title: node.getAttribute('title'),
  prefix: prefix, transform: transform, symbol: symbol,
  mask: mask, extra: 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: {
    d: 'M156.5,447.7l-12.6,29.5c-18.7,9.5-35.9,21.2-51.5,34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z M40.6,272H8.5
    c1.4,18.8,5.4,37,11.7,54.1L69.7,92.3c7.5,21.2,12.2,43.5,13.6,66.8H471.4z M321.2,462c15.7,5,32.2,8.2,49.2,9.4V32.1L43.5,12.6,66.8,13.6V471.4z M462,190.8c15.7,8.2,32.2,4.9,49.2,9.4V32.1L43.5,12.6,66.8,13.6V471.4z M462,190.8c15.7,8.2,32.2,4.9,49.2,9.4V32.1L43.5,12.6,66.8,13.6V471.4z M442.3,92.3L419.6,115.2c15.7,5,32.2,8.2,49.2,9.4V32.1L43.5,12.6,66.8,13.6V471.4z M462,190.8c15.7,8.2,32.2,4.9,49.2,9.4V32.1L43.5,12.6,66.8,13.6V471.4z M442.3,92.3L419.6,115.2c15.7,5,32.2,8.2,49.2,9.4V32.1L43.5,12.6,66.8,13.6V471.4z
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 the prefix `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. If (prefix !== 'fas') {
    define('fa', icons);
}

```javascript
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 addDefinitions = definitions.reduce(this._pullDefinitions, {});

      Object.keys(addDefinitions).forEach(function (key) {
        _this.definitions[key] = addDefinitions[key];
      });

      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]
          } }
        };
      }
    );

    return Library;
  });

  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.html.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;
  }

  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$node = params.node === undefined ? DOCUMENT : _params$node,
            _params$callback = params.callback === undefined ? function () {} : _params$callback;

        if (config.searchPseudoElements) {
          searchPseudoElements(_params$node);
        }

        onTree(_params$node, _params$callback);
      }
    },

    css: css,

    insertCss: function insertCss() {
      insertCss(css());
    }
  };
undefined ? {} : _params$styles;

if (!iconDefinition) return;

var prefix = iconDefinition.prefix;
var iconName = iconDefinition.iconName;
var styles = iconDefinition.styles;
var classes = iconDefinition.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,
      symbol = iconDefinition.symbol;

  return apiObject(_extends({ type: 'text', content: content }, function () {
    ensureCss();

    return makeLayersTextAbstract({
      content: content,
      transform: transform,
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config$1.familyPrefix + '-layers-text'].concat(toConsumableArray(classes))
      }
    });
  }));

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 };
 *
 * console.log(_.identity(object) === object);
 * // => true
 */
function identity(value) {
  return value;
}

module.exports = identity;

var has = require('./_has');
var toIObject = require('./_to-iobject');
var 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++])) {
    ~arrayIndexOf(result, key) || 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 symbolProto = Symbol ? Symbol.prototype : undefined;

/*symbolProto.toString : undefined*/

/** The base implementation of 'toString' which doesn't convert nullish values to empty strings. */
var * @private @param {*} value The value to process.
  @returns {string} Returns the string.
  @function baseToString
  @param {string} value The key of the value to get.
  @returns {Object} Returns the stack cache instance.
  @function stackSet
  @memberOf Stack
  @param {string} key The key of the value to set.
  @returns {Object} Returns the stack cache instance.
  @function baseSortBy
  @param {Array} array The array to sort.
  @returns {Array} Returns `array`.
  @function baseSortBy
  @memberOf _
  @returns {Function} Returns the definition.

// use strict

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ]};

exports.faEnvelope = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

exports.faEnvelope = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

/*stubArray*/

return (result == (0 & (1 / value)) ? -INFINITY);
if (!(instance instanceof Constructor)) { 
    throw new TypeError("Cannot call a class as a function!");
}

module.exports = function (it) {
  if (typeof it != 'function') throw TypeError(it + ' is not a function!');
  return it;
};

var root = require('./_root');

/**
 * Checks if `value` is in the array cache.
 *
 * @private
 * @name has
 * @memberOf SetCache
 * @param {*} value The value to search for.
 * @returns {number} Returns `true` if `value` is found, else `false`.
 */
function setCacheHas(value) {
  return this.__data__.has(value);
}

module.exports = setCacheHas;

/**
 * Converts `func` to its source code.
 *
 * @private
 * @param {Function} func The function to convert.
 * @returns {string} Returns the source code.
 */
function toSource(func) {
  if (func != null) {
    try {
      return funcToString.call(func);
    } catch (e) {
    }
    try {
      return (func + '');
    } catch (e) {
    }
  }
  return '';
}

module.exports = toSource;

var redefine = require('./_redefine');
module.exports = function (target, src, safe) {
  for (var key in src) redefine(target, key, src[key], safe);
  return target;
};
obtaining a\n// copy of this software and associated documentation files (the\n// "Software"), to deal in the Software without restriction, including\n// distribution, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the\n// following conditions:\n\n// The above copyright notice and this permission notice shall be included\n// in all copies or substantial portions of the Software.\n\n// THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING

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// HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN

// ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION

// WITH THE SOFTWARE OR THEUSE\n// USE OR OTHER DEALINGS IN THE SOFTWARE.

// resolves . and ..

// elements in a path array with directory names there\n// must be no slashes, empty elements, or device names (c:\\) in

// the array\n// (so also no leading and trailing slashes - it does not distinguish relative and absolute

// paths)\n
// normalizeArray(\n// \n// allowAboveRoot \n// \n// \n\n// if the path tries to go above the root, 'up' ends up >
\n
// 0\n\n// \n\n\n// \n\n\n// \n\n
// if the path is allowed to go above the root, restore leading .\n\n
// if (allowAboveRoot)\n// \n\n\n\n\n
// resolves . and ..

// elements in a path array with directory names there\n// must be no slashes, empty elements, or device names (c:\\) in

// the array\n// (so also no leading and trailing slashes - it does not distinguish relative and absolute

// paths)\n
// normalizeArray(\n// \n// allowAboveRoot \n// \n\n// \n\n// \n\n\n// \n\n
// if the path tries to go above the root, 'up' ends up >
\n
// 0\n\n
// \n\n\n// \n\n
// if the path is allowed to go above the root, restore leading .\n\n
// if (allowAboveRoot)\n// \n\n\n
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

TODO: make this comparison case-insensitive on windows?

var hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet'); 


var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');


var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');


var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');

var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');

var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');

var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');
```javascript
function memoize(func)
{
  var memoized = {
    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`.memozize = memoize;
.exports = memoize;

// Expose
`MapCache`.
memoize.Cache = MapCache;
module.exports = memoize;


// Expose
`

```
```
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;
/**
 * The base implementation of `_.property` without support for deep paths.
 * @private
 * @param {string} key The key of the property to get.
 * @returns {Function} Returns the new accessor function.
 */
function baseProperty(key) {
  return function(object) {
    return object == null ? undefined : object[key];
  };
}

module.exports = baseProperty;

var ListCache = require('./_ListCache');

/**
 * Removes all key-value entries from the stack.
 * @private
 * @name clear
 * @memberOf Stack
 */
function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}

module.exports = stackClear;

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 () {
      called = false;
      fn();
    });
  }
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
        fn();
      }, timeoutDuration);
    }
  };
}

var supportsMicroTasks = isBrowser && window.Promise;

/**
 * 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]';
}

/**
 * Get CSS 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 [];
  }
  // NOTE: 1 DOM access here
  var window = element.ownerDocument.defaultView;
  var css = window.getComputedStyle(element, null);
  return property ? css[property] : css;
}

/**
 * Returns the parentNode or the host of the element
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function getParentNode(element) {
  if (element.nodeName === 'HTML') {
    return element;
  }
  return element.parentNode || element.host;
}

/**
 * Returns the scrolling parent of the given element
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function getScrollParent(element) {
  // Return body, `getComputedStyle` will take care to get the correct `scrollTop` from it if
  // it is not the body
  return element.parentNode || element.host;
}

/**
 * Return element, `getScroll` will take care to get the correct `scrollTop` from it if
 * it is not the body
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function switchParent(element) {
  if (element.nodeName === 'HTML') {
    return element.ownerDocument.body;
  }
  return element.parentNode;
}

Open Source Used In Branch Migration Tool 1.9 11008
getStyleComputedProperty(element),
      overflow = _getStyleComputedProp.overflow,
      overflowX = _getStyleComputedProp.overflowX,
      overflowY = _getStyleComputedProp.overflowY;

  if /(auto|scroll|overlay)/.test(overflow + overflowY + overflowX) {
    return element;
  }

  return getScrollParent(getParentNode(element));

  var isIE11 = isBrowser &
      !((window.MSInputMethodContext &
          document.documentMode));
  var isIE10 = isBrowser &
      !MSIE 10/; test(navigator.userAgent);
  if (/\*\*/.test(navigator.userAgent)) {
    _getStyleComputedProp = function getStyleComputedProperty(e) {
      return e.style
        .getPropertyValue(e.styleNS ? e.styleNS + '-' + e.getPropertyName : e.getPropertyName);
    };
  }

  function isIE(version) {
    if (version === 11) {
      return isIE11;
    }
    if (version === 10) {
      return isIE10;
    }
    return isIE10 || isIE11;
  }

  function isOffsetContainer(element) {
    var nodeName = element.nodeName;
    if (nodeName === 'BODY') {
      return false;
    }
    return nodeName === 'HTML' || getOffsetParent(element.firstElementChild) === element;
  }

  function getOffsetParent(element) {
    if (!element) {
      return document.documentElement;
    }
    var noOffsetParent = isIE(10) ? document.body : null;
    var offsetParent = element.offsetParent || null;
    while (offsetParent === noOffsetParent && element.nextElementSibling) {
      offsetParent = element.nextElementSibling.offsetParent;
    }
    var nodeName = offsetParent && offsetParent.nodeName;
    if (!nodeName || nodeName === 'BODY' || nodeName === 'HTML') {
    }
    return offsetParent;
  }

  function getRoot(node) {
    if (node.parentNode !== null) {
      return getRoot(node.parentNode);
    }
    return node;
  }

  function getScrollParent(element) {
    if (!element || !element.nodeType) {
      return document.documentElement;
    }
    var order = element.compareDocumentPosition(element2) &
        Node.DOCUMENT_POSITION_FOLLOWING;
    var start = order ? element : element2;
    var end = order ? element2 : element;
    var range = document.createRange();
    range.setStart(start, 0);
    range.setEnd(end, 0);
    var commonAncestorContainer = range.commonAncestorContainer;
    if (commonAncestorContainer.nodeName !== 'BODY' || commonAncestorContainer.nodeName !== 'HTML') {
      return getOffsetParent(commonAncestorContainer);
    }
    return getOffsetParent(commonAncestorContainer);
```javascript
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) {
  var scrollTop = getScroll(element, 'top');
  var scrollLeft = getScroll(element, 'left');
  rect.top -= subtract * 1;
  rect.right += scrollTop * modifier;
  rect.bottom += scrollTop * modifier;
  rect.left += scrollLeft * modifier;
  return rect;
}

/*
 * Helper to detect borders of a given element
 * @method
 * @memberof Popper.Utils
 * @param {String} axis - 'x' or 'y'
 * @return {Object} modifier - The modifier 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
  };

  var sizes = 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);
    var horizScrollLeft = getBordersSize(styles, 'x');
    var vertScrollTop = getBordersSize(styles, 'y');
    result.width -= horizScrollLeft;
    result.height -= vertScrollTop;
  }
  return result;
}
```
getClientRect(result);


var isIE10 = isIE(10);

var isHTML = parent.nodeName === 'HTML';

var childrenRect = getBoundingClientRect(children);

var parentRect = getBoundingClientRect(parent);

var scrollTop = getScrollParent(children);

var styles = getStyleComputedProperty(parent);

var borderTopWidth = parseFloat(styles.borderTopWidth, 10);

var borderLeftWidth = parseFloat(styles.borderLeftWidth, 10);

getClientRect(result);

}

function getOffsetRectRelativeToArbitraryNode(children, parent) {


  var isIE10 = isIE(10);

  var isHTML = parent.nodeName === 'HTML';

  var childrenRect = getBoundingClientRect(children);

  var parentRect = getBoundingClientRect(parent);

  var scrollTop = 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) {
    marginTop = parseFloat(styles.marginTop, 10);
    var marginLeft = parseFloat(styles.marginLeft, 10);
    var offsets.top -= borderTopWidth - marginTop;
    var offsets.bottom -= borderTopWidth - marginTop;
    var offsets.left -= borderLeftWidth - marginLeft;
    var 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') {
    offsets = includeScroll(offsets, parent);
  }

  return offsets;
}

function getViewportOffsetRectRelativeToArbitraryNode(element) {


  var html = element.ownerDocument.documentElement;

  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
  };

  return getClientRect(offset);
}

/**
 * Checks if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} customContainer
 * @returns {Boolean} true if the element is fixed
 */

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
 * @returns {Element} first transformed parent or documentElement
 */

function getFixedPositionOffsetParent(element) {

  // NOTE: 1 DOM access here

  var boundaries = element.ownerDocument.documentElement;

  var relativeOffset = getOffsetRectRelativeToArbitraryNode(element, boundaries);

  var width = Math.max(boundaries.clientWidth, window.innerWidth || 0);

  var height = Math.max(boundaries.clientHeight, window.innerHeight || 0);

  var scrollTop = getScroll(boundaries);

  var scrollLeft = getScroll(boundaries, 'left');

  var offset = {
    top: scrollTop - relativeOffset.top + relativeOffset.marginTop,
    left: scrollLeft - relativeOffset.left + relativeOffset.marginLeft,
    width: width,
    height: height
  };

  return getClientRect(offset);
}

/**
 * Computed the boundaries limits and return them
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} popper
 * @param {HTMLElement} reference
 * @param {number} padding
 * @param {Boolean} useScrollContainer - Is in fixed position mode
 * @argument {Element} boundariesElement - Element used to define the boundaries
 * @returns {Object} Coordinates of the boundaries
 */

function getBoundaries(popper, reference, padding, boundariesElement) {


  // NOTE: 1 DOM access here

  var boundaries = getViewportOffsetRectRelativeToArbitraryNode(boundariesElement, useScrollContainer);

  return boundaries;
}

else {

  // Handle other cases based on DOM element used as boundaries

  var boundariesElement = void 0;

  if (boundariesElement ===
`scrollTop`)

(boundariesNode.nodeName === 'BODY')

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;

}


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])
});
});

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];

var return computedPlacement + (variation ? '-' + variation : '');

Get offsets to the reference element

getComputedPlacement = getComputedPlacement + (variation == null ? 0 : -1);
Get offsets to the popper offsets object. @method

popper - the popper element @param {Object} referenceOffsets - the reference offsets (the popper will be relative to this)
placements - one of the valid placement options @returns {Object} popperOffsets - An object containing the offsets which will be applied to the popper

/**
 * Get offsets to the popper
 * @method
 * @memberof Popper.Utils
 * @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)
 * @returns {Object} popperOffsets - An object containing the offsets which will be applied to the popper
 */

getPopperOffsets(popper, referenceOffsets, placement)

/**
 * Get outer sizes of the popper
 * @method
 * @memberof Popper.Utils
 * @param {Object} position - CSS position the Popper will get applied
 * @param {HTMLElement} popper - the popper element
 * @returns {Object} popperOuterSizes - Outer sizes of the popper
 */

getOuterSizes(popper)

/**
 * Mimics the `find` method of Array
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument searchValue
 * @returns index or -1
 */

find(arr, searchValue)

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument searchValue
 * @returns index or -1
 */

findIndex(arr, searchValue)

/**
 * Loop trough the list of modifiers and run them in order, each of them will then edit the data object.
 * @method
 * @memberof Popper.Utils
 * @param {dataObject} data
 * @param {Array} modifiers
 * @param {String} ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */

runModifiers(modifiers, data, ends)

/**
 * Updates the position of the popper, computing the new offsets and applying the new style.
 * @method
 * @memberof Popper
 */

update()
`onCreate` callback\n // the other ones will call `onUpdate` callback\n if (!this.state.isCreated) {\n     this.state.isCreated = true;
     this.options.onCreate(data);\n } else {\n     this.options.onUpdate(data);\n }

/**\n * Helper used to know if the given modifier is enabled.\n * @returns {Boolean}\n */\nfunction isModifierEnabled(modifiers, modifierName) {\n  return modifiers.some(function (_ref) {\n    var name = _ref.name,\n        enabled = _ref.enabled;\n    return enabled && name === modifierName;\n  });\n}

/**\n * Get the prefixed supported property name\n * @returns {String}\n */\nfunction getSupportedPropertyName(property) {\n  var prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];\n  var upperProp = property.charAt(0).toUpperCase() + property.slice(1);\n  for (var i = 0; i < prefixes.length; i++) {\n    var prefix = prefixes[i];\n    var toCheck = prefix ? '' + prefix + upperProp : property;\n    if (typeof document.body.style[toCheck] !== 'undefined') {\n      return toCheck;\n    }\n  }\n  return null;\n}

/**\n * Destroys the popper.\n * @method\n */\nfunction destroy() {\n  this.state.isDestroyed = true;\n  // touch DOM only if `applyStyle` modifier is enabled\n  if (isModifierEnabled(this.modifiers, 'applyStyle')) {\n    this.popper.removeAttribute('x-placement');\n    this.popper.style.position = '';\n    this.popper.style.top = '';\n    this.popper.style.left = '';\n    this.popper.style.right = '';\n    this.popper.style.bottom = '';\n    this.popper.style.willChange = '';\n  }\n  this.disableEventListeners();\n  // remove the popper if user explicity asked for the deletion on destroy\n  // do not use `remove` because IE11 doesn't support it\n  if (this.options.removeOnDestroy) {\n    this.popper.parentNode.removeChild(this.popper);\n  }\n  return this;\n}

/**\n * Set the style to the given popper\n * @param {String} property (camelCase or PascalCase, depending on the vendor prefix)\n * @param {*} value\n * @returns {void}\n */\nfunction setStyle(property, value) {\n  this.popper.style[property] = value;\n}
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;
  });
}

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} 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
  // 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
  var arrowElement = data.arrowElement;
  if (arrowElement) {
    setStyles(arrowElement, data.arrowStyles);
  }

  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 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 = {
    position: options.positionFixed ? 'fixed' : 'absolute'};

  var popperRect = getBoundingClientRect(popper); // avoid blurriness 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)};

  return {
    x: offsetParent.x + data.offsets.to
  }
prefixed version if needed\n var prefixedProperty = getSupportedPropertyName('transform');\n\n // now, let's make
a step back and look at this code closely (wtf?)\n // If the content of the popper grows once it's been positioned, it\n
// may happen that the popper gets misplaced because of the new content\n // overflowing its reference element\n //
To avoid this problem, we provide two options (x and y), which allow\n // the consumer to define the offset
origin.\n // If we position a popper on top of a reference element, we can set\n // `x` to `top` to make the popper
grow towards its top instead of\n // its bottom.\n var left = void 0,\n
top = void 0;\n if (sideA === 'bottom') {\n
// when offsetParent is <html> the positioning is relative to the bottom of the screen (excluding the scrollbar)\n //
and not the bottom of the html element\n if (offsetParent.nodeName === 'HTML') {\n
top = offsetParent.clientHeight + offsets.bottom;\n } else {\n
top = -offsetParentRect.height + offsets.bottom;\n }\n
} else {\n top = offsets.top;\n }\n if (sideB === 'right') {\n if (offsetParent.nodeName === 'HTML') {\n
left
= -offsetParent.clientWidth + offsets.right;\n } else {\n
left = -offsetParentRect.width + offsets.right;\n }\n }
else {\n left = offsets.left;\n }\n if (gpuAcceleration && prefixedProperty) {\n styles[prefixedProperty] =
'translate3d(' + left + 'px, ' + top + 'px, 0)';\n styles[sideA] = 0;\n styles[sideB] = 0;\n styles.willChange =
'transform';\n } else {\n // othwerise, we use the standard `top`, `left`, `bottom` and `right` properties\n var
invertTop = sideA === 'bottom' ? -1 : 1;\n var invertLeft = sideB === 'right' ? -1 : 1;\n styles[sideA] = top *
invertTop;\n styles[sideB] = left * invertLeft;\n styles.willChange = sideA + ', ' + sideB;\n }\n\n // Attributes\n
var attributes = {\n 'x-placement': data.placement\n };\n\n // Update `data` attributes, styles and arrowStyles\n
data.attributes = _extends({}, attributes, data.attributes);\n data.styles = _extends({}, styles, data.styles);\n
data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);\n\n return data;\n}\n\n/**\n * Helper used to
know if the given modifier depends from another one.<br />\n * It checks if the needed modifier is listed and
enabled.\n * @method\n * @memberof Popper.Utils\n * @param {Array} modifiers - list of modifiers\n * @param
{String} requestingName - name of requesting modifier\n * @param {String} requestedName - name of requested
modifier\n * @returns {Boolean}\n */\nfunction isModifierRequired(modifiers, requestingName, requestedName)
{\n var requesting = find(modifiers, function (_ref) {\n var name = _ref.name;\n return name ===
requestingName;\n });\n\n var isRequired = !!requesting && modifiers.some(function (modifier) {\n return
modifier.name === requestedName && modifier.enabled && modifier.order < requesting.order;\n });\n\n if
(!isRequired) {\n var _requesting = '`' + requestingName + '`';\n var requested = '`' + requestedName + '`';\n
console.warn(requested + ' modifier is required by ' + _requesting + ' modifier in order to work, be sure to include it
before ' + _requesting + '!');\n }\n return isRequired;\n}\n\n/**\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 * @returns {Object} The data object, properly modified\n */\nfunction
arrow(data, options) {\n var _data$offsets$arrow;\n\n // arrow depends on keepTogether in order to work\n if
(!isModifierRequired(data.instance.modifiers, 'arrow', 'keepTogether')) {\n return data;\n }\n\n var arrowElement
= options.element;\n\n // if arrowElement is a string, suppose it's a CSS selector\n if (typeof arrowElement ===
'string') {\n arrowElement = data.instance.popper.querySelector(arrowElement);\n\n // if arrowElement is not
found, don't run the modifier\n if (!arrowElement) {\n
return data;\n }\n } else {\n // if the arrowElement
isn't a query selector we must check that the\n // provided DOM node is child of its popper node\n if
(!data.instance.popper.contains(arrowElement)) {\n
console.warn('WARNING: `arrow.element` must be child of
its popper element!');\n
return data;\n }\n }\n\n var placement = data.placement.split('-')[0];\n var
_data$offsets = data.offsets,\n
popper = _data$offsets.popper,\n
reference = _data$offsets.reference;\n\n var
isVertical = ['left', 'right'].indexOf(placement) !== -1;\n\n var len = isVertical ? 'height' : 'width';\n var
sideCapitalized = isVertical ? 'Top' : 'Left';\n var side = sideCapitalized.toLowerCase();\n var altSide = isVertical ?
'left' : 'top';\n var opSide = isVertical ? 'bottom' : 'right';\n var arrowElementSize =
getOuterSizes(arrowElement)[len];\n\n //\n // extends keepTogether behavior making sure the popper and its\n //
reference have enough pixels in conjunction\n //\n\n // top/left side\n if (reference[opSide] - arrowElementSize <
bottom/right side\n if (reference[side] + arrowElementSize > popper[opSide]) {\n data.offsets.popper[side] +=
reference[side] + arrowElementSize - popper[opSide];\n }\n data.offsets.popper =

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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
  // 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 popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

  // 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 popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

  // Prevent arrowElement from being placed not contiguous to its popper
  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);

  // Get the opposite placement variation of the given one
  placement variation
  @returns {String} flipped placement variation
  @function
  getOppositeVariation(variation) {
    // for 'end' / 'start' return 'start' / 'end' else if 'start' / 'end'
    return variation === 'end' ? 'start' : variation;
  }

  // List of accepted placements to use as values of the 'placement'
  placement
  @returns {Array} placements including their variations
  @method
  clockwise(placement) {
    var index = validPlacements.indexOf(placement);
    var arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
    return arr.reverse();
  }

  // Gets rid of 'auto' / 'auto-end' and auto-end
  var validPlacements = placements.slice(3);
  var placement = data.placement.split('-')[0];
  var placementOpposite = getOppositePlacement(placement);
  var variation = data.placement.split('-')[1] || '';

  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;
      break;
  }

  for (var i = 0; i < flipOrder.length; i += 1) {
    var data = data.offsets.popper;
    var newPlacement = flipOrder[i];
    var newPlacementOpposite = getOppositePlacement(newPlacement);
    var newVariation = data.placement.split('-')[1] || '';
    var newFlipOrder = flipOrder.slice(0, i + 1);
    switch (options.behavior) {
      case BEHAVIORS.FLIP:
        newFlipOrder = [newPlacement, newPlacementOpposite];
        break;
      case BEHAVIORS.CLOCKWISE:
        newFlipOrder = clockwise(newPlacement);
        break;
      case BEHAVIORS.COUNTERCLOCKWISE:
        newFlipOrder = clockwise(newPlacement, true);
        break;
      default:
        newFlipOrder = options.behavior;
        break;
    }

    data = data.offsets.popper;
    var newPlacement = newPlacement;
    var newPlacementOpposite = newPlacementOpposite;
    var newVariation = newVariation;
    var newFlipOrder = newFlipOrder;

    if (isModifierEnabled(data.instance.modifiers, 'inner')) {
      // if 'inner' modifier is enabled, we can't use the
      // flip modifier
      if (data.flipped & data.placement !== data.originalPlacement) {
        // seems like flip is trying to loop, probably there's not
        // enough space on any of the flippable sides
        return data;
      }
    }
  }

  return data;

  // Gets rid of 'auto' / 'auto-end' and auto-end
  var validPlacements = placements.slice(3);
  var placement = data.placement.split('-')[0];
  var placementOpposite = getOppositePlacement(placement);
  var variation = data.placement.split('-')[1] || '';
  var newFlipOrder = flipOrder.slice(0, i + 1);

  switch (options.behavior) {
    case BEHAVIORS.FLIP:
      newFlipOrder = [newPlacement, newPlacementOpposite];
      break;
    case BEHAVIORS.CLOCKWISE:
      newFlipOrder = clockwise(newPlacement);
      break;
    case BEHAVIORS.COUNTERCLOCKWISE:
      newFlipOrder = clockwise(newPlacement, true);
      break;
    default:
      newFlipOrder = options.behavior;
      break;
  }

  for (var i = 0; i < newFlipOrder.length; i += 1) {
    var data = data.offsets.popper;
    var newPlacement = newFlipOrder[i];
    var newPlacementOpposite = getOppositePlacement(newPlacement);
    var newVariation = data.placement.split('-')[1] || '';
    var newFlipOrder = newFlipOrder.slice(0, i + 1);

    if (isModifierEnabled(data.instance.modifiers, 'inner')) {
      // if 'inner' modifier is enabled, we can't use the
      // flip modifier
      if (data.flipped & data.placement !== data.originalPlacement) {
        // seems like flip is trying to loop, probably there's not
        // enough space on any of the flippable sides
        return data;
      }
    }
  }

  return data;

  // Gets rid of 'auto' / 'auto-end' and auto-end
  var validPlacements = placements.slice(3);
  var placement = data.placement.split('-')[0];
  var placementOpposite = getOppositePlacement(placement);
  var variation = data.placement.split('-')[1] || '';
  var newFlipOrder = flipOrder.slice(0, i + 1);

  switch (options.behavior) {
    case BEHAVIORS.FLIP:
      newFlipOrder = [newPlacement, newPlacementOpposite];
      break;
    case BEHAVIORS.CLOCKWISE:
      newFlipOrder = clockwise(newPlacement);
      break;
    case BEHAVIORS.COUNTERCLOCKWISE:
      newFlipOrder = clockwise(newPlacement, true);
      break;
    default:
      newFlipOrder = options.behavior;
      break;
  }

  for (var i = 0; i < newFlipOrder.length; i += 1) {
    var data = data.offsets.popper;
    var newPlacement = newFlipOrder[i];
    var newPlacementOpposite = getOppositePlacement(newPlacement);
    var newVariation = data.placement.split('-')[1] || '';
    var newFlipOrder = newFlipOrder.slice(0, i + 1);

    if (isModifierEnabled(data.instance.modifiers, 'inner')) {
      // if 'inner' modifier is enabled, we can't use the
      // flip modifier
      if (data.flipped & data.placement !== data.originalPlacement) {
        // seems like flip is trying to loop, probably there's not
        // enough space on any of the flippable sides
        return data;
      }
    }
  }

  return data;
floor(popperOffsets.right) > floor(refOffsets.left) || placement === 'right' & & floor(popperOffsets.right) < floor(refOffsets.right) || placement === 'top' & & floor(popperOffsets.top) > floor(refOffsets.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(refOffsets.bottom) || placement === 'left' & & floor(popperOffsets.left) > floor(refOffsets.left) || placement === 'right' & & floor(popperOffsets.right) < floor(refOffsets.right) || placement === 'top' & & floor(popperOffsets.top) > floor(refOffsets.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(refOffsets.bottom) || placement === 'left' & & floor(popperOffsets.left) > floor(refOffsets.left) || placement === 'right' & & floor(popperOffsets.right) < floor(refOffsets.right) || placement === 'top' & & floor(popperOffsets.top) > floor(refOffsets.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(refOffsets.bottom) ? placement === 'left' & & floor(popperOffsets.left) > floor(refOffsets.left) || placement === 'right' & & floor(popperOffsets.right) < floor(refOffsets.right) || placement === 'top' & & floor(popperOffsets.top) > floor(refOffsets.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(refOffsets.bottom) : floor(popperOffsets.left) < floor(boundaries.left) ? overflowsLeft = true : floor(popperOffsets.right) > floor(boundaries.right) ? overflowsRight = true : floor(popperOffsets.top) > floor(boundaries.top) ? overflowsTop = true : floor(popperOffsets.bottom) > floor(boundaries.bottom) ? overflowsBottom = true : overflowsBoundaries = true;

    var overflows = { overflowsLeft, overflowsRight, overflowsTop, overflowsBottom, overflowsBoundaries, isVertical: true }

    if (overflows && overflowsLeft || placement === 'left' & & floor(popperOffsets.left) > floor(boundaries.left) || placement === 'right' & & floor(popperOffsets.right) < floor(boundaries.right) || placement === 'top' & & floor(popperOffsets.top) > floor(boundaries.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(boundaries.bottom)) {
      placement = flipOrder[index + 1];
    } if (overflows && overflowsRight || placement === 'left' & & floor(popperOffsets.left) > floor(boundaries.left) || placement === 'right' & & floor(popperOffsets.right) < floor(boundaries.right)) {
      placement = flipOrder[index + 1];
    } if (overflows && overflowsTop || placement === 'top' & & floor(popperOffsets.top) > floor(boundaries.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(boundaries.bottom)) {
      placement = flipOrder[index + 1];
    } if (overflows && overflowsBottom || placement === 'top' & & floor(popperOffsets.top) > floor(boundaries.top) || placement === 'bottom' & & floor(popperOffsets.bottom) < floor(boundaries.bottom)) {
      placement = flipOrder[index + 1];
    }

    var flipped = isVertical ? placement === 'top' & & overflowsTop || placement === 'bottom' & & overflowsBottom : placement === 'left' & & overflowsLeft || placement === 'right' & & overflowsRight;

    data.placement = placement + (flipped ? '-' + placement : '');

    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 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*)\+)?\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':
        element = referenceOffsets;
        break;
    }

    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh' || unit === 'vw') {
    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh' || unit === 'vw') {
    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh' || unit === 'vw') {
    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else
  }
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 (fragments[divider] && fragments[divider].indexOf(',') === -1) {
  console.warn('Offsets separated by white space(s) are deprecated, use a comma (,) instead.');
}

// If divider is found, we divide the list of values and operands to divide
// them by offset X and Y.
var splitReg = /
+\*\*|\*\*\*\*|\*\*\+\*\*/
var ops = divider !== -1 ? 
[fragments.slice(0, divider).concat([fragments[divider].split(splitReg)[0]]),
[fragments[divider].split(splitReg)[1]].concat(fragments.slice(divider + 1))] : [fragments];

// Convert the values with units to absolute pixels to allow our computations
ops = ops.map(function (op, index) {
  // 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[a.length - 1] === '' && ['+', '-'].indexOf(b) !== -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);
    }
  });
});

/**
 * @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 === 'bottom') {
    popper.left += offsets[0];
    popper.top += offsets[1];
  }

  data.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 preventOverflow(data, options) {
  var boundariesElement = options.boundariesElement || getOffsetParent(data.instance.popper);

  // 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;

  var popper = data.popper;

  popperStyles[transformProp] = transform;

  options.boundaries = boundariesElement;
  options.padding = 0;
  options.escapeWithReference = true;

  var boundaries = getBoundaries(data.instance.popper, datainstance.reference, options.padding,
boundariesElement, data.instance.positionFixed);

  // NOTE: DOM access here restores the original style properties
  // after the offsets have been computed
  popperStyles[transformProp] = transform;

  var boundary = options.boundaries;

  if (boundary) {
    var value = popper[placement];
    if (popper[placement] < boundaries[placement] && options.escapeWithReference) {
      data[placement] += boundary;
    }
  }

  return data;
}
value = Math.max(popper[placement], boundaries[placement]);

return defineProperty({}, placement, value);

secondary: function secondary(placement) {
  var mainSide = placement === 'right' ? 'left' : (placement === 'top' ? 'bottom' : placement);
  var boundaries = popper[mainSide];

  return defineProperty({}, placement, Math.max(popper[placement], boundaries[placement]));
}

return defineProperty({}, mainSide, value);

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;
}

/**
 * @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) {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide === true) {
      return data;
    }

    data.hide = true;
    data.attributes['x-out-of-boundaries'] = '';
  } else {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide === false) {
      return data;
    }

    data.hide = false;
    data.attributes['x-out-of-boundaries'] = false;
  }

  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 inner(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var reference = _data$offsets.reference;
  var popper = _data$offsets.popper;

  var isHoriz = ['left', 'right'].indexOf(basePlacement) !== -1;
  var subtractLength = ('top', 'left').indexOf(basePlacement) !== -1;
  var popper = popper[isHoriz ? 'left' : 'top'] = reference[basePlacement] - (subtractLength ? popper[isHoriz ? 'width' : 'height'] : 0);

  data.placement = getOppositePlacement(placement);
  data.offsets.popper = getClientRect(popper);

  return data;
}

@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
 */

@namespace modifiers

/**
 * Modifier used to shift the popper on the start or end of its reference
 * @memberof modifiers
 */

/**
 * The `offset` modifier can shift your popper on both its axis.
 * It accepts the
following units:
- `px` or unit-less, interpreted as pixels
- `-%` or `-%r`, percentage relative to the length of the reference element
- `-%p`, percentage relative to the length of the popper element
- `-vw`, CSS viewport width unit
- `-vh`, CSS viewport height unit
- For length is intended the main axis relative to the placement of the popper.<br />
* This means that if the placement is 'top' or 'bottom', the length will be the same * `width`. In case of 'left' or 'right', it will be the `height`.
* You can provide a single value (as 'Number' or 'String'), or a pair of values as 'String' divided by a comma or one (or more) white spaces.<br />
* The latter is a deprecated method because it leads to confusion and will be removed in v2.<br />
* Additionally, it accepts additions and subtractions between different units.
* Note that multiplications and divisions aren't supported.
* Valid examples are: `10%`, `10% * 10%`, `10% + 10%`, `10 - 5vh + 3%`, `-10px + 5vh`, `5px - 6%`.

### Modifier Description

<table>
<thead>
<tr>
<th>Modifier</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>preventOverflow</strong></td>
<td><code> enabled: true, fn: preventOverflow, priority: ['left', 'right', 'top', 'bottom']</code></td>
<td>Prevents the popper from overlapping the boundaries.</td>
</tr>
<tr>
<td><strong>keepTogether</strong></td>
<td><code> enabled: true, fn: keepTogether, boundariesElement: 'scrollParent'</code></td>
<td>Keeps the popper and its reference element near each other.</td>
</tr>
<tr>
<td><strong>arrow</strong></td>
<td><code> enabled: true, fn: arrow, order: 500</code></td>
<td>Moves the <code>arrowElement</code> to ensure it is positioned between the reference and its popper.</td>
</tr>
<tr>
<td><strong>offset</strong></td>
<td><code> enabled: true, fn: offset, order: 200</code></td>
<td>Allows for offsets to be applied to the popper.</td>
</tr>
</tbody>
</table>

**NB**: If you desire to apply offsets to your poppers in a way that may make them overlap with their reference element, unfortunately, you will have to disable the `flip` modifier. You can read more on this at this [issue](https://github.com/FezVrasta/popper.js/issues/373).

Disabling `flip` can be done by setting `flip: false` in the `modifiers` array. However, `flip` is an important modifier that allows the popper to maintain its position relative to the reference element, especially in cases where the popper is too large for the available space. When disabling `flip`, some edge cases need to be considered:

- **Escaping boundaries**: When the popper `escapeWithReference` is set to `true` and reference is completely positioned outside the boundaries, the popper will overflow (or completely leave) the boundaries in order to remain attached to the edge of the reference.<br />
- **Prevent overflow**: When enabled, the popper will try to prevent overflow following these priorities by default:<br />
  * then, it could overflow on the left and on top of the `boundariesElement`
  * priority: ['left', 'right', 'top', 'bottom']<br />

### Code Example

```javascript
```
Update cycle and will restart it if it detects the need to flip the placement.

* @memberof modifiers
* @inner
* @name applyStyle
* @prop {number} order=900 - Index used to define the order of execution
* @prop {ModifierFn} fn: applyStyle
* @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)
* @prop {Object} data
* @property {String} data.placement Placement applied to popper
* @property {String} `onCreate` and `onUpdate` callbacks.
* @name dataObject
* @property {Object} data.instance The Popper.js object containing all the information used by Popper.js.
* This object is passed to modifiers and to the `computeStyle` modifier
* @inner
* @name inner
* @prop {number} padding=5
* The popper will flip if it hits the edges of the `boundariesElement`
* @prop {number} order=600 - Index used to define the order of execution
* @prop {ModifierFn} fn: flip
* @prop {String|Array} behavior='flip'
* The behavior 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 of the defined boundaries
* (except if `keepTogether` is enabled)
* @prop {String|HTMLElement} boundariesElement='viewport'
* The element which will define the boundaries of the popper position
* The popper will never be placed outside of the defined boundaries
* @inner
* @prop {number} order=700 - Index used to define the order of execution
* @prop {ModifierFn} fn: inner
* @inner
* @prop {number} order=800 - Index used to define the order of execution
* @prop {Boolean} enabled=true - Whether the modifier is enabled or not
* @prop {number} order=850 - Index used to define the order of execution
* @prop {Boolean} enabled=true - Whether the modifier is enabled or not
* @prop {number} order=900 - Index used to define the order of execution
* @prop {Function} fn: applyStyle
* @prop {Object} data
* @property {String} data.object Name of the data object
* @property {String} data.js instance Name of the data object
* @property {String} data.placement Placement applied to popper
* @property {String}
data.originalPlacement Placement originally defined on init\n * @property {Boolean} data.flipped True if popper has been flipped by flip modifier\n * @property {Boolean} data.hide True if the reference element is out of boundaries, useful to know when to hide the popper\n * @property {HTMLElement} data.arrowElement Node used as arrow by arrow modifier\n * @property {Object} data.styles Any CSS property defined here will be applied to the popper. It expects the JavaScript nomenclature (e.g. `marginBottom`)\n * @property {Object} data.placements The measurements of popper, reference and arrow elements\n * @property {Object} data.placements.popper `top`, `left`, `width`, `height` values\n * @property {Object} data.placements.reference `top`, `left`, `width`, `height` values\n * @property {Object} data.placements.arrow `top` and `left` offsets, only one of them will be different from 0\n */

/**
 * Default options provided to Popper.js constructor.<br />\n * These can be overridden using the `options` argument of Popper.js.<br />\n * To override an option, simply pass an object with the same\n * structure of the `options` object, as the 3rd argument. For example:<br />\n * new Popper(ref, pop, {
 *   modifiers: {
 *     preventOverflow: { enabled: false }
 *   }
 * })<br />\n * Callback called when the popper is created.<br />\n * By default, it is set to no-op.<br />\n * Access Popper.js instance with `data.instance`.<br />\n */

var Popper =
function () {
  /**
   * Creates a new Popper.js instance.
   * @class Popper
   * @param {HTMLElement|referenceObject} reference - The reference element used to position the popper
   * @param {HTMLElement} popper - The HTML element used as the popper
   * @param {Object} options - Your custom options to override the ones defined in [Defaults](#defaults)
   * @return {Object} instance - The generated Popper.js instance
   */
  function Popper(reference, popper) {
    var _this = this;

    classCallCheck(this, Popper);

    this.scheduleUpdate = function () {
      return requestAnimationFrame(_this.update);
    };

    // make update() debounced, so that it only runs at most once-per-tick
    this.update = debounce(this.update.bind(this));

    // with {} we create a new object with the options inside it\n    this.options = _extends({}, Popper.Defaults, options);

    // initialization
    this.state = {
      isDestroyed: false,
      isCreated: false,
      scrollParents: []
    };

    // get reference and popper elements (allow jQuery wrappers)
    this.popper = popper.jquery ? popper[0] : popper;

    // Deep merge modifiers options
    this.options.modifiers = {};
    Object.keys(this.options.modifiers).forEach(function (name) {
      this.options.modifiers[name] = _extends({
        name: name
      }, this.options.modifiers[name] || {});
    });

    // Refactoring modifiers' list (Object => Array)
    this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
      return _extends({
        name: name
      }, this.options.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 of modifiers.

```javascript
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;
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;
}
```

// 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;
this.update();
ext/object/normalize-options')\n , isCallable = require('es5-ext/object/is-callable')\n , contains
= require('es5ext/string/#/contains')\n\n , d;\n\nd = module.exports = function (dscr, value/*, options*/) {\n\tvar c, e, w, options,
desc;\n\tif ((arguments.length < 2) || (typeof dscr !== 'string')) {\n\t\toptions = value;\n\t\tvalue = dscr;\n\t\tdscr =
null;\n\t} else {\n\t\toptions = arguments[2];\n\t}\n\tif (dscr == null) {\n\t\tc = w = true;\n\t\te = false;\n\t} else
{\n\t\tc = contains.call(dscr, 'c');\n\t\te = contains.call(dscr, 'e');\n\t\tw = contains.call(dscr, 'w');\n\t}\n\n\tdesc = {
value: value, configurable: c, enumerable: e, writable: w };\n\treturn !options ? desc :
assign(normalizeOpts(options), desc);\n};\n\nd.gs = function (dscr, get, set/*, options*/) {\n\tvar c, e, options,
desc;\n\tif (typeof dscr !== 'string') {\n\t\toptions = set;\n\t\tset = get;\n\t\tget = dscr;\n\t\tdscr = null;\n\t} else
{\n\t\toptions = arguments[3];\n\t}\n\tif (get == null) {\n\t\tget = undefined;\n\t} else if (!isCallable(get))
{\n\t\toptions = get;\n\t\tget = set = undefined;\n\t} else if (set == null) {\n\t\tset = undefined;\n\t} else if
(!isCallable(set)) {\n\t\toptions = set;\n\t\tset = undefined;\n\t}\n\tif (dscr == null) {\n\t\tc = true;\n\t\te = false;\n\t}
else {\n\t\tc = contains.call(dscr, 'c');\n\t\te = contains.call(dscr, 'e');\n\t}\n\n\tdesc = { get: get, set: set, configurable:
c, enumerable: e };\n\treturn !options ? desc : assign(normalizeOpts(options), desc);\n};\n","module.exports =
function (it, Constructor, name, forbiddenField) {\n if (!(it instanceof Constructor) || (forbiddenField !== undefined
&& forbiddenField in it)) {\n throw TypeError(name + ': incorrect invocation!');\n } return it;\n};\n","var isArray
= require('./isArray'),\n isSymbol = require('./isSymbol');\n\n/** Used to match property names within property
paths. */\nvar reIsDeepProp = /\\.|\\[(?:[^[\\]]*|([\"'])(?:(?!\\1)[^\\\\]|\\\\.)*?\\1)\\]/,\n reIsPlainProp =
/^\\w*$/;\n\n/**\n * Checks if `value` is a property name and not a property path.\n *\n * @private\n * @param {*}
value The value to check.\n * @param {Object} [object] The object to query keys on.\n * @returns {boolean}
Returns `true` if `value` is a property name, else `false`.\n */\nfunction isKey(value, object) {\n if (isArray(value))
{\n return false;\n }\n var type = typeof value;\n if (type == 'number' || type == 'symbol' || type == 'boolean' ||\n
value == null || isSymbol(value)) {\n return true;\n }\n return reIsPlainProp.test(value) ||
!reIsDeepProp.test(value) ||\n (object != null && value in Object(object));\n}\n\nmodule.exports =
isKey;\n","\"use strict\";\n\nvar keys = require(\"../keys\")\n , value = require(\"../valid-value\")\n , max =
Math.max;\n\nmodule.exports = function (dest, src /*, …srcn*/) {\n\tvar error, i, length = max(arguments.length, 2),
assign;\n\tdest = Object(value(dest));\n\tassign = function (key) {\n\t\ttry {\n\t\t\tdest[key] = src[key];\n\t\t} catch (e)
{\n\t\t\tif (!error) error = e;\n\t\t}\n\t};\n\tfor (i = 1; i < length; ++i) {\n\t\tsrc =
arguments[i];\n\t\tkeys(src).forEach(assign);\n\t}\n\tif (error !== undefined) throw error;\n\treturn dest;\n};\n","//
19.1.3.1 Object.assign(target, source)\nvar $export = require('./_export');\n\n$export($export.S + $export.F, 'Object',
{ assign: require('./_object-assign') });\n","\"use strict\";\n\nvar indexOf =
String.prototype.indexOf;\n\nmodule.exports = function (searchString/*, position*/) {\n\treturn indexOf.call(this,
searchString, arguments[1]) > -1;\n};\n","\"use strict\";\n\nmodule.exports = require(\"./is-implemented\")()\n\t?
String.prototype.contains\n\t: require(\"./shim\");\n","var baseProperty = require('./_baseProperty'),\n
basePropertyDeep = require('./_basePropertyDeep'),\n isKey = require('./_isKey'),\n toKey =
require('./_toKey');\n\n/**\n * Creates a function that returns the value at `path` of a given object.\n *\n * @static\n
* @memberOf _\n * @since 2.4.0\n * @category Util\n * @param {Array|string} path The path of the property to
get.\n * @returns {Function} Returns the new accessor function.\n * @example\n *\n * var objects = [\n * { 'a': {
'b': 2 } },\n * { 'a': { 'b': 1 } }\n * ];\n *\n * _.map(objects, _.property('a.b'));\n * // => [2, 1]\n *\n *
_.map(_.sortBy(objects, _.property(['a', 'b'])), 'a.b');\n * // => [1, 2]\n */\nfunction property(path) {\n return
isKey(path) ? baseProperty(toKey(path)) : basePropertyDeep(path);\n}\n\nmodule.exports = property;\n","var
document = require('./_global').document;\nmodule.exports = document && document.documentElement;\n","//
This file is imported into lib/wc client bundles.\n\nif (typeof window !== 'undefined') {\n var i\n if ((i =
window.document.currentScript) && (i = i.src.match(/(.+\\/)[^/]+\\.js(\\?.*)?$/))) {\n __webpack_public_path__ =
i[1] // eslint-disable-line\n }\n}\n\n// Indicate to webpack that this file can be concatenated\nexport default
null\n","/*!\n * vue-i18n v8.4.0 \n * (c) 2018 kazuya kawaguchi\n * Released under the MIT License.\n */\n/*
*/\n\n/**\n * utilities\n */\n\nfunction warn (msg, err) {\n if (typeof console !== 'undefined') {\n
console.warn('[vue-i18n] ' + msg);\n /* istanbul ignore if */\n if (err) {\n
console.warn(err.stack);\n }\n
}\n}\n\nfunction isObject (obj) {\n return obj !== null && typeof obj === 'object'\n}\n\nvar toString =

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```
if (isPlainObject(options.i18n)) {
    // component local i18n
    if (this.$root && this.$root.$i18n &&
        this._i18n.watchI18nData();
    this._i18n.subscribeDataChanging(this);
    this._subscribing = true;
  }

  if (options.i18n) {
    if (options.i18n instanceof VueI18n) {
      // init locale
      options.i18n.init(local);
    } else {
      var locale = null;
      var params = null;
      if (args.length === 1) {
        if (isObject(args[0]) ||
            args[0] instanceof VueI18n) {
          var locale = args[0];
          this._i18n = locale;
          this._i18nWatcher =
              locale.i18n;
          this._i18n.onLocaleMessageUpdate(this.
            _getMessages());
        } else if (typeof args[0] === 'string') {
          locale = args[0];
          this._i18n = locale;
          this._i18n.onLocaleMessageUpdate(this.
            _getMessages());
        } else if (typeof args[0] === 'object') {
          locale = args[0];
          this._i18n = locale;
          this._i18n.onLocaleMessageUpdate(this.
            _getMessages());
        } else if (typeof args[0] === 'function') {
          this._i18n = args[0];
          this._i18n.onLocaleMessageUpdate(this.
            _getMessages());
        } else if (typeof args[0] === 'error') {
          this._i18n = args[0];
          this._i18n.onLocaleMessageUpdate(this.
            _getMessages());
        }
      }
    }
  }
```
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; 
} 

if (options.__i18n) { catch (e) { 
  if (process.env.NODE_ENV !== 'production') {
    warn('Cannot parse locale messages via custom blocks.', e); 
  } 
  options.i18n.messages = localeMessages$1; 
} 

if (options.i18n.sync === undefined || !!options.i18n.sync) {
  // init locale messages via custom blocks
  if (options._i18n) { 
    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.', e);
      }
    }
  }

  this._i18n = new VueI18n(options.i18n); 
  this._i18nWatcher = this._i18n.watchI18nData(); 
  this._i18n.subscribeDataChanging(this); 
  this._i18n.subscribeDataChanging = true;
  
  if (options.i18n.sync === undefined || !!options.i18n.sync) {
    (this._i18nWatcher = 
        this.$i18n.watchLocale(); 
    ) 
  } else if (process.env.NODE_ENV !== 'production') {
    warn('Cannot be interpreted i18n option.'); 
  }

  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;
  }
}

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 everyPlace = children.every(function (child, i) {
      return child.data.attrs.place || (child.data.attrs.place = 'childMESSAGE')
    });

    if (process.env.NODE_ENV !== 'production' && hasPlaces && children.length > 0 &&
      !everyPlace) {
      warn('If places prop is set, all child elements must have place prop set.'); 
    }

    if (Array.isArray(places)) {
      places.forEach(function (el, i) {
        params[i] = el;
      });
    } else {
      Object.keys(places).forEach(function (key) {
        params[key] = places[key];
      });
    }

    children.forEach(function (child, i) {
      var key = everyPlace
        ? ("" + (child.data.attrs.place))
        : ("" + i);
      params[key] = child;
    });

    return h(props.tag, data, i18n.i(path, locale, params))
  }
};
ref.locale;\n var args = ref.args;\n var choice = ref.choice;\n if (!path && !locale && !args) {\n warn('value type
not supported');\n return\n }\n\n if (!path) {\n warn('`path` is required in v-t directive');\n return\n }\n\n var
vm = vnode.context;\n if (choice) {\n el._vt = el.textContent = (ref$1 = vm.$i18n).tc.apply(ref$1, [ path, choice
].concat( makeParams(locale, args) ));\n } else {\n el._vt = el.textContent = (ref$2 = vm.$i18n).t.apply(ref$2, [
path ].concat( makeParams(locale, args) ));\n }\n el._locale = vm.$i18n.locale;\n el._localeMessage =
vm.$i18n.getLocaleMessage(vm.$i18n.locale);\n}\n\nfunction parseValue (value) {\n var path;\n var locale;\n var
args;\n var choice;\n\n if (typeof value === 'string') {\n path = value;\n } else if (isPlainObject(value)) {\n path
= value.path;\n locale = value.locale;\n args = value.args;\n choice = value.choice;\n }\n\n return { path: path,
locale: locale, args: args, choice: choice }\n}\n\nfunction makeParams (locale, args) {\n var params = [];\n\n locale
&& params.push(locale);\n if (args && (Array.isArray(args) || isPlainObject(args))) {\n params.push(args);\n
}\n\n return params\n}\n\nvar Vue;\n\nfunction install (_Vue) {\n /* istanbul ignore if */\n if
(process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {\n warn('already
installed.');\n return\n }\n install.installed = true;\n\n Vue = _Vue;\n\n var version = (Vue.version &&
Number(Vue.version.split('.')[0])) || -1;\n /* istanbul ignore if */\n if (process.env.NODE_ENV !== 'production'
&& version < 2) {\n warn((\"vue-i18n (\" + (install.version) + \") need to use Vue 2.0 or later (Vue: \" +
(Vue.version) + \").\"));\n return\n }\n\n extend(Vue);\n Vue.mixin(mixin);\n Vue.directive('t', { bind: bind,
update: update, unbind: unbind });\n Vue.component(component.name, component);\n\n // use simple
mergeStrategies to prevent i18n instance lose '__proto__'\n var strats = Vue.config.optionMergeStrategies;\n
strats.i18n = function (parentVal, childVal) {\n return childVal === undefined\n
? parentVal\n
: childVal\n
};\n}\n\n/* */\n\nvar BaseFormatter = function BaseFormatter () {\n this._caches =
Object.create(null);\n};\n\nBaseFormatter.prototype.interpolate = function interpolate (message, values) {\n if
(!values) {\n return [message]\n }\n var tokens = this._caches[message];\n if (!tokens) {\n tokens =
parse(message);\n this._caches[message] = tokens;\n }\n return compile(tokens, values)\n};\n\n\n\nvar
RE_TOKEN_LIST_VALUE = /^(?:\\d)+/;\nvar RE_TOKEN_NAMED_VALUE = /^(?:\\w)+/;\n\nfunction parse
(format) {\n var tokens = [];\n var position = 0;\n\n var text = '';\n while (position < format.length) {\n var char
= format[position++];\n if (char === '{') {\n
if (text) {\n
tokens.push({ type: 'text', value: text });\n
}\n\n
text = '';\n
var sub = '';\n
char = format[position++];\n
while (char !== undefined && char !== '}') {\n
sub += char;\n
char = format[position++];\n
}\n
var isClosed = char === '}';\n\n
var type =
RE_TOKEN_LIST_VALUE.test(sub)\n
? 'list'\n
: isClosed &&
RE_TOKEN_NAMED_VALUE.test(sub)\n
? 'named'\n
: 'unknown';\n
tokens.push({ value: sub, type:
type });\n } else if (char === '%') {\n
// when found rails i18n syntax, skip text capture\n
if
(format[(position)] !== '{') {\n
text += char;\n
}\n } else {\n
text += char;\n }\n }\n\n text &&
tokens.push({ type: 'text', value: text });\n\n return tokens\n}\n\nfunction compile (tokens, values) {\n var compiled
= [];\n var index = 0;\n\n var mode = Array.isArray(values)\n ? 'list'\n : isObject(values)\n
? 'named'\n
:
'unknown';\n if (mode === 'unknown') { return compiled }\n\n while (index < tokens.length) {\n var token =
tokens[index];\n switch (token.type) {\n
case 'text':\n
compiled.push(token.value);\n
break\n
case
'list':\n
compiled.push(values[parseInt(token.value, 10)]);\n
break\n
case 'named':\n
if (mode ===
'named') {\n
compiled.push((values)[token.value]);\n
} else {\n
if (process.env.NODE_ENV !==
'production') {\n
warn((\"Type of token '\" + (token.type) + \"' and format of value '\" + mode + \"' don't
match!\"));\n
}\n
}\n
break\n
case 'unknown':\n
if (process.env.NODE_ENV !== 'production')
{\n
warn(\"Detect 'unknown' type of token!\");\n
}\n
break\n }\n index++;\n }\n\n return
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':

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// Get pathCharType

function getPathCharType (ch) {
  if (ch === undefined || ch === null) { return 'eof' }

  var code = ch.charCodeAt(0);

  switch (code) {
    case 0x5B: // [
    case 0x5D: // ]
    case 0x2E: // .
    case 0x22: // "
    case 0x27: // '
      return ch

    case 0x5F: // _
    case 0x24: // $
    case 0x2D: // -
      return 'ident'

    case 0x20: // Space
    case 0x09: // Tab
    case 0x0A:
    case 0xA0:  // No-break space
    case 0xFEFF:  // Byte Order Mark
    case 0x2028:  // Line Separator
    case 0x2029:  // Paragraph Separator
      return 'ws'
  }

  return 'ident'
}

/**
 * Format a subPath, return its plain form if it is a literal string or number. Otherwise prepend the * dynamic indicator (*).
 */

function formatSubPath (path) {
  var trimmed = path.trim();
  // invalid leading 0
  if (trimmed.charAt(0) === '0' && isNaN(trimmed)) { return false }

  return isLiteral(trimmed) ? stripQuotes(trimmed) : '*' + trimmed
}

/**
 * Parse a string path into an array of segments
 */

function parse$1 (path) {
  var keys = [];
  var index = -1;
  var mode = BEFORE_PATH;
  var subPathDepth = 0;
  var c;
  var key;
  var newChar;
  var type;
  var transition;
  var action;
  var typeMap;
  var actions = [];

  actions[PUSH] = function () {
    if (key !== undefined) {
      keys.push(key);
      key = undefined;
    }
  }

  actions[APPEND] = function () {
    if (key === undefined) {
      key = newChar;
    } else {
      key += newChar;
    }
  };

  actions[INC_SUB_PATH_DEPTH] = function () {
    actions[APPEND]();
    subPathDepth++;
  };

  actions[PUSH_SUB_PATH] = function () {
    if (subPathDepth > 0) {
      var subPathDepth++; // mode = IN_SUB_PATH
      actions[APPEND]();
      } else {
        subPathDepth = 0;
      key = formatSubPath(key);
      if (key === false) { return false }
    }

    if (mode === INC_SUB_PATH_DEPTH) {
      return true
    }
  }

  actions[INC_PATH] = function (c) {
    var nextChar = path[index + 1] || '\\';
    var nextCharType = getPathCharType(nextChar);
    if (nextCharType === 'ws') {
      index++;
      return formatSubPath(key); // mode = IN_SUB_PATH
      actions[APPEND]();
      } else {
        subPathDepth = 0;
      key = formatSubPath(key);
      if (key === false) { return false }
    }

    if (mode === IN_DOUBLE_QUOTE) {
      return true
    }
  }

  actions[INC_DOUBLE_QUOTE] = function (c) {
    var nextChar = path[index + 1] || '\\';
    var nextCharType = getPathCharType(nextChar);
    if (nextCharType === 'ws') {
      index++;
      return formatSubPath(key); // mode = IN_SUB_PATH
      actions[APPEND]();
      } else {
        subPathDepth = 0;
      key = formatSubPath(key);
      if (key === false) { return false }
    }

    if (mode === AFTER_PATH) {
      return true
    }
  }

  actions[APPEND] = function (c) {
    var nextChar = path[index + 1] || '\\';
    var nextCharType = getPathCharType(nextChar);
    if (nextCharType === 'ws') {
      index++;
      return formatSubPath(key); // mode = IN_SUB_PATH
      actions[APPEND]();
      } else {
        subPathDepth = 0;
      key = formatSubPath(key);
      if (key === false) { return false }
    }

    if (mode === AFTER_PATH) {
      return true
    }
  }

  function maybeUnescapeQuote () {
    var nextChar = path[index + 1] || '\\';
    var nextCharType = getPathCharType(nextChar);
    if (nextCharType === 'ws') {
      index++;
      return formatSubPath(key); // mode = IN_SUB_PATH
      actions[APPEND]();
      } else {
        subPathDepth = 0;
      key = formatSubPath(key);
      if (key === false) { return false }
    }

    if (mode === AFTER_PATH) {
      return true
    }
  }

  while (mode !== null) {
    index++;
    c = path[index] || '\\';
    var cType = getPathCharType(c);
    var cNextChar = path[index + 1] || '\\';
    var cNextCharType = getPathCharType(cNextChar);
    if (cNextCharType === 'ws') {
      index++;
      return formatSubPath(key); // mode = IN_SUB_PATH
      actions[APPEND]();
      } else {
        subPathDepth = 0;
      key = formatSubPath(key);
      if (key === false) { return false }
    }

    if (mode === AFTER_PATH) {
      return true
    }
  }

  if (isObject(obj)) {
    var allPaths = this.parsePath(path); // mode = AFTER_PATH
    if (allPaths.length <= 0) { return null }

    var last = obj; // while (i < length) {
    var i = 0; // (value === undefined) {

    var lastPath = value; // 
    var i++;
  }
}

var I18nPath = function I18nPath () {
  this._cache = Object.create(null);
};

/**
 * Get path value from path string
 */
I18nPath.prototype.getPathValue = function getPathValue (obj, path) {
  if (!isObject(obj)) {
    return null
  }

  var paths = this.parsePath(path);
  if (paths.length <= 0) { return null }

  var lastPath = paths[length - 1]; // while (i < length) {
  var i = 0; // (value === undefined) {

    var lastPath = value; // 
    var i++;
  }
}

/*
var numberFormatKeys = ['style', 'currency', 'currencyDisplay', 'useGrouping', 'minimumIntegerDigits', 'minimumFractionDigits', 'maximumFractionDigits', 'minimumSignificantDigits', 'maximumSignificantDigits', 'localeMatcher', 'formatMatcher', 'linkKeyMatcher', 'linkKeyPrefixMatcher', 'bracketsMatcher', 'formatMatcher'];

var linkKeyMatcher = /(?:@\.[a-z]+)?\[(?:\[\w\-\_[.]+|\(\[\w\-\_[.]+\)])\]/g;

var linkKeyPrefixMatcher = /^@\.(?:\.[a-z]+)?\:/; 

var bracketsMatcher = /\[\(\]/g;

var formatters = {
  'upper': function (str) { return str.toLocaleUpperCase(); },
  'lower': function (str) { return str.toLocaleLowerCase(); }
};

var VueI18n = function VueI18n (options) {
  var this$1 = this;
  if (options === void 0) options = {};

  // Auto install if it is not done yet and 'window' has 'Vue'. // To allow users to avoid auto-installation in some cases.
  // this code should be placed here. See #290
  /* istanbul ignore if */
  if (!Vue && typeof window !== 'undefined' && window.Vue) {
    install(window.Vue);
  }

  var locale = options.locale || 'en-US';
  var fallbackLocale = options.fallbackLocale || 'en-US';
  var messages = options.messages || {};
  var numberFormats = options.numberFormats || {};
  var dateTimeFormats = options.dateTimeFormats || {};

  this._vm = null;
  this._formatter = options.formatter || new BaseFormatter();
  this._missing = options.missing || null;
  this._root = options.root || null;
  this._sync = options.sync === undefined ? true : !!options.sync;
  this._fallbackRoot = options.fallbackRoot === undefined ? true : !!options.fallbackRoot;
  this._silentTranslationWarn = options.silentTranslationWarn === undefined ? false : !!options.silentTranslationWarn;

  this._initVM({
    locale: locale,
    fallbackLocale: fallbackLocale,
    messages: messages,
    dateTimeFormats: dateTimeFormats,
    numberFormats: numberFormats
  });
};

VueI18n.prototype._initVM = function _initVM (data) {
  var silent = Vue.config.silent;
  Vue.config.silent = true;
  this._vm = new Vue({ data: data });
  Vue.config.silent = silent;
};

VueI18n.prototype.subscribeDataChanging = function subscribeDataChanging (vm) {
  this._dataListeners.push(vm);
};

VueI18n.prototype.unsubscribeDataChanging = function unsubscribeDataChanging (vm) {
  remove(this._dataListeners, vm);
};

VueI18n.prototype.watchI18nData = function watchI18nData () {
  var self = this;
  return this._vm.$watch('$data', function () {
    var i = self._dataListeners.length;
    while (i--) {
      Vue.nextTick(function () {
        self._dataListeners[i].$forceUpdate();
      });
    }
  });
};

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, result, vm,
values) {
  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 {
    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 one of them with its translation
  var matches = ret.match(linkKeyMatcher);
  for (var idx in matches) {
    if (!matches.hasOwnProperty(idx)) {
      continue
    }
    var link = matches[idx];
    var linkKeyPrefixMatches = link.match(linkKeyPrefixMatcher);
    var linkPrefix = linkKeyPrefixMatches[0];
    var formatterName = linkKeyPrefixMatches[1];
    var linkPlaceholder = link.replace(linkPrefix, ");

    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);

    var translated = this$1._interpolate(
      locale, message, linkPlaceholder, host,
      interpolateMode === 'raw' ? 'string' : interpolateMode,
      interpolateMode === 'raw' ? undefined : values,
      visitedLinkStack
    );
    if (this$1._isFallbackRoot(translated)) {
      if (process.env.NODE_ENV !== 'production' &
        & this._silentTranslationWarn) {
        warn(("Fall back to translate the link placeholder '" + linkPlaceholder + '" with root locale."));
      }
      /* istanbul ignore if */
      if (!this$1._root) { throw Error('unexpected error') }
      var root = this$1._root.$i18n;
      translated = root._translate(
        root._getMessages(), root.locale,
        root.fallbackLocale,
        linkPlaceholder, host, interpolateMode, values);
    }
    translated = this$1._warnDefault(
      locale, linkPlaceholder, translated, host,
      Array.isArray(values) ? values : [values]
    );
    if (formatters.hasOwnProperty(formatterName)) {
      translated = formatters[formatterName](translated);
    }
    visitedLinkStack.pop();
  }
  return this$1._interpolate(locale, message, host,
    translate, interpolateMode === 'raw' ? 'string' : interpolateMode,
    interpolateMode === 'raw' ? undefined : values,
    visitedLinkStack
  );
}

VueI18n.prototype._render = function _render (message,
  interpolateMode, values) {
  var ret = this._formatter.interpolate(message, values);
  // if interpolateMode is **not** 'string' ('raw'),
  // return the compiled data (e.g. ['Too', VNode, 'bar']) with formatter
  return interpolateMode === 'string' ? ret.join(':') : ret
};

VueI18n.prototype._t = function _t (key, _locale, messages, host) {
  var var def =

```javascript
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, this.fallbackLocale, key, host, 'string', parsedArgs.params);

if (this.isFallbackRoot(ret)) {
  if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
    warn(("Fall back to translate the keypath '" + key + '" with root locale.'));
  } 
  return ret /* istanbul ignore if */
}

return ''

  var parsedArgs = parseArgs.apply(void 0, values);
  var locale = parsedArgs.locale || _locale;

  var ret = this._translate(messages, locale, this.fallbackLocale, key, host, 'raw', values);

  if (this.isFallbackRoot(ret)) {
    if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
      warn(("Fall back to interpolate the keypath '" + key + '" with root locale.'));
    } 
    return ret /* istanbul ignore if */
  }

  if (typeof locale !== 'string') {
    locale = this.locale;
  }

  return this._i(key, locale, messages, host, 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 ''; }

  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((this)._t.apply(this, [key, _locale, messages, host].concat(values)), 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()
};

/**
 * @param choice {number} a choice index given by the input to $tc:
 * $tc('path.to.rule', choiceIndex)
 * @param choicesLength {number} an overall amount of available choices
 * @returns a final choice index
*/
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 values = [], len = arguments.length - 2; while (len-- > 0) values[len] = arguments[len + 2];

  return (this)._tc.apply(this, [key, this.locale, this._getMessages(), choice].concat(values))
};

VueI18n.prototype.te = function te (key, locale) {
  return this._te(key, this.locale, this._getMessages(), locale)
};
```

```javascript
return Object.assign({}, acc, ( obj = {}, obj[key] = args[0][key], obj ))
}
return acc
}, null);

Object.keys(args[0]).reduce(function (acc, key) {
    var obj;

    if (numberFormatKeys.includes(key)) {
        key = args[0].key;
    }

    // Filter out number format options only
    options =

    if (isObject(args[0])) {
        if (args[0].locale) {
            locale = args[0].locale;
        }
        if (args[0].key) {
            key = args[0].key;
        }
    }

    // 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 ret || ''
    }

    if (!key) {
        var nf =
    }
};

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;

    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;
            }
        }
    }

    // fallback locale
    if (isNull(formats) || isNull(formats[key])) {
        if (process.env.NODE_ENV !== 'production') {
            warn("Cannot format a Number value due to not supported Intl.NumberFormat.");
        }
        return null
    } else {
        var format = formats[key];
        var id = locale + '__' + key;
        var formatter =
    }

    if (isNull(formats) || isNull(formats[key])) {
        return null
    } else {
        var format = formats[key];
        var id = locale + '__' + key;
        var formatter =
    }

    return ret
};

VueI18n.prototype.mergeNumberFormat = function mergeNumberFormat(loc...)
else if (args.length === 2) {
  if (typeof args[0] === 'string') {
    key = args[0];
  } else if (typeof args[1] === 'string') {
    locale = args[1];
  }
}

return this._n(value, locale, key, options);
}

Object.defineProperties(VueI18n.prototype, prototypeAccessors);

VueI18n.availabilities = {
  dateTimeFormat: canUseDateTimeFormat,
  numberFormat: canUseNumberFormat
};
VueI18n.install = install;
VueI18n.version = '8.4.0';

export default VueI18n;

import Vue from 'vue'
import VueI18n from 'vue-i18n'

Vue.use(VueI18n)

function loadLocaleMessages () {
  const locales = require.context('./locales', true, /\.[A-Za-z0-9-\-_]+\.json$/i)
  const messages = {}
  locales.keys().forEach(key => {
    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()
})

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: ${width}; flex-shrink: 0; flex-basis: 0;`})
  } 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 = {}
    // Add height
    rowObj.height = row.height
    // Add style
    row.boxes.forEach((box, index) => {
      const isLast = index === row.boxes.length - 1
      // Add style
      boxArr = boxArr.concat(getBoxStyle(left, width, isLast, subClass))
    })
    rowObj.boxes = boxArr
    rowArr.push(rowObj)
  })

  return rowArr
}

export {
  isFlexBasis,
  isWidth,
  getBoxStyle,
  formatRows
}
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```html
<template>
  <div class="donate-form container-fluid py-2">
    <h2 class="text-uppercase font-weight-bold text-primary h5" v-if="!noTitle">
      {{ $t('donate-form.support') }}
    </h2>
    <!-- @slot Description of the form (bellow the title). -->
    <slot name="introduction">
      <p v-html="$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' }">
              {{ $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">
            {{ $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 class="donate-form__insider__list">
                <li class="donate-form__insider__list-item">
                  {{ $vm._s($t('donate-form.benefits.impacts.conversation.list[0].title')) }}
                </li>
                <li class="donate-form__insider__list-item">
                  {{ $vm._s($t('donate-form.benefits.impacts.conversation.list[1].title')) }}
                </li>
                <li class="donate-form__insider__list-item">
                  {{ $vm._s($t('donate-form.benefits.impacts.conversation.list[2].title')) }}
                </li>
              </ul>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</template>
```
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Promise._unhandledRejectionFn(self._value);
}]
]

Promise._unhandledRejectionFn = function onUnhandledRejectionFn(err) {
  if (typeof console !== 'undefined' && console) {
    console.warn('Possible Unhandled Promise Rejection:', err); // eslint-disable-line no-console
  }
}

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);
        script.setAttribute("src", file);
      break;
      case "css":
        var css = document.createElement('link');
        css.setAttribute("rel", "stylesheet");
        css.setAttribute("type", "text/css");
        css.onload = resolve
        parent.appendChild(css);
        css.setAttribute("href", file);
      break;
    }
  })
})

export const injectAssets = function() {
  const files = flatten(arguments)
  return new Promise(resolve => {
    var
    filesLoaded = 0;
    var allFilesLoaded = function() {
      if (++filesLoaded == files.length) {
        resolve();
      }
    }
    for(var i=0; i < files.length ; i++) {
      injectAsset(files[i]).then(allFilesLoaded)
    }
  })
}

import every from 'lodash/every'
import { injectAssets } from './assets'
// Will hold the pym instance once
var pymChild = null
// URL parameters generated by Pym
const pymParams = ['initialWidth', 'childId', 'parentUrl', 'parentTitle']

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 
  }
}
if undefined or null
    throw new TypeError('Cannot convert undefined or null to object');

var to = Object(target);

for (var index = 0; index < arguments.length; index++) {
  var nextSource = arguments[index];
}

if (nextSource !== null) {
  // Skip over if undefined or null
  for (var nextKey in nextSource) {
    // Avoid bugs when hasOwnProperty is shadowed
    if (Object.prototype.hasOwnProperty.call(nextSource, nextKey)) {
      to[nextKey] = nextSource[nextKey];
    }
  }
}

if (typeof mapFn !== 'function') {
  throw new TypeError('Array.from: when provided, the second argument must be a
                   function…
       if (typeof mapFn !== 'undefined') {
         // 5. else
         // 5. a If IsCallable(mapFn) is false, throw a TypeError exception.
         if (!isCallable(mapFn)) {
           return x !== x && y !== y;
         } else {
           // 5. b. If thisArg was supplied, let T be thisArg; else let T be undefined.
           T = void 0;

           // 4. If mapfn is undefined, then let mapping be false.
           var mapFn = arguments.length > 1 ? arguments[1] : void undefined;
         }
       }
    } else {
      // 3. ReturnIfAbrupt(items).
      if (arrayLike === null) {
        return new TypeError('Cannot convert null or undefined to object');
      }

      var to = Object(arrayLike);

      // 2. Let items be ToObject(arrayLike).
      var items = Object(arrayLike);
// c. Let testResult be ToBoolean(? Call(predicate, T, « kValue, k, O »)).
// d. If testResult is true, return kValue.
var kValue = 0[k]; if (predicate.call(thisArg, kValue, k, o)) {
  return kValue;
}
// e. Increase k by 1. k++;

// 7. Return undefined.
return undefined;

if (!Array.isArray) {
  Array.isArray = function (arg) {
    return Object.prototype.toString.call(arg) === '[object Array]';
  };
}

// Static
export function from array {
  return array.map((item, index) => {
    return item;
  });
}

// 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);
}

// Rename
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(objToPluck)).reduce(function (memo, prop) {
    // eslint-disable-next-line no-sequences
    return memo[transformFn(prop)] = objToPluck[prop], memo;
  }, {});
}

import { from as arrayFrom } from './array';

// 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;
};

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 it's content (adjusting it's height/width
export var reflow = function reflow(el) {
  return isElement(el) && el.offsetHeight;
};

// Select all elements matching selector.
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 = Element.prototype;
  var Matches = proto.matches || proto.matchMedia || proto.matchesSelector || proto.mozMatchesSelector || proto.webkitMatchesSelector || proto.msMatchesSelector ||
  /* 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 i > -1;
  };

  return Matches.call(el, selector);
};

// Finds 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 for speed
  // Prefer native implementation over polyfill function
  var Closest = Element.prototype.closest;
  var Matches = proto.matches || proto.matchMedia || proto.mozMatchesSelector || proto.webkitMatchesSelector;

  // istanbul ignore next *\n  function (sel) {
    var element = this;
    var m = selectAll(sel, element.document || element.ownerDocument); // eslint-disable-next-line no-empty
    var i = m.length;
    // istanbul ignore next *\n    while (-i = 0 && &m.item(i) !== element) {}
    return i > -1;
  };

  return Matches.call(el, selector);
};

// Get an element given an ID
export var getById = function getById(id) {
  return document.getElementById(/^#/.test(id) ? id.slice(1) : id) || null;
};

// Add a class to an element
export var addClass = function addClass(el, className) {
  if (className)
    el.classList.add(className);
};

// Remove a class from an element
export var removeClass = function
removeClass(el, className) {
  if (className && isElement(el)) {
    el.classList.remove(className);
  }
}

// Test if an element has a class
export var hasClass = function hasClass(el, className) {
  if (className && isElement(el)) {
    return el.classList.contains(className);
  }
  return false;
};

// Set an attribute on an element
export var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
  }
};

// Remove an attribute from an element
export var removeAttr = function removeAttr(el, attr) {
  if (attr && isElement(el)) {
    el.removeAttribute(attr);
  }
};

// Get an attribute value from an element
export 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)
export var hasAttr = function hasAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.hasAttribute(attr);
  }
  return null;
};

// Get the Bounding Client Rect of an element. Retruns null if not an element
export var getBCR = function getBCR(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
};

// Get computed style object for an element
export var getCS = function getCS(el) {
  return isElement(el) ? window.getComputedStyle(el) : {};
};

// Return an element's offset wrt document element
export var offset = 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.pageYOffset }
  }
  return null;
};

// Return an element's offset wrt to it's offsetParent
export var position = 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 = offsetParent.parentNode;
    }
    if (offsetParent && 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)) }
};

// Attach an event listener to an element
export var eventOn = function eventOn(el, evtName, handler) {
  if (el && el.addEventListener) {
    el.addEventListener(evtName, handler);
  }
};

// Remove an event listener from an element
export var eventOff = function eventOff(el, evtName, handler) {
  if (el && el.removeEventListener) {
    el.removeEventListener(evtName, handler);
  }
};

...
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```javascript
import { assign, keys } from '../../utils/object';
import { addClass, removeClass } from '../../utils/dom';
import Link, { propsFactory as linkPropsFactory } from '../link/link';

var btnProps = {
  block: {
    type: String,
    default: null
  },
  success: {
    type: Boolean,
    default: false
  },
  disabled: {
    type: Boolean,
    default: false
  },
  size: {
    type: String,
    default: null
  },
  variant: {
    type: String,
    default: null
  },
  type: {
    type: String,
    default: null
  }
};

var linkProps = linkPropsFactory();
delete linkProps.href.default;
delete
```
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) {
      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}
         * @param {*} args
         * @chainable
         */
    emitOnRoot: function emitOnRoot(event) {

      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);
        }
      }
    }
};

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} 
  * @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 something 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 (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++) {
        var mutation = mutations[i];
        var type = mutation.type;
        var target = mutation.target;

        if (type === 'characterData' && target.nodeType === Node.TEXT_NODE) {
          changed = true;
        } else if (type === 'attributes') {
          changed = true;
        } else if (type === 'childList' &&
            (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
          // This includes HTMLElement and Text Nodes being added/removed/re-arranged
          changed = true;
        }
      }
      if (changed) {
        callback();
      }
    });

    // Have the observer observe foo 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);
  }

  // We 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;
}
Open Source Used In Branch Migration Tool 1.9

```javascript
function click(e) {
  e.stopPropagation();
  // https://github.com/bootstrap-vue/bootstrap-vue/issues/1528
  const div = document.createElement('div');
  div.className = this.safeId('modal-backdrop')
  div.id = this.safeId('modal-backdrop');
  div.setAttribute('aria-hidden', true);
  div.setAttribute('role', 'dialog');
  div.setAttribute('aria-labelledby', this.safeId('modal-title'));
  div.setAttribute('aria-describedby', this.safeId('modal-body'));
  div.setAttribute('aria-live', 'assertive');
  div.setAttribute('aria-modal', true);
  div.setAttribute('tabindex', -1);
  div.style.display = 'block';
  div.style.zIndex = this.modalElement.style.zIndex;
  div.style.transform = 'translate3d(0, 0, 0)';
  div.style.opacity = 1;
  this.$el.appendChild(div);
  this.$root.$emit('bv::dropdown::shown');
}
```

This code snippet is used in the open-source Branch Migration Tool 1.9 to handle the modal backdrop for the modal dialog. It creates a backdrop div with specific aria attributes to ensure accessibility and proper styling within the modal dialog.
Open Source Used In Branch Migration Tool 1.9 11050

UI Event Handlers

```javascript
var type = bvEvt.type;
this.$emit(type, bvEvt);
this.$root.$emit('bv::modal::' + type, bvEvt);
```

```javascript
This.$emit('hidden', {
  cancelable: false,
  vueTarget: _this4,
  target: _this4.lazy ? null : _this4.$refs.modal,
  relatedTarget: null
});
```

```javascript
this.$refs.modal.$emit('hidden', {
  cancelable: true,
  vueTarget: this,$target: this.$refs.modal,
  relatedTarget: null
});
```

```javascript
function bodyClasses() {
  return ['modal-body', (_ref3 = {}, _defineProperty(_ref3, 'border-' + this.headerBorderVariant, Boolean(this.headerBorderVariant)), _defineProperty(_ref3, 'bg-' + this.headerBgVariant, Boolean(this.headerBgVariant)), _defineProperty(_ref3, 'text-' + this.headerTextVariant, Boolean(this.headerTextVariant)), _ref3), this.headerClass]};

function footerClasses() {
  return ['modal-footer', (_ref4 = {}, _defineProperty(_ref4, 'border-' + this.footerBorderVariant, Boolean(this.footerBorderVariant)), _defineProperty(_ref4, 'bg-' + this.footerBgVariant, Boolean(this.footerBgVariant)), _defineProperty(_ref4, 'text-' + this.footerTextVariant, Boolean(this.footerTextVariant)), _ref4), this.footerClass]};

function bodyClasses() {
  return ['modal-body', (_ref3 = {}, _defineProperty(_ref3, 'border-' + this.headerBorderVariant, Boolean(this.headerBorderVariant)), _defineProperty(_ref3, 'bg-' + this.headerBgVariant, Boolean(this.headerBgVariant)), _defineProperty(_ref3, 'text-' + this.headerTextVariant, Boolean(this.headerTextVariant)), _ref3), this.headerClass]};

function footerClasses() {
  return ['modal-footer', (_ref4 = {}, _defineProperty(_ref4, 'border-' + this.footerBorderVariant, Boolean(this.footerBorderVariant)), _defineProperty(_ref4, 'bg-' + this.footerBgVariant, Boolean(this.footerBgVariant)), _defineProperty(_ref4, 'text-' + this.footerTextVariant, Boolean(this.footerTextVariant)), _ref4), this.footerClass]};
```
Open Source Used In Branch Migration Tool 1.9

```javascript
// ... (code snippet)
```

// ... (code snippet)
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) {
    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');
  }
}

create: function create() {
  // Create non-reactive property
  this._observer = null;
}

mount: function mounted() {
  // Measure scrollbar
  this.getScrollbarWidth();
  // Listen for events from other components
  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 visible modal
  if (this.visible === true) {
    this.close();
  }
  // Ensure everything is back to normal
  this.resetAdjustments();
  this.resetScrollbar();
}

var render = function () {var _vm=this;var _h=_vm.$createElement;var _c=_vm._self._c||_h;return _c('div',{staticClass:"embed-form"},[_c('div',{staticClass:"container-fluid"},
  (!_vm.noTitle)?_c('h4',{staticClass:"embed-form__heading"},
    (!_vm.noTitle)?_c('span',{staticClass:"embed-form__heading__title"},
      _vm._v(_vm.$t('embed-form.heading'))):null):_vm._e(),
  _c('div',{staticClass:"row"},
    (!_vm.noTitle)?_c('div',{staticClass:"col"},
      _c('p',
        (!_vm.noTitle)?_c('span',{staticClass:"embed-form__heading__introduction"},
          _vm._v(_vm.$t('embed-form.introduction'))):null,
        _c('textarea',{staticClass:"form-control embed-form__code mb-2",attrs:{"readonly":""},domProps:{"value":_vm.embedCode()},on:{"click":_vm.selectCode}}),
        _c('label',{staticClass:"custom-control custom-checkbox btn btn-sm float-left"},
          _c('input',{directives:[{name:"model",rawName:"v-model"}],attrs:{"type":"checkbox"},domProps:{"checked":Array.isArray(_vm.responsiveCheck)?_vm._i(_vm.responsiveCheck,null)>-1:(_vm.responsiveCheck)},on:{"change":function($event){var $$a=_vm.responsiveCheck,$$el=$event.target,$$c=$$el.checked?(true):(false);if(Array.isArray($$a)){var $$v=null,$$i=_vm._i($$a,$$v);if($$el.checked){$$i<0&&(_vm.responsiveCheck=$$a.concat([$$v]));}else{$$i>-1&&(_vm.responsiveCheck=$$a.slice(0,$$i).concat($$a.slice($$i+1))));}}else{_vm.responsiveCheck=$$c}}}),
          _c('span',{staticClass:"embed-form__heading__caption"},
            (!_vm.noTitle)?_c('span',{staticClass:"embed-form__heading__caption__text"},
              _vm._v(_vm.$t('embed-form.responsive-optin'))):null)
        )},
        _c('button',{staticClass:"btn btn-link btn-sm text-uppercase font-weight-bold",on:{"click":_vm.copyEmbedCode}},
          (!_vm.noPreview)?_c('div',{staticClass:"col-7 d-none d-lg-block embed-form__preview"},
            _c('span',{domProps:{"innerHTML":_vm.embedCode(false)}})
          ):_vm._e()
        ),
        (!_vm.noPreview)?_c('div',{staticClass:"col-7 d-none d-lg-block embed-form__preview"},
          (!_vm.noPreview)?_c('div',{staticClass:"col-7 d-none d-lg-block embed-form__preview"},null
        )
      )
    ),
  _c('div',{staticClass:"embed-form__code"},null)
]),
  (!_vm.noPreview)?_c('div',{staticClass:"embed-form__code mb-2",attrs:{"readonly":""},domProps:{"value":_vm.embedCode()},on:{"click":_vm.selectCode}}),
  _c('label',{staticClass:"custom-control custom-checkbox btn btn-sm float-left"},null
)},null,true);

var staticRenderFns = [];

export { render, staticRenderFns };
```javascript
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()
  })
}
```

```html
<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 '@fortawesome/fontawesome-svg-icons'

  /**
   * Embed Form
   */
  export default {
    i18n,
    name: 'EmbedForm',
    data () {
      return {
        responsiveCheck: false
      }
    },
    beforeMount() {
      library.add(faClipboard)
    },
    components: {
      Fa: require('./Fa').default
    },
    props: {
      noTitle: {
        type: Boolean
      },
      noPreview: {
        type: Boolean
      },
      width: {
        type: [Number, String],
        default: '100%'
      },
      height: {
        type: Number,
        default: () => (window.innerHeight)
      },
      minWidth: {
        type: Number,
        default: 0
      },
      minHeight: {
        type: Number,
        default: 0
      },
      url: {
        type: String,
        default: null
      }
    },
    methods: {
      iframeCodeFor (url, width, height) {
        return `<iframe width="${width}" height="${height}" src="${IframeResizer.deletePymParams(url)}" frameborder="0" allowfullscreen></iframe>`
      },
      pymCodeFor (url) {
        return IframeResizer.template(url)
      },
      copyEmbedCode () {
        return copyText(this.embedCode(), this.$el).then(() => {
          this.selectCode()
        })
      },
      selectCode () {
        this.$el.querySelector('.embed-form__code').select()
      },
      embedCode (withPym = this.responsiveCheck) {
        const width = isNaN(this.width) ? this.width : Math.max(this.width, this.minWidth)
        const height = Math.max(this.height, this.minHeight)
        return `iframe code withPy幔 return withPym ? this.pymCodeFor(this.currentUrl) :
        this.iframeCodeFor(this.currentUrl, width, height) || null;
        computed: () => return this.url || window.location.href || null
        return this.$el["script"].innerHTML;" 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
import { render, staticRenderFns } from './EmbedForm.vue?vue&type=script&lang=js&"; export default mod;
export * from './EmbedForm.vue?vue&type=template&id=502aea85&scoped=true&"\n
/* normalize component */
import normalizer from './EmbedForm.vue?vue&type=template&id=502aea85&scoped=true&"

/**
   * SharingOptions
   */
  export default {
    i18n,
    name: 'SharingOptions',
    components: {
      bModal,
      EmbedForm,
      SocialSharing,
      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: {
        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', 'media', 'twitter-user'],
        type: Array
      },
      noEmbed: {
        type: Boolean,
        default: () => false
      },
      noTitle: {
        type: Boolean,
        default: () => false
      },
      noPreview: {
        type: Boolean,
        default: () => false
      },
      iframeMinWidth: {
        type: String,
        default: () => config.get('iframeMinWidth', 'min-width:480px')
      },
      iframeMinHeight: {
        type: String,
        default: () => config.get('iframeMinHeight', 'min-height:200px')
      },
      showEmbedForm: {
        type: Function,
        default: () => false
      },
      title: {
        type: String,
        default: () => config.get('sharing-options.title', '')
      },
      preview: {
        type: Function,
        default: () => true
      }
    },
    methods: {
      showEmbedForm () {
        this.$refs.embedForm.show()
      },
      getEmbedFormTitle () {
        return this.title
      }
    }
  }

</div>

</template>

<script>
  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'

  /**
   * Prevent a bug with vue-docgen-api
   * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
   */
  const Fa = require('./Fa').default

  // Inject Fa components in child component
  SocialSharing.components.Fa = require('./Fa').default

  const SharingOptions = {
    name: 'SharingOptions',
    components: {
      bModal, EmbedForm, SocialSharing
    },
    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: () => (({})
      },
      showEmbedForm: {
        type: Function,
        default: () => false
      },
      title: {
        type: String,
        default: () => config.get('sharing-options.title', '')
      },
      preview: {
        type: Function,
        default: () => true
      }
    },
    methods: {
      showEmbedForm () {
        this.$refs.embedForm.show()
      },
      getEmbedFormTitle () {
        return this.title
      }
    }
  }

  /**
   * Disable sharing options for SEO
   */
  const noSharingOptions = {
    name: 'NoSharingOptions',
    components: {
      bModal, EmbedForm
    },
    props: {
      url: {
        type: String,
        default: () => config.get('sharing-options.url', null) || IframeResizer.deletePymParams()
      },
      noEmbed: {
        type: Boolean,
        default: () => true
      },
      showEmbedForm: {
        type: Function,
        default: () => false
      },
      title: {
        type: String,
        default: () => config.get('sharing-options.title', '')
      },
      preview: {
        type: Function,
        default: () => true
      }
    },
    methods: {
      showEmbedForm () {
        this.$refs.embedForm.show()
      },
      getEmbedFormTitle () {
        return this.title
      }
    }
  }

  /**
   * Embed Form
   */
  const EmbedForm = {
    name: 'EmbedForm',
    components: {
      bModal
    },
    props: {
      minHeight: {
        type: Number,
        default: () => 0
      },
      minWidth: {
        type: Number,
        default: () => 480
      }
    },
    methods: {
      render (createElement) {
        return createElement('div', {
          style: {minHeight: this.minHeight, minWidth: this.minWidth}
        }, [this.template.render({createElement, props: {}})])
      }
    }
  }

  /**
   * Bootstrap Vue Vue-Style Guide Component
   */
  const VueStyleGuideComponent = {
    name: 'VueStyleGuideComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: EmbedForm
  }

  /**
   * Social Sharing Component
   */
  const SocialSharingComponent = {
    name: 'SocialSharingComponent',
    components: {
      EmbedForm
    },
    extends: Embed FORM
The text on the page appears to be a snippet of JavaScript code from a Vue.js component. The code defines a component named `SharingOptions` with several methods and computed properties. The component includes a form for sharing options, with fields for URL, title, description, and social media information. The code also imports various modules and uses Vue.js directives and components.

The HTML template includes a button for showing the sharing options form, with a method `showEmbedForm` that toggles the `showShareOptions` property.

The Vue.js code is part of a larger project, as indicated by the import statements and the `@import` directive for loading styles and scripts.

The text does not seem to be directly related to the content of the question, which is about open-source tools for branch migration.
import i18n from '@/i18n'
import IframeResizer from '@/utils/iframe-resizer'
import SharingOptions from './SharingOptions'
import config from '@/config'

import { library } from './Fa'

/**
 * EmbeddableFooter
 */
export default {
  i18n,
  name: 'EmbeddableFooter',
  beforeMount() {
    library.add(faShareAlt)
  },
  components: {
    Fa: require('./Fa').default,
    /**
     * Target of the ICIJ logo and title links.
     */
    homeUrl: { type: String, default: () => config.get('app.home') }
  },
  props: {
    /**
     * Title to display next to ICIJ logo.
     */
    title: { type: String, default: () => config.get('project.name') },
    /**
     * Lead sentence to display next to the title.
     */
    lead: { type: String, default: '' },
    /**
     * Minimum height for the iframe generated in the embed form.
     */
    iframeMinHeight: { type: Number },
    /**
     * Minimum width for the iframe generated in the embed form.
     */
    iframeMinWidth: { type: Number },
    /**
     * Sharing option values to bind to the sharing-options component on the bottom-right corner.
     */
    sharingOptionsValues: { type: Object, default: () => ({}) },
    /**
     * showShareOptions: false
     */
    showShareOptions: { type: Boolean, default: false },
    /**
     * preventScrollParent
     */
    preventScrollParent: { type: Boolean, default: false },
    /**
     * Home link to use.
     */
    homeLink: { type: String, default: () => config.get('app.home') },
    /**
     * Target of the ICIJ logo and title links.
     */
    homeUrl: { type: String, default: () => config.get('app.home') },
    /**
     * Title to display next to ICIJ logo.
     */
    title: { type: String, default: () => config.get('project.name') },
    /**
     * Lead sentence to display next to the title.
     */
    lead: { type: String, default: '' },
    /**
     * Minimum height for the iframe generated in the embed form.
     */
    iframeMinHeight: { type: Number },
    /**
     * Minimum width for the iframe generated in the embed form.
     */
    iframeMinWidth: { type: Number },
    /**
     * Sharing option values to bind to the sharing-options component on the bottom-right corner.
     */
    sharingOptionsValues: { type: Object, default: () => ({}) },
  },
  data () {
    return {
      showShareOptions: false
    }
  },
  mounted () {
    window.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;
    }
  }

  .embeddable-footer {
    display: flex;
    flex-direction: row;
    align-items: center;

    z-index: $zindex-sticky;
    position: fixed;
    bottom: 0;
    left: 0;
    width: 100%;
    background: black;
    color: white;
    // Magic technique to have a minimum font-size (10px-ish)
    font-size: calc(10px + 1.5vh);
  }

  &__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;
  }

  &__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%;

    &.active {
      border-color: white;
    }

    &:hover {
      background: rgba(white, 0.1);
    }
  }

  & /deep/ .sharing-options {
    position: absolute;
    bottom: 100%;
    right: 0;
    margin: $spacer * 0.25;
    animation:slideup 200ms forwards;
  }

  & __link {
    opacity: 0;
    animation:slideup 200ms forwards;
  }

  @include animation-delay-loop(0, 10, 50ms);
</style>
{ type: String, default: () => config.get('signup-form.action') }

/* Disables the main label */
noLabel: { type: Boolean, default: true }

/* Horizontal layout of the form */
horizontal: { type: Boolean, default: true }

/* Mailchimp tracker tag to identify the origin */
tracker: { type: String, default: () => config.get('signup-form.tracker') }

/**
 * 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)
    .done (res) {
      if (res.result === 'success') {
        this.email = res.email;
        this.successMessage = res.msg;
      } else {
        // Mailchimp formats errors in list
        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>
'./SignUpForm.vue'
  import { library } from './Fa'

  /**
   * FollowUsPopover
   */
  export default {
    i18n,
    name: 'FollowUsPopover',
    components: {
      /** Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       */
      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.$emit('update:show', false)
      }
    }
  }
</script>

<style lang="scss" scoped>
  @import '../styles/lib';

  .follow-us {
    position: relative;
    width: 300px;

    &__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>
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```javascript
function style() {
  return {
    year() {
      return (new Date()).getFullYear()
    }
  }
}
</script>

```scss
variants: {
  shelf {
import { render, staticRenderFns } from "./GenericFooter.vue?vue&type=template&id=203025b4&scoped=true&"
import script from "./GenericFooter.vue?vue&type=script&lang=js&"
export * from "./GenericFooter.vue?vue&type=script&lang=js&"
import style0 from "./GenericFooter.vue?vue&type=style&index=0&id=203025b4&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,
  "203025b4",
  null
)

component.options.__file = "GenericFooter.vue"
export default component.exports
```

```html

```
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else if (key === KeyCodes.DOWN) {\n
// Down Arrow\n
this.focusNext(evt, false);\n
} else if (key ===
KeyCodes.UP) {\n
// Up Arrow\n
this.focusNext(evt, true);\n
}\n },\n\n /* istanbul ignore next: not
easy to test */\n onEsc: function onEsc(evt) {\n
if (this.visible) {\n
this.visible = false;\n
evt.preventDefault();\n
evt.stopPropagation();\n
// Return focus to original trigger button\n
this.$nextTick(this.focusToggler);\n
}\n },\n\n /* istanbul ignore next: not easy to test */\n onTab: function
onTab(evt) {\n
if (this.visible) {\n
// TODO: Need special handler for dealing with form inputs\n
// Tab,
if in a text-like input, we should just focus next item in the dropdown\n
// Note: Inputs are in a special
.dropdown-form container\n
this.visible = false;\n
}\n },\n onFocusOut: function onFocusOut(evt) {\n
if (this.$refs.menu.contains(evt.relatedTarget)) {\n
return;\n
}\n
this.visible = false;\n },\n\n /*
istanbul ignore next: not easy to test */\n onMouseOver: function onMouseOver(evt) {\n
// Focus the item on
hover\n
// TODO: Special handling for inputs? Inputs are in a special .dropdown-form container\n
var item =
evt.target;\n
if (item.classList.contains('dropdown-item') && !item.disabled &&
!item.classList.contains('disabled') && item.focus) {\n
item.focus();\n
}\n },\n focusNext: function
focusNext(evt, up) {\n
var _this2 = this;\n\n
if (!this.visible) {\n
return;\n
}\n
evt.preventDefault();\n
evt.stopPropagation();\n
this.$nextTick(function () {\n
var items =
_this2.getItems();\n
if (items.length < 1) {\n
return;\n
}\n
var index = items.indexOf(evt.target);\n
if (up && index > 0) {\n
index--;\n
} else if (!up && index < items.length - 1) {\n
index++;\n
}\n
if (index < 0) {\n
index = 0;\n
}\n
_this2.focusItem(index, items);\n
});\n },\n
focusItem: function focusItem(idx, items) {\n
var el = items.find(function (el, i) {\n
return i === idx;\n
});\n
if (el && getAttr(el, 'tabindex') !== '-1') {\n
el.focus();\n
}\n },\n getItems: function getItems()
{\n
// Get all items\n
return filterVisible(selectAll(ITEM_SELECTOR, this.$refs.menu));\n },\n
getFirstItem: function getFirstItem() {\n
// Get the first non-disabled item\n
var item = this.getItems()[0];\n
return item || null;\n },\n focusFirstItem: function focusFirstItem() {\n
var item = this.getFirstItem();\n
if
(item) {\n
this.focusItem(0, [item]);\n
}\n },\n focusToggler: function focusToggler() {\n
var toggler =
this.toggler;\n
if (toggler && toggler.focus) {\n
toggler.focus();\n
}\n }\n }\n};","import idMixin from
'../../mixins/id';\nimport dropdownMixin from '../../mixins/dropdown';\n\nexport default {\n mixins: [idMixin,
dropdownMixin],\n render: function render(h) {\n var button = h('a', {\n
class: this.toggleClasses,\n
ref:
'toggle',\n
attrs: {\n
href: '#',\n
id: this.safeId('_BV_button_'),\n
disabled: this.disabled,\n
'ariahaspopup': 'true',\n
'aria-expanded': this.visible ? 'true' : 'false'\n
},\n
on: {\n
click: this.toggle,\n
keydown: this.toggle // space, enter, down\n
}\n }, [this.$slots['button-content'] || this.$slots.text || h('span', {
domProps: { innerHTML: this.text } })]);\n var menu = h('div', {\n
class: this.menuClasses,\n
ref: 'menu',\n
attrs: { 'aria-labelledby': this.safeId('_BV_button_') },\n
on: {\n
mouseover: this.onMouseOver,\n
keydown: this.onKeydown // tab, up, down, esc\n
}\n }, [this.$slots.default]);\n return h('li', { attrs: { id:
this.safeId() }, class: this.dropdownClasses }, [button, menu]);\n },\n\n computed: {\n isNav: function isNav() {\n
// Signal to dropdown mixin that we are in a navbar\n
return true;\n },\n dropdownClasses: function
dropdownClasses() {\n
return ['nav-item', 'b-nav-dropdown', 'dropdown', this.dropup ? 'dropup' : '', this.visible ?
'show' : ''];\n },\n toggleClasses: function toggleClasses() {\n
return ['nav-link', this.noCaret ? '' : 'dropdowntoggle', this.disabled ? 'disabled' : '', this.extraToggleClasses ? this.extraToggleClasses : ''];\n },\n menuClasses:
function menuClasses() {\n
return ['dropdown-menu', this.right ? 'dropdown-menu-right' : 'dropdown-menu-left',
this.visible ? 'show' : '', this.extraMenuClasses ? this.extraMenuClasses : ''];\n }\n },\n props: {\n noCaret: {\n
type: Boolean,\n
default: false\n },\n extraToggleClasses: {\n
// Extra Toggle classes\n
type: String,\n
default: ''\n },\n extraMenuClasses: {\n
// Extra Menu classes\n
type: String,\n
default: ''\n },\n role:
{\n
type: String,\n
default: 'menu'\n }\n }\n};","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\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); } }

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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"); } }

import Popper from 'popper.js';
import BvEvent from './bv-event.class';
import { assign } from './object';
import { from as arrayFrom } from './array';
import { closest, select, isVisible, isDisabled, getCS, addClass, removeClass, hasClass, setAttr, removeAttr, getAttr, eventOn, eventOff } from './dom';

var NAME = 'tooltip';
var CLASS_PREFIX = 'bs-tooltip';
var BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');

var TRANSITION_DURATION = 150;

// Modal $root hidden event
var MODAL_CLOSE_EVENT = 'bv::modal::hidden';
var ModalSoot = ModalSoot || {};

var AttachmentMap = {
  AUTO: 'auto',
  TOP: 'top',
  RIGHT: 'right',
  BOTTOM: 'bottom',
  LEFT: 'left',
  TOPLEFT: 'topLeft',
  TOPRIGHT: 'topRight',
  BOTTOMLEFT: 'bottomLeft',
  BOTTOMRIGHT: 'bottomRight',
  LEFTTOP: 'leftTop',
  LEFTBOTTOM: 'leftBottom',
  RIGHTTOP: 'rightTop',
  RIGHTBOTTOM: 'rightBottom',
  TOPLEFT: 'topLeft',
  TOPRIGHT: 'topRight',
  BOTTOMLEFT: 'bottomLeft',
  BOTTOMRIGHT: 'bottomRight',
  LEFTTOP: 'leftTop',
  LEFTBOTTOM: 'leftBottom',
  RIGHTTOP: 'rightTop',
  RIGHTBOTTOM: 'rightBottom',
  BOTTOMLEFT: 'bottomLeft',
  BOTTOMRIGHT: 'bottomRight',
  LEFTTOP: 'leftTop',
  LEFTBOTTOM: 'leftBottom'
};

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 ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TOOLTIP: '.tooltip',
  TOOLTIP_INNER: '.tooltip-inner',
  ARROW: '.arrow'
};

var ToolTip = function () {
  // Main constructor
  function ToolTip(element, config, $root) {
    _classCallCheck(this, ToolTip);

    // New tooltip object
    this.$isEnabled = true;
    this.$fadeTimeout = null;
    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;

    // Set the configuration
    this.updateConfig(config);

    // NOTE: Overridden by PopOver class

    // To set the configuration
    this._createClassCallCheck(this, ToolTip);
  }

  // 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 = config.delay;
        config.delay = null;
      }
      // Title for tooltip and popover
      if (config.title && typeof config.title === 'string') {
        updatedConfig.title = config.title.toString();
      }
      // Content only for popover
      if (config.content &

      // Hide element original title if needed
      this.fixTitle();
      // Update the configuration
      this.updateConfig(config);
      // 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.ShoverTimeout);
      }}]);
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```javascript

function removePopper() {
  if (this.$popper) {
    this.$popper.destroy();
  }
  this.$popper = null;
}

function addAriaDescribedby() {
  // Add aria-describedby on trigger element, without removing any other IDs
  var desc = getAttr(this.$element, 'aria-describedby') || '';
  desc = desc.split(/\s+/).concat(this.$id).join(' ').trim();
  setAttr(this.$element, 'aria-describedby', desc);
}

function removeAriaDescribedby() {
  var _this4 = this;

  var desc = getAttr(this.$element, 'aria-describedby') || '';
  desc = desc.split(/\s+/).filter(function (d) {
    return d !== _this4.$id;
  }).join(' ');;
  setAttr(this.$element, 'aria-describedby', desc);
}

function transitionOnce(tip, complete) {
  var _this5 = this;

  var transEvents = this.getTransitionEndEvents();
  var called = false;

  transEvents.forEach(function (evtName) {
    eventOn(tip, evtName, _this5.emitEvent);
  });

  // Call complete callback
  complete();
}

function emitEvent(evt) {
  var evtName = evt.type;

  if (this.$root &&
    this.$root.$emit) {
    // Emit an event on $root
    this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName);
  }
}

function getContainer() {
  var container = this.$config.container;
  var body = document.body;
  // If we are in a modal, we append to the modal instead of body, unless a container is specified
  if (container === false ?
    closest(MODAL_CLASS, this.$element) || body : select(container, body) || body;
  ) {
    return container
  } else {
    return this.$root.$emit('bv::' + this.constructor.NAME + '::' + evtName);
  }
}

function getTransitionEndEvents() {
  for (var name in TransitionEndEvents) {
    if (this.$element.style[name] !== undefined) {
      return TransitionEndEvents[name];
    }
  }
  // fallback
  return [];
}

// What transitionend event(s) to use? (returns array of event names)
// function getTransitionEndEvents()

/* istanbul ignore next */
var removeAttr = function removeAttr(element, prop) {
  element.removeAttribute(prop);
}

function getAttr(element, prop) {
  return element.getAttribute(prop);
}
```

```

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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'

  /* istanbul ignore next: dificult to test in Jest/ISDOM environment */
};
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) {
      // 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: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        var var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
        var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
        var returnHasTitle = hasTitle;
        var returnHasContent = hasContent;

        if (returnHasTitle) {
          var key = 'addAttachmentClass';
          var value = function addAttachmentClass(attachment) {
            addClass(this.getTipElement(), CLASS_PREFIX + ' ' + attachment);
          }
        }
        if (returnHasContent) {
          var key = 'setContent';
          var 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());
          }
        }
      }
    }
  },
  { 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();
      }
      return title;
    }
  },
  { key: 'getContent',
    value: function getContent() {
      var content = this.$config.content || '';
      if (typeof content === 'function') {
        content = content(this.$element);
      }
      if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object' && content.nodeType &&
        !content.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        content = '';
      }
      if (typeof content === 'string') {
        content = content.trim();
      }
      return content;
    }
  },
  { key: 'Default',
    get: function get() {
      return Defaults;
    }
  },
  { key: 'NAME',
    get: function get() {
      return NAME;
    }
  }
]);

return PopOver;

var ToolTip = function ToolTip() {
  return PopOver.apply(this, arguments);
};

export default ToolTip;

// Polyfills for SSR
var isSSR = typeof window === 'undefined';

export var HTMLElement = isSSR ? Object : window.HTMLElement;
1.1131 jakarta-inject 2.6.1

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 * /opt/ws_local/PERMITS_SQL/1080693164_1597675478.73/0/jose4j/jwk/SelectorSupport.java
1.1135 idna 2.10

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Found in path(s):
* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-b8defb9/LICENSE.rst

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A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

```python
import io, sys
from setuptools import setup

def main():
    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Programming Language :: Python :: 3.7',
            'Programming Language :: Python :: 3.8',
            'Programming Language :: Python :: Implementation :: CPython',
            'Programming Language :: Python :: Implementation :: PyPy',
            'Topic :: Internet :: Name Service (DNS)'
        ]
    }
```
1.1136 libselfodium 1.0.18-r0

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1.1137 wildfly-elytron-http 1.15.3.Final

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    jar/org/wildfly/security/http/impl/BaseHttpServerRequest.java
  * /opt/cola/permits/1174807292_1624022845.09/0/wildfly-elytron-http-1-15-3-final-sources-
    jar/org/wildfly/security/http/impl/package-info.java
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    jar/org/wildfly/security/http/ElytronMessages.java
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1.1138 java-getopt 1.0.13
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Bundle-Name: Netty/Buffer
Bundle-Version: 4.1.62.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://netty.io/netty-buffer/

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1.1144 vmc-client-bindings 1.54.0

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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/signature/impl/CryptoBinaryUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/MGFMarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/GenericMessageSenderImpl.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/KeyReferenceBuilder.java
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/ECKeyValImpl.java

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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/CipherReferenceBuilder.java
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1.1150 openjdk-jre 11.0.12+7-2~deb10u1

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## CUP Parser Generator for Java v 0.10k

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="product"/>
    <xsl:param name="version"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />
    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <h2><xsl:value-of select="$product"/> <xsl:value-of select="$version"/></h2>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
                <!-- Read matching templates -->
                <table>
                    <tr>
                        <th>Package</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)"/>
                        <tr>
                            <td><xsl:value-of select="concat(groupId, packageName)"/></td>
                            <td><xsl:value-of select="artifactId"/></td>
                            <td><xsl:value-of select="version"/></td>
                            <td>
                                <!-- Remote Licenses -->
                            </td>
                            <td>
                                <!-- Local Licenses -->
                            </td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
<table>
<thead>
<tr>
<th>License</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache 2.0</td>
<td>1.9</td>
</tr>
</tbody>
</table>

The table above lists the open source licenses used in the Branch Migration Tool 1.9.
<xsl:value-of select="string-length($txt)"/>
</xsl:when>
<xsl:when test="$lastIndex>0">
  <xsl:value-of select="($lastIndex - string-length($delimiter))"/>
</xsl:when>
<xsl:otherwise>
  <xsl:value-of select="0"/>
</xsl:otherwise>
</xsl:choose>
</xsl:template>
<xsl:template name="remap-local-filename">
  <xsl:param name="filename"/>
  <xsl:choose>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '2-clause')">
      <xsl:text>bsd-2-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '3-clause')">
      <xsl:text>bsd-3-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '1.1')">
      <xsl:text>apache-1.1.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '2.0')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'jsr-000107')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'cddl') and contains($filename, 'gplv2')">
      <xsl:text>cddl-gplv2-classpath.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'common public license')">
      <xsl:text>common public license 1.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'gnu library general public license, version 2 - lgpl-2.0.txt'">
      <xsl:text>gnu library general public license, version 2.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'lgpl.txt'">
      <xsl:text>gnu library general public license, version 2.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'the dom4j license - license'">
      <xsl:text>the dom4j license.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'creative commons attribution 2.5 - legalcode'">
      <xsl:text>creative commons attribution 2.5.html</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'creative commons attribution 2.5 - legalcode'">
      <xsl:text>creative commons attribution 2.5.html</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'the dom4j license - license'">
      <xsl:text>the dom4j license.txt</xsl:text>
    </xsl:when>
  </xsl:choose>
</xsl:template>
<xsl:when test="contains($filename, 'cddl+gpl_1.1')">
  <xsl:text>cddl-1.1-gpl-1-1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'cddl+gpl-1.1')">
  <xsl:text>cddl-1.1-gpl-1-1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'cddl.txt')">
  <xsl:text>common development and distribution license 1.1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'common development') and contains($filename, '1.1')">
  <xsl:text>common development and distribution license 1.1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'lgpl-2.1')">
  <xsl:text>gnu lesser general public license v2.1 only.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gnu general public license') and contains($filename, '2.0') and
not(contains($filename, 'exception'))">
  <xsl:text>gnu general public license, version 2.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gnu general public license') and contains($filename, '2.0') and
contains($filename, 'exception')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gpl-2.0-ce')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gplv2+ce')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'epl-v10')">
  <xsl:text>eclipse public license 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'eclipse public license 1.0')">
  <xsl:text>eclipse public license 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'epl-2.0')">
  <xsl:text>eclipse public license 2.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'edl-1.0.txt')">
  <xsl:text>eclipse distribution license, version 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'mit license')">
  <xsl:text>mit license.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'mpl 1.1')">
  <xsl:text>mpl 1.1.txt</xsl:text>
</xsl:when>
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AES in libhcrypto

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rijndael-alg-fst.c

@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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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  jar/io/netty/handler/logging/package-info.java
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* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-
  jar/io/netty/handler/ssl/NotSslRecordException.java
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  jar/io/netty/handler/timeout/TimeoutException.java
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jar/io/netty/handler/ssl/util/package-info.java
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jar/io/netty/handler/timeout/ReadTimeoutHandler.java
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jar/io/netty/handler/logging/LoggingHandler.java
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jar/io/netty/handler/stream/ChunkedNioStream.java
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jar/io/netty/handler/pcap/PcapHeaders.java
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* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-jar/io/netty/handler/ssl/SimpleKeyManagerFactory.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-jar/io/netty/handler/ssl/PseudoRandomFunction.java
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  jar/io/netty/handler/ssl/DelegatingSslContext.java
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  jar/io/netty/handler/ssl/PemEncoded.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-
  jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
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  jar/io/netty/handler/ssl/OpenSslCertificateException.java
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  jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1171712321_1623127834.9/0/netty-handler-4-1-62-final-sources-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
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* /opt/cola/permits/1171712321_1623127834.90/netty-handler-4-1-62-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/treewalk/AbstractTreeIterator.java

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/api/PushCommand.java
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  jar/org/eclipse/jgit/util/Paths.java
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  jar/org/eclipse/jgit/internal/ketch/ElectionRound.java
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jar/org/eclipse/jgit/internal/storage/reftree/AlwaysFailUpdate.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/InsecureCipherFactory.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
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jar/org/eclipse/jgit/errors/UnsupportedPackIndexVersionException.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
jar/org/eclipse/jgit/errors/UnsupportedPackVersionException.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/annotations/Nullable.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/UserAgent.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/InternalHttpServerGlue.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/PushCertificateStore.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/ObjectCountCallback.java
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jar/org/eclipse/jgit/internal/storage/reftable/ReftableOutputStream.java
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jar/org/eclipse/jgit/util/sha1/Sha1CollisionException.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/UploadPack.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/filter/PathFilterGroup.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/filter/AndRevFilter.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/errors/NotSupportedException.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/lib/ProgressMonitor.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/treewalk/filter/PathFilterGroup.java
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  * /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-Jar/org/eclipse/jgit/internal/storage/file/ByteArrayWindow.java
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  * /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-Jar/org/eclipse/jgit/revwalk/filter/MaxCountRevFilter.java
jar/org/eclipse/jgit/revwalk/filter/SkipRevFilter.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/api/UpdateTagCommand.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/api/DiffCommand.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/logging/PerformanceLogRecord.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/AddToBitmapWithCacheFilter.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/util/io/TimeoutInputStream.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/util/io/UnionInputStream.java

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/ReachabilityChecker.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/FilterSpec.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/internal/storage/pack/CachedPackUriProvider.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/PedestrianReachabilityChecker.java

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/ internal/storage/file/CheckoutEntryImpl.java
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  * /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/internal/transport/connectivity/IterativeConnectivityChecker.java
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  * /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/transport/ConnectivityChecker.java
  * /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/transport/ReceiveCommandErrorHandler.java

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/internal/storage/file/FileSnapshot.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/ListenerList.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/LocalSnapshot.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/lib/ObjectStream.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/diff/HashedSequencePair.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/lib/ObjectStream.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/diff/Subsequence.java

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/util/LRUMap.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/lib/GpgSignature.java
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/**
* A special exception thrown when [ @link AutoLFInputStream ] is told to
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* may be thrown at any stage during reading.
* @since 3.3
*/

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/blame/BlameGenerator.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/lib/ObjectIdSubclassMap.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/storage/file/WindowCacheStats.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/util/Stats.java

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/nls/TranslationBundle.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
jar/org/eclipse/jgit/revwalk/ObjectReachabilityChecker.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-
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*/
/**
 * {@inheritdoc}
 * <p>
 * Free resources associated with this instance.
 * <p>
 * If the repository was opened by a static factory method in this class,
 * then this method calls {@link Repository#close()} on the underlying
 * repository instance. (Whether this actually releases underlying
 * resources, such as file handles, may vary; see {@link Repository} for
 * more details.)
 * <p>
 * If the repository was created by a caller and passed into
 * {@link #Git(Repository)} or a static factory method in this class, then
 * this method does not call close on the underlying repository.
 * <p>
 * In all cases, after calling this method you should not use this
 * {@link Git} instance anymore.
 * 
 * @since 3.2
 */
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/errors/PackMismatchException.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/errors/PackMismatchException.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/RevTag.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/RevCommit.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/dircache/DirCacheIterator.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/revwalk/TemporaryBuffer.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/treewalk/TreeWalk.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/PostUploadHook.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/PostUploadHookChain.java
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/**
* Fetch objects we don't have but that are reachable from advertised refs.
* <p>
* Only one call per connection is allowed. Subsequent calls will result in
Implementations are free to use network connections as necessary to efficiently (for both client and server) transfer objects from the remote repository into this repository. When possible implementations should avoid replacing/overwriting/duplicating an object already available in the local destination repository. Locally available objects and packs should always be preferred over remotely available objects and packs.

@link org.eclipse.jgit.transport.Transport#isFetchThin() should be honored if applicable.

@throws org.eclipse.jgit.errors.TransportException objects could not be copied due to a network failure, protocol error, or error on remote side, or connection was already used for fetch.

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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/TransportBundleStream.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/internal/storage/dfs/DfsReftableBatchRefUpdate.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/transport/BasePackConnection.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/internal/storage/file/BasePackBitmapIndex.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/internal/storage/pack/PackWriterBitmapPreparer.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/lib/BitmapIndex.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/transport/RequestNotYetReadException.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources.jar/org/eclipse/jgit/lib/BitmapObject.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/merge/MergeFormatter.java
* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/merge/MergeResult.java
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* /opt/cola/permits/1123113885_1610633055.06/0/org-eclipse-jgit-5-10-0-202012080955-r-sources-jar/org/eclipse/jgit/storage/pack/PackConfig.java
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* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
* Added generation of field number constants.

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* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
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* Added atomicops for Solaris.

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* Fixed minor IBM xIC compiler build issues
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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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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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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 (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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c-a-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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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 (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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
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* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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static final String CONFIDENTIALITY_SUPPORTED = "SUPPORTED"; * Confidentiality required public static
final String CONFIDENTIALITY_REQUIRED = "REQUIRED"; * The confidentiality private String
confidence = CONFIDENTIALITY_NONE; * Get the confidentiality. * @return the confidentiality. public
String getConfidentiality() { return confidentiality; * Set the confidentiality. * @param confidentiality the
confidence. * @throws IllegalArgumentException for a null confidentiality public void setConfidentiality(String
confidence) { if (confidence == null) throw new IllegalArgumentException("Null confidentiality"); if
(CONFIDENTIALITY_NONE.equalsIgnoreCase(confidentiality)) this.confidentiality =
CONFIDENTIALITY_NONE; else if (CONFIDENTIALITY_SUPPORTED.equalsIgnoreCase(confidentiality))
this.confidentiality = CONFIDENTIALITY_SUPPORTED; else if
(CONFIDENTIALITY_REQUIRED.equalsIgnoreCase(confidentiality)) this.confidentiality =
CONFIDENTIALITY_REQUIRED; throw new IllegalArgumentException("Unknown transport confidentiality: "+
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{ transportConfig.setConfidentiality(attValue); EnumSet<Element> requiredElements = EnumSet.of(Element.INTEGRITY, Element.CONFIDENTIALITY, case CONFIDENTIALITY:
{ transportConfig.setConfidentiality(getElementText(reader, propertyReplacer));
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1.1218 python-requests 2.25.1
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1.1221 libgail-common 2.24.32-3

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1.1222 go-sockaddr 1.0.2

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1.1223 wildfly-weld-bean-validation

23.0.2.Final

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*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/util/ incidental_stringizer.h
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/util/duration_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_format_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_stringizer_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_util_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_deltoid_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/util/duration_unittest.proto
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_format_unittest.proto
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_stringizer_unittest.proto
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*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/json_deltoid_unittest.proto
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/api_unittest.proto
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/api_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/any_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/reflection_ops_unittest.cc
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*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/any_generator.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/generator.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/any.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/empty.cc
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*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/objectivecc/objectiveccEnum_unittest.cc
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*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/objectivecc/objectiveccGenerator_unittest.cc
*/opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/java/empty_unittest.proto
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1.36.1/third_party/protobuf/src/google/protobuf/io/gzip_stream.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/io/zero_copy_stream_impl.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/io/strtod.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/util/delimited_message_util.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/util/type_resolver_util_test.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/util/field_comparator.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/java/java_message_field.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/java/java_message_builder_lite.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/csharp/csharp_generator.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/cpp/cpp_string_field.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/cpp/cpp_unittest.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/importer_unittest.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/objectivec/objectivec_message_field.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/csharp/csharp_map_field.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/java/java_doc_comment.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/js/js_generator.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/mock_code_generator.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/java/java_message_builder.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/csharp/csharp_message_field.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/cpp/cpp_unittest.proto
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/objc/objc_unittest.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/objc/objc_message_field.cc
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/objc/objc_message_field.h
* /opt/cola/permits/1171425373_1623052290.92/gRPCio-tools-1.36.1/third_party/protobuf/compiler/objc/objc_unittest.cc
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/io/gzip_stream_unittest.sh
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/stubs/platform_macros.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/stubs/stringprintf.cc
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/stubs/stringprintf.h

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/** Signal that the call is cacheable. GRPC is free to use GET verb */

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*
*/
/** TLS server authorization check arguments, wraps
* grpc_tls_server_authorization_check_arg. It is used for experimental
* purposes for now and it is subject to change.
*
* The server authorization check arg contains all the info necessary to
* schedule/cancel a server authorization check request. The callback function
* must be called after finishing the schedule operation. See the description
* of the grpc_tls_server_authorization_check_arg struct in grpc_security.h for
* more details. **/

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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/security/tls_credentials_options.h
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/xds_server_builder.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/test/simpler.proto
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/test/flawed.proto
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/test/simple.proto
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/test/complicated.proto
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/test/simplest.proto
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/main.cc
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_tools/main.h
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* /opt/cola/permits/1171425373_1623052290.92/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/stubs/casts.h
* /opt/cola/permits/1171425373_1623052290.92/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_generator_unittest.cc
* /opt/cola/permits/1171425373_1623052290.92/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/stubs/map_util.h
* /opt/cola/permits/1171425373_1623052290.92/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_helpers_unittest.cc
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* /opt/cola/permits/1171425373_1623052290.92/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field.h
* /opt/cola/permits/1171425373_1623052290.92/grpcio-tools-1.36.1/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_map_field.cc
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-
  1.36.1/third_party/protobuf/src/google/protobuf/stubs/template_util.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1-1.tar.gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/impl/codegen/async_stream.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1-1.tar.gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/impl/codegen/server_callback_handlers.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1.36.1-1.tar.gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/impl/codegen/sync_stream.h

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Metadata-Version: 1.1
Name: grpcio-tools
Version: 1.36.1
Summary: Protobuf code generator for gRPC
Home-page: https://grpc.io
Author: The gRPC Authors
Author-email: grpc-io@googlegroups.com
License: Apache License 2.0
Description: gRPC Python Tools

Package for gRPC Python tools.

Supported Python Versions
--------------------------
Python >= 3.5

Deprecated Python Versions
--------------------------
Python == 2.7. Python 2.7 support will be removed on January 1, 2020.

Installation
------------

The gRPC Python tools package is available for Linux, Mac OS X, and Windows running Python 2.7.

Installing From PyPI
---------------------

If you are installing locally...

::

$ pip install grpcio-tools

Else system wide (on Ubuntu)...

::

$ sudo pip install grpcio-tools

If you're on Windows make sure that you installed the `pip.exe` component when you installed Python (if not go back and install it!) then invoke:

::

$ pip.exe install grpcio-tools
Windows users may need to invoke `pip.exe` from a command line run as administrator.

n.b. On Windows and on Mac OS X one *must* have a recent release of `pip` to retrieve the proper wheel from PyPI. Be sure to upgrade to the latest version!

You might also need to install Cython to handle installation via the source distribution if gRPC Python's system coverage with wheels does not happen to include your system.

Installing From Source

Building from source requires that you have the Python headers (usually a package named `python-dev`) and Cython installed. It further requires a GCC-like compiler to go smoothly; you can probably get it to work without GCC-like stuff, but you may end up having a bad time.

::

   $ export REPO_ROOT=grpc  # REPO_ROOT can be any directory of your choice
   $ git clone -b RELEASE_TAG_HERE https://github.com/grpc/grpc $REPO_ROOT
   $ cd $REPO_ROOT
   $ git submodule update --init

   $ cd tools/distrib/python/grpcio_tools
   $ python ../make_grpcio_tools.py

   # For the next command do `sudo pip install` if you get permission-denied errors
   $ GRPC_PYTHON_BUILD_WITH_CYTHON=1 pip install .

You cannot currently install Python from source on Windows. Things might work out for you in MSYS2 (follow the Linux instructions), but it isn't officially supported at the moment.

Troubleshooting

Help, I ...

**... see a** `pkg_resources.VersionConflict` **... when I try to install grpc**

This is likely because `pip` doesn't own the offending dependency, which in turn is likely because your operating system's package manager owns it. You'll need to force the installation of the dependency:
For example, if you get an error like the following:

::

    Traceback (most recent call last):
    File "<string>", line 17, in <module>
    ...
    File "/usr/lib/python2.7/dist-packages/pkg_resources.py", line 509, in find
      raise VersionConflict(dist, req)
    pkg_resources.VersionConflict: (six 1.8.0 (/usr/lib/python2.7/dist-packages), Requirement.parse('six>=1.10'))

You can fix it by doing:

::

    sudo pip install --ignore-installed six

* **... see compiler errors on some platforms when either installing from source or from the source distribution**

If you see

::

    /tmp/pip-build-U8pSsr/cython/Cython/Plex/Scanners.c:4:20: fatal error: Python.h: No such file or directory
      #include "Python.h"
    ^
    compilation terminated.

You can fix it by installing `python-dev` package, i.e

::

    sudo apt-get install python-dev

If you see something similar to:

::

    static const Type kPosMax = SIGNED_INT_MAX(Type);
    ^
    And your toolchain is GCC (at the time of this writing, up through at least
    GCC 6.0), this is probably a bug where GCC chokes on constant expressions
when the `--fwrapv` flag is specified. You should consider setting your environment with `CFLAGS=-fno-wrapv` or using clang (`CC=clang`).

Usage
-----

Given protobuf include directories `$INCLUDE`, an output directory `$OUTPUT`, and proto files `$PROTO_FILES`, invoke as:

```bash
$ python -m grpc.tools.protoc -I$INCLUDE --python_out=$OUTPUT --grpc_python_out=$OUTPUT $PROTO_FILES
```

To use as a build step in distutils-based projects, you may use the provided command class in your `setup.py`:

```python
setuptools.setup(
    # ...
    cmdclass={
        'build_proto_modules': grpc.tools.command.BuildPackageProtos,
    }
    # ...
)
```

Invocation of the command will walk the project tree and transpile every `.proto` file into a `_pb2.py` file in the same directory.

Note that this particular approach requires `grpcio-tools` to be installed on the machine before the setup script is invoked (i.e. no combination of `setup_requires` or `install_requires` will provide access to `grpc.tools.command.BuildPackageProtos` if it isn't already installed). One way to work around this can be found in our `grpcio-health-checking` package [https://pypi.python.org/pypi/grpcio-health-checking](https://pypi.python.org/pypi/grpcio-health-checking):

```python
class BuildPackageProtos(setuptools.Command):
    """Command to generate project *_pb2.py modules from proto files."""
    # ...
    def run(self):
        from grpc.tools import command
        command.build_package_protos(self.distribution.package_dir,"
```

Now including `grpcio-tools` in `setup_requires` will provide the
command on-setup as desired.

For more information on command classes, consult :code:`distutils` and :code:`setuptools` documentation.

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: License :: OSI Approved :: Apache Software License

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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpcio_tools.egg-info/PKG-INFO

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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/test/channel_test_peer.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpc/support/sync_abseil.h
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/// If set, grpc is free to use the HTTP GET verb for sending the request,

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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/test/default_reactor_test_peer.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/grpcpp/support/message_allocator.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/grpcpp/impl/codegen/delegating_channel.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/grpcpp/impl/codegen/server_context.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/src/compiler/cpp_plugin.h
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/src/compiler/config_protobuf.h
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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/src/compiler/node_generator_helpers.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/impl/codegen/status_code_enum.h
* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/src/compiler/status_code_enum.h

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* /opt/cola/permits/1171425373_1623052290.92/0/grpcio-tools-1-36-1-tar-gz/grpcio-tools-1.36.1/grpc_root/include/grpcpp/ext/health_check_service_server_builder_option.h
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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

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

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From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

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* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/schema/oasis-200401-wss-
  wssecurity-utility-1.0.xsd
* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/schema/oasis-200401-wss-
  wssecurity-secext-1.0.xsd

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* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/wstrust/KeyType.java
* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/wsaddressing/ProblemIRI.java
* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/messaging/package-info.java
* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/wsaddressing/wsaddressing/ProblemIRI.java
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* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/wsaddressing/wsaddressing/FaultString.java
* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/wsaddressing/wsaddressing/CannotBeDecomposed fault.java
* /opt/cola/permits/1111302172_1606896600.2/0/opensaml-soap-api-3-3-1-sources-1-jar/org/opensaml/soap/wsaddressing/wsaddressing/FormatString.java

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1.1231 simpleclient 0.6.0

1.1232 vault 0.1.13

1.1232.1 Available under license:

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In versions 1.2.6, 1.3.9, 1.4.5, and 1.5.2, the enterprise licenses were not incorporated correctly into the build and we have issued patch releases (x.y.z.1) for enterprise customers containing the proper license. As the previous builds were both not working and causing confusion, we have removed the binaries.
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---

# `/sys/license`

-> **Enterprise Only**  These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

-> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead, and see [License Status](#license-status) below for the non-deprecated equivalent API.

This endpoint returns information about the currently installed license.
<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request
```
```shell-session
$ curl \
  --header "X-Vault-Token: ..." \ 
  http://127.0.0.1:8200/v1/sys/license
```

### Sample Response
```
```json
{
  "data": {
    "expiration_time": "2017-11-14T16:34:36.546753-05:00",
    "features": ["UI", "HSM", "Performance Replication", "DR Replication"],
    "license_id": "temporary",
    "start_time": "2017-11-14T16:04:36.546753-05:00"
  },
  "warnings": ["time left on license is 29m33s"]
}
```

## Read Signed License
```
```json
{
  "data": {
    "expiration_time": "2017-11-14T16:34:36.546753-05:00",
    "features": ["UI", "HSM", "Performance Replication", "DR Replication"],
    "license_id": "temporary",
    "start_time": "2017-11-14T16:04:36.546753-05:00"
  },
  "warnings": ["time left on license is 29m33s"]
}
```

-> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint returns the signed license blob for the currently installed license.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
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</thead>
<tbody>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license/signed</code></td>
</tr>
</tbody>
</table>

### Sample Request
```
```shell-session
$ curl \
  --header "X-Vault-Token: ..." \ 
  http://127.0.0.1:8200/v1/sys/license/signed
```

### Sample Response
## Install License

-> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint is used to install a license into Vault. The license will be replicated to the Vault instances within the targeted cluster, but will not replicate the license to a [performance replication](/docs/enterprise/replication) cluster. To license a performance replication cluster, this must be run against a Vault instance within that cluster.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
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</thead>
<tbody>
<tr>
<td align="left"><code>PUT</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

_**DR Secondary Specific Parameters**_

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

Note that this is the legacy mechanism for providing a DR operation token. It is equally valid to provide the DR operation token in the `X-Vault-Token` header, as with a regular vault token.

If you are using a batch `dr_operation_token`, note you will need to add the following to the token's policy

```# Manage license for DR Secondary
path "sys/replication/dr/secondary/license" {
capabilities = ["update"]
}
```

### Sample Payload

```json
{
  "text": "01ABCDEFG..."
}
```
### Sample Request

```
curl
   --header "X-Vault-Token: ...
   --request PUT
   --data @payload.json
   http://127.0.0.1:8200/v1/sys/license
```

## Delete License

-> This API is deprecated as of Vault 1.8 and will be removed in a future version of Vault. Please use [license autoloading](/docs/enterprise/license/autoloading) instead.

This endpoint is used to delete a stored license in Vault. This will return an error unless license autoloading is in use.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
curl
   --header "X-Vault-Token: ...
   --request DELETE
   http://127.0.0.1:8200/v1/sys/license
```

## License Status

This endpoint returns information about licensing. It returns similar information to a GET of `sys/license`, but whereas that endpoint reports solely on the license Vault is currently using, this one reports on all licensing information the Vault cluster has. See [license autoloading](/docs/enterprise/license/autoloading) for background.

In the response:
* `autoloading_used` will be true if an autoloaded license was provided to the node, false otherwise.
* `autoloaded` is the autoloaded license if autoloading_used is true.
* `persisted_autoload` is the autoloaded license the active node last wrote to storage; this is only used to detect inconsistently licensed nodes in the cluster. It cannot be used as a license itself.
* `stored` is the stored license if any, i.e. one written using `PUT sys/license`.

---

Open Source Used In Branch Migration Tool 1.9 12415
`autoloaded`, `persisted_autoload`, and `stored` all have the same structure, which is also the same structure as the top-level `data` returned by `GET sys/license`.

<table>
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<tbody>
<tr>
<td align="left"><code>GET</code></td>
<td align="left"><code>/sys/license/status</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
curl --header "X-Vault-Token: ..." http://127.0.0.1:8200/v1/sys/license/status
```

### Sample Response

```
{
  "data": {
    "autoloading_used": true,
    "autoloaded": {
      "expiration_time": "2022-05-17T23:59:59.999Z",
      "features": [
        "HSM",
        "Performance Replication",
        "DR Replication",
        "MFA",
        "Sentinel",
        "Seal Wrapping",
        "Control Groups",
        "Performance Standby",
        "Namespaces",
        "KMIP",
        "Entropy Augmentation",
        "Transform Secrets Engine",
        "Lease Count Quotas",
        "Key Management Secrets Engine",
        "Automated Snapshots"
      ],
      "license_id": "060d7820-fa59-f95c-832b-395db0aeb9ba",
      "performance_standby_count": 9999,
      "start_time": "2021-05-17T00:00:00Z"
    },
    "persisted_autoload": {
      "expiration_time": "2022-05-17T23:59:59.999Z",
      "features": [
```
The "license" command groups subcommands for interacting with Vault licenses.

## Examples

Query current license in use by a node:

For more information, please see the [license documentation](/docs/enterprise/license)
```shell-session
$ vault license get
Key                          Value
---                          ----- 
expiration_time              2022-05-17T23:59:59.999Z 
features                     [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas Key Management Secrets Engine Automated Snapshots]
license_id                   060d7820-fa59-f95c-832b-395db0ae9ba 
performance_standby_count    9999 
start_time                   2021-05-17T00:00:00Z 
```

Query signed license string (only when using a deprecated stored license)

```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```

Inspect a signed a license string:

```shell-session
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0ae9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0ae9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":"*","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-de-scale","governance-policy","advanced-data-protection"],"features":["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}}

License is valid

```text
Usage: vault license <subcommand> [options] [args]
```

---

## Usage

```text
Usage: vault license <subcommand> [options] [args]
```
# Vault License

Licenses and EULA enhancements have been introduced in Vault 1.8 release. Please refer to the [FAQ](/docs/enterprise/license/faq) for common questions concerning these changes.

The [Install a HashiCorp Enterprise License](https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license?in=vault/enterprise) tutorial provides the instruction to load your Vault license.

---

## license inspect

The `license inspect` command describes the contents of a signed license string.

### Examples

Describe license in the environment (either `VAULT_LICENSE` for a raw value or `VAULT_LICENSE_PATH` for the path to a file containing the value):

```
$ vault license inspect
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
```
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":"","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-dc-scale","governance-policy","advanced-data-protection"]},"features":["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License is valid
```shell-session
$ vault license inspect ~/vaults/license
Source: /Users/ncc/vaults/license
Product: vault
License ID: 060d7820-fa59-f95c-832b-395db0aeb9ba
Customer ID: 5401ae3b-136b-3e47-3b43-432927fa03e7
Installation ID: *
Issue Time: 2021-05-17 19:33:47.93981585 +0000 UTC
Start Time: 2021-05-17 00:00:00 +0000 UTC
Expiration Time: 2022-05-17 23:59:59.999 +0000 UTC
{"license_id":"060d7820-fa59-f95c-832b-395db0aeb9ba","customer_id":"5401ae3b-136b-3e47-3b43-432927fa03e7","installation_id":"","issue_time":"2021-05-17T19:33:47.93981585Z","start_time":"2021-05-17T00:00:00Z","expiration_time":"2022-05-17T23:59:59.999Z","flags":{"modules":["multi-dc-scale","governance-policy","advanced-data-protection"]},"features":["HSM","Performance Replication","DR Replication","MFA","Sentinel","Seal Wrapping","Control Groups","Performance Standby","Namespaces","KMIP","Entropy Augmentation","Transform Secrets Engine","Lease Count Quotas","Key Management Secrets Engine","Automated Snapshots"],"performance_standby_count":9999}

License is valid
```
# Frequently Asked Questions (FAQ)

This FAQ section is for the license changes introduced in Vault Enterprise 1.8.

- [Q: When will these licensing changes be released for Vault?](#q-when-will-these-licensing-changes-be-released-for-vault)
- [Q: Will these license changes impact HCP Vault?](#q-will-these-license-changes-impact-hcp-vault)
- [Q: Do these license changes impact all Vault customers/licenses?](#q-do-these-license-changes-impact-all-vault-customers-licenses)
- [Q: What is the product behavior change introduced by the licensing changes?](#q-what-is-the-product-behavior-change-introduced-by-the-licensing-changes)
- [Q: How will Vault behave at startup when a license expires or terminates?](#q-how-will-vault-behave-at-startup-when-a-license-expires-or-terminates)
- [Q: What is the impact on evaluation licenses due to this change?](#q-what-is-the-impact-on-evaluation-licenses-due-to-this-change)
- [Q: Are there any changes to existing methods for manual license loading (API or CLI)?](#q-are-there-any-changes-to-existing-methods-for-manual-license-loading-api-or-cli)
- [Q: Is there a grace period when evaluation licenses expire?](#q-is-there-a-grace-period-when-evaluation-licenses-expire)
- [Q: Does this affect clients?](#q-does-this-affect-clients)
- [Q: Are the license files locked to a specific cluster?](#q-are-the-license-files-locked-to-a-specific-cluster)
- [Q: Will a EULA check happen every time a Vault restarts?](#q-will-a-eula-check-happen-every-time-a-vault-restarts)
- [Q: What scenarios should a customer plan for due to these license changes?](#q-what-scenarios-should-a-customer-plan-for-due-to-these-license-changes)
- [Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-license-as-applied-via-the-cli-flow-to-the-license-on-disk-flow)
- [Q: What is the migration path for customers who wish to migrate from their existing perpetually licensed binaries to the license on disk flow (auto-loading)?](#q-what-is-the-migration-path-for-customers-who-wish-to-migrate-from-their-existing-perpetually-licensed-binaries-to-the-license-on-disk-flow-auto-loading)
- [Q: What is the migration path for customers who want to migrate from their existing perpetually licensed binaries to the current license on storage flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-perpetually-licensed-binaries-to-the-current-license-on-storage-flow)
- [Q: What is the path for customers who want to downgrade/rollback from Vault 1.8 or later (auto-loading) to a pre-Vault 1.8 (license in storage)?](#q-what-is-the-path-for-customers-who-want-to-downgrade-rollback-from-vault-1-8-or-later-auto-loading-to-a-pre-vault-1-8-license-in-storage)
- [Q: Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: When will these licensing changes be released for Vault?

The licensing and end-user license agreement (EULA) changes will be available with Vault 1.8-RC1 on June 16, 2021. Vault 1.8 is targeted to release on July 28, 2021.

### Q: Will these license changes impact HCP Vault?
No, these changes will not impact HCP Vault.

### Q: Do these license changes impact all Vault customers/licenses?

<table>
<thead>
<tr>
<th>Customer/licenses</th>
<th>Impacted?</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT binaries (evaluation or non-evaluation downloaded from <a href="https://releases.hashicorp.com/vault/">releases.hashicorp.com</a>)</td>
<td>Yes</td>
</tr>
<tr>
<td>Open-Source (OSS)</td>
<td>No</td>
</tr>
<tr>
<td>Baked-in license binaries (pro/premium)</td>
<td>No</td>
</tr>
</tbody>
</table>

### Q: What is the product behavior change introduced by the licensing changes?

With Vault 1.8, a valid license is required on-disk (auto-loading) or in-storage for Vault to boot up successfully.

- Existing clusters upgrading to Vault 1.8 or later will not be affected. Customers may continue to use an in-storage license for their existing clusters until they decide to move to auto-loading. Please see the question below: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

- When deploying Vault 1.8 or later clusters, please ensure a valid license exists on-disk (auto-loading).

### Q: How will Vault behave at startup when a license expires or terminates?

When a license expires, Vault continues to function until the license terminates. This behavior exists today and remains unchanged in Vault 1.8. The grace period, defined as the time between license expiration and license termination, is 1 day for evaluation licenses (as of 1.8), and ten years for non-evaluation licenses. Customers must install a valid license before the grace period expires. This license can be autoloading or loaded into storage using existing methods (`/sys/license`) depending on the applicable scenarios as described above.

When license terminates (upon grace period expiry), Vault will seal itself and customers will need a valid license in order to successfully bring-up Vault. If a valid license was not installed after license expiry, customers will need to install one, and this license will need to be auto-loaded.

### Q: What is the impact on evaluation licenses due to this change?

The 6-hour trial period for Enterprise binaries allows these particular binaries to run without a license file and will be removed as of Vault 1.8 and later. This change means that any clusters deployed with Vault 1.8 or later ENT binaries must have a valid license, and the license must be on the disk (auto-loading).

### Q: Are there any changes to existing methods for manual license loading (API or CLI)?

There are no significant changes to the API or CLI license loading with Vault 1.8. However, the `/sys/license` endpoint is slated for deprecation in a future release.

Please see the question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: Is there a grace period when evaluation licenses expire?
Evaluation licenses have a 1-day grace period. The grace period is the time until the license expires. Upon expiration, Vault will seal and will require a valid license to unseal and function properly.

### Q: Does this affect clients?

No, there is no impact to the Vault Agent.

### Q: Are the license files locked to a specific cluster?

The changes to licenses apply to all nodes in a cluster. The license files are not locked to a cluster, but are independently applied to the appropriate clusters.

### Q: Will a EULA check happen every time a Vault restarts?

Yes, starting with Vault 1.8, ENT binaries will be subjected to a EULA check. The release of Vault 1.8 introduces the EULA check for evaluation licenses (non-evaluation licenses are evaluated with a EULA check during contractual agreement).

Although the agreement to a EULA occurs only once (when the user receives their license), Vault will check for the presence of a valid license every time a node is restarted.

When a customer upgrades existing clusters to Vault 1.8 or later, a valid license must exist to upgrade successfully. This valid license must be in storage or on-disk (auto-loaded). Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

Also, when customers deploy new clusters to Vault 1.8 or later, a valid license must exist to upgrade successfully. This valid license must be on-disk (auto-loaded).

### Q: What scenarios should a customer plan for due to these license changes?

- **New Cluster Deployment**: When a customer deploys new clusters to Vault 1.8 or later, a valid license must exist to successfully deploy. This valid license must be on-disk (auto-loaded).

- **Eventual Migration**: Since in-storage licenses will not be supported forever, migrating to auto-loaded licenses will be required. Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?

If a Vault 1.7 cluster is upgraded to Vault 1.8 or later and still has a stored license, the operator must migrate using an auto-loaded license.

1. Use the new command `vault license get -signed` to retrieve the license from the storage in their running cluster.
2. Put the license on disk, configure auto-loading (new `license_path` config option, OR new environment variable `VAULT_LICENSE_PATH` OR new environment variable `VAULT_LICENSE` containing the actual license itself).
3. Restart the Vault node.
4. A warning will explain that the license is in storage and using auto-loading.
5. Use the new command `vault delete /sys/license` to fully transition to auto-loading.

### Q: What is the migration path for customers who wish to migrate from their existing perpetually licensed binaries to the license on disk flow (auto-loading)?

A Vault customer who is currently using S3 unlocked binaries, upgrading their clusters to Vault 1.8 or later, and wishes to move to auto-loading, will need a valid enterprise binary version 1.8 or later and a valid license. The steps are the same as in the above question: [What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?](#q-what-is-the-migration-path-for-customers-who-want-to-migrate-from-their-existing-license-as-applied-via-the-cli-flow-to-the-license-on-disk-flow) starting at Step 2.

### Q: What is the migration path for customers who want to migrate from their existing perpetually licensed binaries to the current license on storage flow?

A Vault customer currently using S3 unlocked binaries is upgrading their clusters to a pre-Vault 1.8 version, the customer must retrieve the corresponding enterprise binary and a valid license to load the license in storage (`/sys/license`). Please see the below question: [Is there a limited time for support of licenses that are in storage?](#q-is-there-a-limited-time-for-support-of-licenses-that-are-in-storage)

### Q: What is the path for customers who want to downgrade/rollback from Vault 1.8 or later (auto-loading) to a pre-Vault 1.8 (license in storage)?

The downgrade procedure remains the same for Vault customers who are currently on Vault 1.8 or later, have a license installed via auto-loading, and would like to downgrade their cluster to a pre-1.8 version that does not have auto-loading support and only supports license in storage. Please refer to the upgrade procedures that remind the customers that they must take a snapshot before the upgrade. Customers will need to restore their version from the snapshot, apply the pre-1.8 enterprise binary version they wish to roll back, and bring up the clusters.

### Q: Is there a limited time for support of licenses that are in storage?

The support of licenses installed by alternative means often leads to difficulties providing the appropriate support. To provide the support expected by our customers, we plan to scale support for licenses in storage for Vault. With this plan, Vault customers have up to a 1-year migration period, or until the release of Vault 1.11, to migrate their licenses from in-storage to auto-loading. Starting with Vault 1.11, licensing endpoints that are put in storage will be removed, and Vault will no longer check for valid licenses in storage. This change requires that all customers have auto-loaded licenses to upgrade to 1.11(+) successfully.
Valid from: {{date-format @startTime 'MMM dd, yyyy hh:mm:ss a'}} to {{date-format @expirationTime 'MMM dd, yyyy hh:mm:ss a'}}

<table>
<thead>
<tr>
<th>License state</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoloaded</td>
<td></td>
</tr>
<tr>
<td>Stored</td>
<td></td>
</tr>
</tbody>
</table>

Stored licenses will be deprecated in a future version of Vault. We recommend autoloading your license. Read more here.

---

Features:

<table>
<thead>
<tr>
<th>Feature Name</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

layout: docs
page_title: License Autoloading
Prior to Vault 1.8, Vault Enterprise would be licensed using special binaries that contained embedded licenses, or via a license written into Vault storage using the [PUT sys/license API](/api/system/license#install-license).

As of Vault 1.8 those options still exist but are deprecated, and the recommended mechanism for managing licenses is called License Autoloading. New clusters are required to use the autoloading method.

License Autoloading can be done using one of these mechanisms, in increasing order of priority (i.e. `VAULT_LICENSE` takes precedence over `VAULT_LICENSE_PATH`, which takes precedence over `license_path` in config.)

* [license_path in config](/docs/configuration#license_path)
* [VAULT_LICENSE_PATH environment variable](/docs/commands#vault_license_path)
* [VAULT_LICENSE environment variable](/docs/commands#vault_license)

Nodes within a cluster should be consistently licensed. All nodes in a cluster should use autoloading, or none should. If autoloading is used, all nodes should use the same license string. Warnings will be written to the log when there are discrepancies.

If autoloading is used, any existing stored license will be ignored. The presence of a stored license in conjunction with an autoloaded license will also result in logged warnings. Once a migration to autoloading is completed, it is recommended to use the [DELETE API](/api/system/license#delete-license) to remove the stored license.

```html
{{#if this.licenseExpired}}
  <div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-expired>
    <AlertBanner
      @type="danger"
      @title="License expired"
      @message="Your Vault license expired on {{date-format @expiry "MMM d, yyyy"}}. Add a new license to your configuration and restart Vault."
      @marginless={{true}}
    >
      <a href="https://learn.hashicorp.com/tutorials/nomad/hashicorp-enterprise-license" target="_blank" rel="noreferrer noopenner">Read documentation</a>
    </AlertBanner>
  </div>
{{else if (lte this.licenseExpiringInDays 30))}}
  <div class="license-banner-wrapper" data-test-license-banner data-test-license-banner-warning>
    <AlertBanner
      @type="warning"
      @title="Vault license expiring"
      @message="Your Vault license will expire in {{this.licenseExpiringInDays}} days at {{date-format @expiry "hh:mm:ss a"}} on {{date-format @expiry "MMM d, yyyy"}}. {{if @autoloaded 'Add a new license to your configuration. ' Keep in mind that your next license will need to be autoloaded'}}"
The "license get" command reports on the license in use. With the "-signed" flag, it will return the actual license string, but only if the license is stored, as opposed to [autoloaded](/docs/enterprise/license/autoloading).

## Examples

Describe current license:

```
```
$ vault license get
```
Key                     Value
---                     -----
expiration_time         2022-05-17T23:59:59.999Z
features                [HSM Performance Replication DR Replication MFA Sentinel Seal Wrapping Control Groups Performance Standby Namespaces KMIP Entropy Augmentation Transform Secrets Engine Lease Count Quotas Key Management Secrets Engine Automated Snapshots]
Get stored license string:

```shell-session
$ vault license get -signed
02MV4UU43BK5H...
```

Try to get stored license string when using autoloading:

```shell-session
$ vault license get -signed
License not found or using a temporary license.
```

## Usage

The following flags are available in addition to the [standard set of flags](/docs/commands) included on all commands.

### Command Options

- `-signed` *(bool: false)* - Return the signed license string when using a stored license.

### 1.1233 keycloak-services 14.0.0

1.1233.1 Available under license :

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```xml
<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html"/>
    <xsl:param name="version"/>
    <xsl:param name="product.release.name"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '"/>
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'"></xsl:variable>

    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html;charset=utf-8"/>
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
                <!-- Read matching templates -->
                <table>
                    <tr>
                        <th>Package Group</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency">
                        <xsl:sort select="concat(groupId, '.', artifactId)"/>
                        <tr>
                            <td><xsl:value-of select="groupId"/></td>
                            <td><xsl:value-of select="artifactId"/></td>
                            <td><xsl:value-of select="version"/></td>
                            <td>  
                                <xsl:for-each select="licenses/license">
                                    <a href="{./url}">{name}</a><br/>
                                </xsl:for-each>
                            </td>
                            <td>  
                                <xsl:for-each select="licenses/license">
                                    <xsl:variable name="filename">
                                        <xsl:call-template name="remap-local-filename">
                                            <xsl:with-param name="name" select="name"/>
                                        </xsl:call-template>
                                    </xsl:variable>
                                </xsl:for-each>
                            </td>
                        </tr>
                    </xsl:for-each>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
```
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
and non-maven dependencies:

```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>/themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>
<other>
    <description>AngularJS</description>
    <locations>
        <directory>/themes/keycloak/common/resources/lib/angular</directory>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
        </license>
    </licenses>
</other>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.
There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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Open Source Used In Branch Migration Tool 1.9  12510
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  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin-filesize": "^9.1.1",
  "rollup-plugin-flow-entry": "^0.3.5",
  "rollup-plugin-mjs-entry": "^0.1.1",
  "sucrase": "^3.18.1",
  "typescript": "^4.1.2"
}
}

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# The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy). Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

Get started at [http://fontawesome.io](http://fontawesome.io)!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap’s 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
  - [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
  - [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
  - [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
  - [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
  - [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
  - [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
  - [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
  - [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
  - [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
  - [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

## Contributing
Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
 Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author

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- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install Fort Awesome/Font Awesome
```

Or add

"Fort Awesome/Font Awesome": ",*,

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```
Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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1.1235 netty-codec 4.1.59.Final

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  jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
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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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* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/LineSeparator.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/LineEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/unsupported/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
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  jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
  jar/io/netty/handler/codec/unsupported/ValueConverter.java
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.

```java
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.
```

The value of the length field in this example is `<tt>12 (0x0C)</tt>` 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.

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 */
* `<pre>`
* `<b>lengthFieldOffset</b> = 0`
* `<b>lengthFieldLength</b> = 2`
* `lengthAdjustment = 0`
* `initialBytesToStrip = 0 (= do not strip header)`
* `</pre>`
* `</h3>`
* `</h3>`
* `</h3>`
* `</h3>`
* `</h3>`

```
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
* `</pre>`
  *
  * BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre>
  `</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 `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 = 0 (= the length of the Length field)`
* `</pre>`
  *
  * BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
  * +--------+----------------+      +-------+
  * | Length | Actual Content |----->| Actual Content |
  * | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
  * +--------+----------------+      +-------+
  * </pre>`

```

* In most cases, the length field represents the length of the whole message
  * 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 `2`, we specify `-2` 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. `<tt>lengthAdjustment</tt>` is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

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

```
| BEFORE DECODE (17 bytes) | AFTER DECODE (17 bytes)
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
<tr>
<td></td>
<td>Header 1</td>
</tr>
<tr>
<td></td>
<td>0xCAFE</td>
</tr>
</tbody>
</table>
```

```
| </pre>
```

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)
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
<tr>
<td></td>
<td>Length</td>
</tr>
<tr>
<td></td>
<td>0x00000C</td>
</tr>
</tbody>
</table>
```

```
| </pre>
```

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)
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
<tr>
<td></td>
<td>Header 1</td>
</tr>
<tr>
<td></td>
<td>0x00000C</td>
</tr>
</tbody>
</table>
```

```
| </pre>
```

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)
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
<tr>
<td></td>
<td>Length</td>
</tr>
<tr>
<td></td>
<td>0x00000C</td>
</tr>
</tbody>
</table>
```

```
| </pre>
```

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)
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
<tr>
<td></td>
<td>Length</td>
</tr>
<tr>
<td></td>
<td>0x00000C</td>
</tr>
</tbody>
</table>
```

```
| </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>`.
* `<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>
* |
* | 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>
*<pre>
* |
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +=----------------------------------+ +----------------------------------+
* </pre>

* @see LengthFieldPrepender
*/

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  jar/io/netty/handler/codec/compression/LzfDecoder.java
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jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
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* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/cola/permits/1145449520_1616155795.37/0/netty-codec-4-1-59-final-sources-1-
jar/io/netty/handler/codec/Headers.java

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1.1256 hibernate-validator-cdi 6.0.22.Final

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~
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Found in path(s):
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/internal/ValidationProviderHelper.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/HibernateValidator.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/internal/interceptor/ValidationEnabledAnnotatedCallable.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/internal/interceptor/ValidationEnabledAnnotatedMethod.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/internal/InheritedMethodsHelper.java
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*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/internal/ValidationExtension.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/internal/InjectingConstraintValidatorFactory.java
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*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/package-info.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/interceptor/ValidationEnabledAnnotatedConstructor.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/interceptor/ValidationInterceptor.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/interceptor/DestructibleBeanInstance.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/interceptor/MethodValidated.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/interceptor/package-info.java
*/opt/cola/permits/1174807348_1624022723.14/0/hibernate-validator-cdi-6-0-22-final-sources-jar/org/hibernate/validator/cdi/interceptor/ValidationEnabledAnnotatedType.java
1.1257 e2fsprogs 1.45.7-r0

1.1257.1 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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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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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) $(LDLIBS_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) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) $(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -rf $(DESTDIR)$(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:

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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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written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o
23-June-2007

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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 package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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1.1263 xlrd 1.1.0

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* /opt/cola/permits/1170785299_1622700563.86/0/python-excel-xlrd-1-1-0-0-ge1930e4-1-tar-gz/python-excel-xlrd-e1930e4/xlrd/sheet.py
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1.1265 pyasn1-modules 0.2.8

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1.1266 keyutils 1.5.9-5+b1
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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/websocket-api

## Third-party Content

This project leverages the following third party content.

None

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1.1269 wildfly-messaging 23.0.2.Final

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1.1270 ognl 3.2.15
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* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTCtor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTVarRef.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ArrayPropertyAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/MapPropertyAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/SimpleNode.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/Ognl.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTConst.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTEval.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTList.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTMap.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTSelect.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ListPropertyAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTThisVarRef.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTRootVarRef.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/OgnlContext.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTChain.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/PropertyAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/OgnlOps.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTStaticField.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTStaticMethod.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTProperty.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ObjectMethodAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTProject.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ObjectPropertyAccessor.java

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* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/enhance/ContextClassLoader.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/OgnlInvokePermission.java

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* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/AccessibleObjectHandlerPreJDK9.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/AccessibleObjectHandler.java
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jar/ognl/EnumerationElementsAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ElementsAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTLessEq.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTNegate.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/NumberElementsAccessor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/IteratorEnumeration.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTBitOr.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTAnd.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTAssign.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/NullHandler.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTLess.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ASTRemainder.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ObjectArrayPool.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/ObjectIndexedPropertyDescriptor.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/NumericTypes.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/Evaluation.java
* /opt/cola/permits/1101844503_1603344873.56/0/ognl-3-2-15-sources-jar/ognl/EvaluationPool.java

---

12878
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/**
 * Thrown during bytecode enhancement conversions of ognl expressions to indicate
 * that a certain expression isn't currently supported as a pure java bytecode enhanced
 * version.
 *
 * @author jkuhnert
1.1271 netty-transport 4.1.59.Final

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* /opt/cola/permits/1145449543_1616156406.95/0/netty-transport-4-1-59-final-1-jar/META-INF/native-image/io.netty/transport/native-image.properties

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Manifest-Version: 1.0
Implementation-Title: Netty/Transport
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.transport
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.transport
Implementation-Version: 4.1.59.Final
Built-By: root
Bnd-LastModified: 1612782105444
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.buffer;version="[4.1,5)";io.netty.resolver;version="[4.1,5)";io.netty.util.concurrent;version="[4.1,5)";io.netty.util.internal;version="[4.1,5)";io.netty.util.logging;version="[4.1,5)";sun.nio.ch;resolution:=optional
optional.org.eclipse.jetty.npn;version="[1,2)";resolution:=optional.org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional
Require-Capability: osgi.ee;filter:="(&osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.bootstrap;uses:="io.netty.channel,io.netty.resolver,io.netty.util";version="4.1.59",io.netty.channel;uses="io.netty...
ty.bootstrap, io.netty.buffer, io.netty.util, io.netty.util.concurrent);
version="4.1.59", io.netty.channel.embedded;uses:="io.netty.channel";
version="4.1.59", io.netty.channel.group;uses:="io.netty.channel, io.netty.
util.concurrent";version="4.1.59", io.netty.channel.internal;version="4.1.
59", io.netty.channel.local;uses:="io.netty.channel";version="4.1.
netty.util, io.netty.util.concurrent";version="4.1.59", io.netty.channel.
pool;uses:="io.netty.bootstrap, io.netty.channel, io.netty.
util.concurrent";version="4.1.59", io.netty.channel.socket;uses:="io.
netty.buffer, io.netty.channel, io.netty.util";version="4.1.59", io.nett
y.channel.socket.nio;uses:="io.netty.buffer, io.netty.channel, io.nett
y.channel.nio, io.netty.channel.socket";version="4.1.59", io.netty.channel.
o.io;uses:="io.netty.buffer, io.netty.channel, io.netty.channel.nio";ver
sion="4.1.59";
Bundle-Name: Netty/Transport
Bundle-Version: 4.1.59.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://netty.io/netty-transport/

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1.1272 jackson-xc 2.12.1
1.1272.1 Available under license:

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1.1273 wildfly-elytron-jaspi 1.15.3.Final

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* /opt/cola/permits/1174808363_1624022363.72/0/wildfly-elytron-jaspi-1-15-3-final-sources-jar/org/wildfly/security/auth/jaspi/package-info.java
* /opt/cola/permits/1174808363_1624022363.72/0/wildfly-elytron-jaspi-1-15-3-final-sources-jar/org/wildfly/security/auth/jaspi/impl/package-info.java
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1.1274 click 8.0.3

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name = click
version = attr: click.__version__
url = https://palletsprojects.com/p/click/
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://click.palletsprojects.com/
  Changes = https://click.palletsprojects.com/changes/
  Source Code = https://github.com/pallets/click/
  Issue Tracker = https://github.com/pallets/click/issues/
  Twitter = https://twitter.com/PalletsTeam
  Chat = https://discord.gg/pallets
license = BSD-3-Clause
license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = Composable command line interface toolkit
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/Stable
  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python

[options]
packages = find:
package_dir = = src
include_package_data = true
python_requires = >= 3.6

[options.packages.find]
where = src

[tool:pytest]
testpaths = tests
filterwarnings =
error
[coverage:run]
branch = true
source = click
tests

[coverage:paths]
source = click
**/site-packages

[flake8]
select = B, F, W, B9, ISC
ignore = E203 E501 E722 W503
max-line-length = 80
per-file-ignores = src/click/__init__.py: F401

[mypy]
files = src/click
python_version = 3.6
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
check_untyped_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

[mypy-colorama.*]
ignore_missing_imports = True

[mypy-importlib_metadata.*]
ignore_missing_imports = True

[egg_info]
tag_build =
tag_date = 0

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* /opt/cola/permits/1212549943_1634637984.77/0/click-8-0-3-tar-gz/click-8.0.3/setup.cfg
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Metadata-Version: 2.1
Name: click
Version: 8.0.3
Summary: Composable command line interface toolkit
Home-page: https://palletsprojects.com/p/click/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
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Classifier: Programming Language :: Python
Requires-Python: >=3.6
Description-Content-Type: text/x-rst
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```
$ click$
```

Click is a Python package for creating beautiful command line interfaces in a composable way with as little code as necessary. It's the "Command Line Interface Creation Kit". It's highly configurable but comes with sensible defaults out of the box.

It aims to make the process of writing command line tools quick and fun while also preventing any frustration caused by the inability to implement an intended CLI API.

Click in three points:

- Arbitrary nesting of commands
- Automatic help page generation
- Supports lazy loading of subcommands at runtime

Installing

----------

Install and update using `pip`:
$ pip install -U click


A Simple Example
----------------

.. code-block:: python

    import click

    @click.command()
    @click.option("--count", default=1, help="Number of greetings.")
    @click.option("--name", prompt="Your name", help="The person to greet.")
    def hello(count, name):
        """Simple program that greets NAME for a total of COUNT times."""
        for _ in range(count):
            click.echo(f"Hello, {name}!")

    if __name__ == '__main__':
        hello()

.. code-block:: text

    $ python hello.py --count=3
    Your name: Click
    Hello, Click!
    Hello, Click!
    Hello, Click!

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------

The Pallets organization develops and supports Click and other popular packages. In order to grow the community of contributors and users, and allow the maintainers to devote more time to the projects, `please donate today`.

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Links
-----
As the userbase of Click grows, more and more major feature requests pop up in Click's bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why click-contrib exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

.. _click-contrib: https://github.com/click-contrib/
1.1275 undertow-server 1.9.0.Final
1.1275.1 Available under license:

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org.wildfly.elytron.web.undertow.server.sni.SNIAlpnEngineManager

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1.1276 werkzeug 1.0.1

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rijndael-alg-fst.c

@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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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation
code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis
Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau,
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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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lib/hcrypto/test_dh.c

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

------
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.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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1.1282 ruamel-yaml-clib 0.2.6

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1.1283 java-uuid-generator 3.2.0

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Java UUID generator library has been written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Eric Bie contributed extensive unit test suite which has helped ensure high implementation quality

1.1284 camunda-connect-core 1.5.2
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Found in path(s):
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/spi/ConnectorConfigurator.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/AbstractConnector.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/AbstractConnectorResponse.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/Connectors.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/ConnectorException.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/spi/CloseableConnectorResponse.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/spi/ConnectorProvider.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/spi/ConnectorRequestInterceptor.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/spi/ConnectorRequest.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/AbstractConnectorRequest.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/AbstractInvocation.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/DebugRequestInterceptor.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/CloseableConnectorResponse.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/Closure.java
* /opt/cola/permits/1171059802_1622804676.91/0/camunda-connect-core-1-5-2-sources-jar/org/camunda/connect/impl/Invocation.java
1.1285 fast-infoset 1.2.13

1.1286 resteasy-jax-rs 3.14.0.Final

1.1286.1 Available under license:

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/**
 * Any exception thrown by a MessageBodyReader chain that is not an instance of a ReaderException is caught internally
 * by the Resteasy runtime and wrapped with an instance of ReaderException.
 *
 * If you want to have special exception handling for exceptions thrown by MessageBodyReaders, then write an exception
 * mapper for ReaderException.
 *
 * Also, you may extend this class and throw instances of it from your MessageBodyReaders (and interceptors)
 *
 * @author <a href="mailto:bill@burkecentral.com">Bill Burke</a>
 * @version $Revision: 1 $
 */

Found in path(s):
* /opt/cola/permits/1171059923_1622804682.72/0/resteasy-jaxrs-3-14-0-final-sources-jar/org/jboss/resteasy/spi/ReaderException.java
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* /opt/cola/permits/1171059923_1622804682.72/0/resteasy-jaxrs-3-14-0-final-sources-
jar/org/jboss/resteasy/client/exception/WebApplicationExceptionWrapper.java
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/**
* Any exception thrown by a MessageBodyWriter chain that is not an instance of a WriterException is caught
* internally by the Resteasy runtime and wrapped with an instance of WriterException.
* If you want to have special exception handling for exceptions thrown by MessageBodyWriters and their
* interceptors, then write an exception mapper for WriterException.
* Also, you may extend this class and throw instances of it from your MessageBodyWriters (and interceptors)
* @author <a href="mailto:bill@burkecentral.com">Bill Burke</a>
* @version $Revision: 1 $
*/

Found in path(s):
* /opt/cola/permits/1171059923_1622804682.72/0/resteasy-jaxrs-3-14-0-final-sources-
jar/org/jboss/resteasy/spi/WriterException.java
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/**
* Encodes and decodes to and from Base64 notation.
* Example:
* String encoded = Base64.encode( myByteArray );
* byte[] myByteArray = Base64.decode( encoded );
The `options` 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 `@link #encodeFromFile` 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 `@link #decodeToObject(java.lang.String, int, java.lang.ClassLoader)` 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.

- 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).

- v2.3.1 - Added `@link #encodeBytesToBytes(byte[], int, int, int)` and some
* similar helper methods to be more efficient with memory by not returning a
* String but just a byte array.</li>
* <li>v2.3 - <strong>This is not a drop-in replacement!</strong> 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
* <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.</li>
* <li>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 arrays are null or offsets are invalid.</li>
* <li>Cleaned up as much javadoc as I could to avoid any javadoc warnings.</li>
* 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>
* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
* when using very small files (~&lt; 40 bytes).</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>
* <li>The default is RFC3548 format.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
* URL and file name friendly format that preserves lexical ordering as described
* </ol>
* 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.</li>
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).</li>
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.</li>
* 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 (see code that you "OR" together).</li>
* v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using decode( String s, boolean gzipCompressed )</code>.</li>
* Added the ability to "suspend" encoding in the OutputStream 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).</li>
* 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.</li>
* v1.4 - Added helper methods to read/write files.</li>
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* 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.</li>
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>

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* This software comes with no guarantees or warranties but with
* plenty of well-wishing instead!
* Please visit http://iharder.net/base64 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/1171059923_1622804682.72/0/resteasy-jaxrs-3-14-0-final-sources.jar/org/jboss/resteasy/util/Base64.java

1.1287 ini 1.57.0

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1.1292 adduser 3.118ubuntu2

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Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.

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Constant-time SSSE3 AES core implementation.

Version 0.1

By Mike Hamburg (Stanford University), 2009

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========

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* /opt/cola/permits/1174807399_1624022440.35/0/wildfly-elytron-x500-1-15-3-final-sources-jar/META-INF/maven/org.wildfly.security/wildfly-elytron-x500/pom.xml

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Open Source Used In Branch Migration Tool 1.9  13030

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Open Source Used In Branch Migration Tool 1.9 13062
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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, while the latter only works together with the library.

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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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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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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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<one line to give the library's name and a brief idea of what it does.>
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MA 02111-1307, USA

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

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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!
// This file was generated by gir (https://github.com/gtk-rs/gir)
// from gir-files (https://github.com/gtk-rs/gir-files)
// DO NOT EDIT

glib_wrapper! {  
  pub struct Permission(Object<ffi::GPermission, ffi::GPermissionClass>);  

  match fn {  
    get_type => || ffi::g_permission_get_type(),  
  }  
}
pub trait PermissionExt {
    fn acquire<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error>;

    fn acquire_async<'a, P: Into<Option<&'a Cancellable>>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q);

    fn get_allowed(&self) -> bool;

    fn get_can_acquire(&self) -> bool;

    fn get_can_release(&self) -> bool;

    fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool);

    fn release<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error>;

    fn release_async<'a, P: Into<Option<&'a Cancellable>>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q);

    fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

    fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

    fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;
}

impl<O: IsA<Permission> + IsA<glib::object::Object>> PermissionExt for O {
    fn acquire<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error> {
        let cancellable = cancellable.into();
        let cancellable = cancellable.to_glib_none();
        unsafe {
            let mut error = ptr::null_mut();
            let _ = ffi::g_permission_acquire(self.to_glib_none().0, cancellable.0, &mut error);
            if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) }
        }
    }

    fn acquire_async<'a, P: Into<Option<&'a Cancellable>>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q) {
        let cancellable = cancellable.into();
        let cancellable = cancellable.to_glib_none();
        let user_data: Box<Box<Q>> = Box::new(Box::new(callback));
        unsafe extern "C" fn acquire_async_trampoline<Q: FnOnce(Result<(), Error>) + Send + 'static>(_source_object: *mut gobject_ffi::GObject, res: *mut ffi::GAsyncResult, user_data: glib_ffi::gpointer) {
            callback_guard!();
            let mut error = ptr::null_mut();
        }
    }
}
let _ = ffi::g_permission_acquire_finish(_source_object as *mut _, res, &mut error);
let result = if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) }
let callback: Box<Box<Q>> = Box::from_raw(user_data as *mut _);

let callback = acquire_async_trampoline::<Q>;

unsafe {
    ffi::g_permission_acquire_async(self.to_glib_none().0, cancellable.0, Some(callback),
    Box::into_raw(user_data) as *mut _);
}

fn get_allowed(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_allowed(self.to_glib_none().0))
    }
}

fn get_can_acquire(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_can_acquire(self.to_glib_none().0))
    }
}

fn get_can_release(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_can_release(self.to_glib_none().0))
    }
}

fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool) {
    unsafe {
        ffi::g_permission_impl_update(self.to_glib_none().0, allowed.to_glib(), can_acquire.to_glib(),
        can_release.to_glib());
    }
}

fn release<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error> {
    let cancellable = cancellable.into();
    let cancellable = cancellable.to_glib_none();
    unsafe {
        let mut error = ptr::null_mut();
        let _ = ffi::g_permission_release(self.to_glib_none().0, cancellable.0, &mut error);
        if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) }
    }
}

fn release_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self,
cancellable: P, callback: Q) {
    let cancellable = cancellable.into();
    let cancellable = cancellable.to_glib_none();
    let user_data: Box<Box<Q>> = Box::new(Box::new(callback));
    unsafe extern "C" fn release_async_trampoline<P: FnOnce(Result<(), Error>) + Send + 'static>(_source_object: *mut gobject_ffi::GObject, res: *mut ffi::GAsyncResult, user_data: glib_ffi::gpointer) {
        callback_guard!();
        let mut error = ptr::null_mut();
        let _ = ffi::g_permission_release_finish(_source_object as *mut _, res, &mut error);
        let result = if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) };
        let callback: Box<Box<Q>> = Box::from_raw(user_data as *mut _);
        callback(result);
    }
    let callback = release_async_trampoline::<Q>;
    unsafe {
        ffi::g_permission_release_async(self.to_glib_none().0, cancellable.0, Some(callback),
        Box::into_raw(user_data) as *mut _);
    }
}

fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<Box<_>> = Box::new(Box::new(f));
        connect(self.to_glib_none().0, "notify::allowed",
                transmute(notify_allowed_trampoline::<Self> as usize), Box::into_raw(f) as *mut _)
    }
}

fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<Box<_>> = Box::new(Box::new(f));
        connect(self.to_glib_none().0, "notify::can-acquire",
                transmute(notify_can_acquire_trampoline::<Self> as usize), Box::into_raw(f) as *mut _)
    }
}

fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<Box<_>> = Box::new(Box::new(f));
        connect(self.to_glib_none().0, "notify::can-release",
                transmute(notify_can_release_trampoline::<Self> as usize), Box::into_raw(f) as *mut _)
    }
}

unsafe extern "C" fn notify_allowed_trampoline<P>(this: *mut glib_ffi::GPermission, _param_spec: glib_ffi::gpointer, f: glib_ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &&(Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

unsafe extern "C" fn notify_can_acquire_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib_ffi::gpointer, f: glib_ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &&(Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

unsafe extern "C" fn notify_can_release_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib_ffi::gpointer, f: glib_ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &&(Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

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* */

--------------------------------------------------
For lib/py/compat/win32/stdint.h

// 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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*
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For t_cl_generator.cc

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1.1311 jboss-negotiation-extras 3.0.6.Final

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## xwd v1.0.7

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include/GL/glxext.h
include/GL/wglxext.h :

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1.1321 kerberos 1.17-3+deb10u2

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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
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
and the initial implementation of incremental propagation, including the following new or changed files:

```
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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1.1351 jackson-jaxrs 2.10.5

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# 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
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* /opt/cola/permits/1171059851_1622804658.01/0/camunda-connect-soap-http-client-1-5-2-sources-jar/org/camunda/connect/httpclient/soap/impl/SoapHttpConnectorLogger.java
* /opt/cola/permits/1171059851_1622804658.01/0/camunda-connect-soap-http-client-1-5-2-sources-jar/org/camunda/connect/httpclient/soap/impl/SoapHttpRequestImpl.java
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    <xsl:param name="version"/>
    <xsl:param name="product.release.name"/>
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    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!' />
    <xsl:template match="/">
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                <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <h2><xsl:value-of select="$product.release.name"/> - Servlet Feature Pack</h2>
                <p>The following material has been provided for informational purposes only, and should not be relied
upon or construed as a legal opinion or legal advice.</p>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
<table>
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    <th>Package Group</th>
    <th>Package Artifact</th>
    <th>Package Version</th>
    <th>Remote Licenses</th>
    <th>Local Licenses</th>
  </tr>
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    <xsl:sort select="concat(groupId, '.', artifactId)"/>
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      <td><xsl:value-of select="artifactId"/></td>
      <td><xsl:value-of select="version"/></td>
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        </xsl:for-each>
      </td>
      <td>
        <xsl:for-each select="licenses/license">
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            <xsl:call-template name="remap-local-filename">
              <xsl:with-param name="name" select="name"/>
            </xsl:call-template>
          </xsl:variable>
          <a href="{$filename}"><xsl:value-of select="$filename"/></a><br/>
        </xsl:for-each>
      </td>
    </tr>
  </xsl:for-each>
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  <xsl:choose>
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      <xsl:text>gnu general public license v2.0 only.html</xsl:text>
    </xsl:when>
    <xsl:when test="$name = "">
      <xsl:text>.html</xsl:text>
    </xsl:when>
    <xsl:otherwise>
      <xsl:value-of select="concat(translate($name, Supercase, $lowercase), '.txt')"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:template>
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## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumberance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.
Here are some examples of maven dependencies:

```xml
<dependency>
    <groupId>org.sonatype.plexus</groupId>
    <artifactId>plexus-sec-dispatcher</artifactId>
    <version>1.3</version>
    <licenses>
        <license>
            <name>Apache Software License 2.0</name>
            <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
        </license>
    </licenses>
</dependency>
<dependency>
    <groupId>org.antlr</groupId>
    <artifactId>antlr-runtime</artifactId>
    <version>3.5</version>
    <licenses>
        <license>
            <name>BSD 3-clause New or Revised License</name>
        </license>
    </licenses>
</dependency>
```

and non-maven dependencies:

```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>
<other>
    <description>AngularJS</description>
    <locations>
        <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
...
...
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or

```html
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-) 

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

### How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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Ty Coon, President of Vice

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
  <xsl:param name="productname"/>
  <xsl:param name="version"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />
  <xsl:template match="/">
    <html>
      <head>
        <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
        <link rel="stylesheet" type="text/css" href="licenses.css"/>
      </head>
      <body>
        <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
        <table>
          <tr>
            <th>Packege Group</th>
            <th>Packege Artifact</th>
            <th>Packege Version</th>
            <th>Remote Licenses</th>
            <th>Local Licenses</th>
          </tr>
          <xsl:for-each select="licenseSummary/dependencies/dependency">
            <xsl:sort select="concat(groupId, '.', artifactId)"/>
            <tr>
              <td><xsl:value-of select="groupId"/></td>
              <td><xsl:value-of select="artifactId"/></td>
              <td><xsl:value-of select="version"/></td>
              <td>
                <ul>
                  <xsl:for-each select="licenses/license">
                    <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
                  </xsl:for-each>
                </ul>
              </td>
              <td>
                <ul>
                  <xsl:for-each select="licenses/license">
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                    <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
                  </xsl:for-each>
                </ul>
              </td>
            </tr>
          </xsl:for-each>
        </table>
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
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</xsl:for-each>
<td>
</td>
</tr>
</xsl:for-each>
</table>
</table>
<tr>
<th>Description</th>
<th>Locations</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
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<xsl:sort select="description"/>
<tr>
<td><xsl:value-of select="description"/></td>
<td>
<ul>
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<li class="{local-name()}"><xsl:value-of select="."/></li>
</xsl:for-each>
</ul>
</td>
<td>
<ul>
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<p><xsl:value-of select="file"/></p>
<ul>
<xsl:for-each select="innerpath">
<li><xsl:value-of select="."/></li>
</xsl:for-each>
</ul>
</li>
</xsl:for-each>
</ul>
</td>
<td>
<ul>
<xsl:for-each select="licenses/license">
<li><a href="{./url}"><xsl:value-of select="name"/></a></li>
</xsl:for-each>
</ul>
</td>
</tr>
<xsl:for-each select="locations/*[self::file or self::directory]">
<li class="{local-name()}"><xsl:value-of select="."/></li>
</xsl:for-each>
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</table>
<tr>
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<td>
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<xsl:for-each select="licenses/license">
<li><a href="[../url]"><xsl:value-of select="name"/></a></li>
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</ul>
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</tr>
</xsl:for-each>
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"lint": "eslint .",
"precommit": "lint-staged && npm-run-all all types test",
"prepare": "npm-run-all clean -p lib types",
"test": "nyc mocha 'test/**/*.ts'",
"types": "tsc",
"verify": "npm-run-all all lint types test"
},
"lint-staged": {
  "*.js,ts": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1",
  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-promise": "^4.2.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0",
  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin-filesizes": "^9.1.1",
  "rollup-plugin-flow-entry": "^0.3.5",
  "rollup-plugin-mjs-entry": "^0.1.1",
  "sucrase": "^3.18.1",
  "typescript": "^4.1.2"
}

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# [Font Awesome v4.3.0](http://fontawesome.io)

## The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

Get started at [http://fontawesome.io](http://fontawesome.io)!

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### Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).

Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

- Breaking backward compatibility bumps the major (and resets the minor and patch)
- New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
- Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```
Build the project and documentation:

$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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Version: @@ver@@ Timestamp: @@timestamp@@

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%global srncname Deprecated
%global pkgname deprecated

Name: python-%{pkgname}
Version: 1.2.13
Release: 1%{?dist}
Summary: Python decorator to deprecate old python classes, functions or methods
License: MIT
URL: https://github.com/tantale/%{pkgname}
Source0: % {pypi_source}
BuildArch: noarch

description
Python @deprecated decorator to deprecate old python classes, functions or methods.
%package -n python3-%{pkgname}
Summary:        %{summary}
BuildRequires: python3-devel
BuildRequires: python3-setuptools
%{?python_provide:%python_provide python3-%{pkgname}}

%description -n python3-%{pkgname}
Python @deprecated decorator to deprecate old python classes, functions or methods.

%prep
%autosetup -n %{srcname}-%{version}
rm -rf %{pkgname}.egg-info

%build
%py3_build

%install
%py3_install

%files -n python3-%{pkgname}
%license LICENSE.rst
%doc README.md
%{python3_sitelib}/%{pkgname}/
%{python3_sitelib}/%{srcname}-*.egg-info/

%changelog
* Fri Jul 26 2019 Petr Hracek <phracek@redhat.com> - 1.2.6-2
  - Fix python3_sitelib issue

* Fri Jul 26 2019 Petr Hracek <phracek@redhat.com> - 1.2.6-1
  - Initial package

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1.1357 jboss-jaxrs-api-2-1-spec 2.0.1.Final

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* Project home: https://projects.eclipse.org/projects/ee4j.jaxrs

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* https://github.com/eclipse-ee4j/jaxrs-api

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23.0.2.Final

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1.1367 wildfly-http-naming-client 1.1.5.Final

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* /opt/cola/permits/1174808753_1624022537.38/0/wildfly-http-naming-client-1-1-5-final-sources-jar/org/wildfly/httpclient/naming/HttpNamingEjbObjectResolverHelper.java
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org.wildfly.httpclient.naming.HttpNamingProviderFactory

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org.wildfly.httpclient.naming.HttpNamingContextFactory
1.1368 wildfly-elytron-http-form 1.15.3.Final

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* /opt/cola/permits/1174809272_1624022445.15/0/wildfly-elytron-http-form-1-15-3-final-sources-
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* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlockingPumpInputStream.java
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auto_left_margin, bw, bw
auto_right_margin, am, am
back_color_erase, bce, ut
can_change, ccc, cc
ceol_standout_glitch, xhp, xs
col_addr_glitch, xhpA, YA
cpi_changes_res, cpix, YF
cr_cancels_micro_mode, crxm, YB
dest_tabs_magic_smso, xt, xt
eat_newline_glitch, xenl, xn
erase_overstrike, eo, eo
generic_type, gn, gn
hard_copy, hc, hc
hard_cursor, chts, HC
has_meta_key, km, km
has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
memory_above, da, da
memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
needs_xon_xoff, nxon, nx
no_esc_ctlc, xsb, xb
no_pad_char, npc, NP
non_dest_scroll_region, ndscr, ND
non_rev_rmcup, nrrmc, NR
change_res_vert, cvr, ZD
change_scroll_region, csr, cs
char_padding, rmp, rP
clear_all_tabs, tbc, ct
clear_margins, mgc, MC
clear_screen, clear, cl
clr_bol, el1, cb
clr_eol, el, ce
clr_eos, ed, cd
column_address, hpa, ch
command_character, cmdch, CC
create_window, cwin, CW
cursor_address, cup, cm
cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cuf1, nd
cursor_to_il, ll, Il
cursor_up, cuu1, up
cursor_visible, cvvis, vs
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
dial_phone, dial, DI
dis_status_line, dsl, ds
display_clock, dclk, DK
down_half_line, hd, hd
en_a, enacs, eA
enter_alt_charset_mode, smacs, as
ever_am_mode, smam, SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrmq, ZL
enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
enter_xon_mode, smxon, SX
erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
exit_ca_mode, rmcup, te
exit_delete_mode, rmdc, ed
exit_doublewide_mode, rwidm, ZQ
exit_insert_mode, rmir, ei
exit_italics_mode, ritm, ZR
exit_leftward_mode, rlm, ZS
exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm, ZU
exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
fixed_pause, pause, PA
flash_hook, hook, fh
flash_screen, flash, vb
form_feed, ff, ff
from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
init_1string, is1, i1
init_2string, is2, is
init_3string, is3, i3
init_file, if, if
init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
key_a1, ka1, K1
key_a3, ka3, K3
key_b2, kb2, K2
key_backspace, kbs, kb
key_beg, kbeg, @1
key_btab, kcbt, kB
key_c1, kc1, K4
key_c3, kc3, K5
key_cancel, kcan, @2
key_catab, ktbc, ka
key_clear, kclr, kC
key_close, kclo, @3
key_command, kcmd, @4
key_copy, kcpy, @5
key_create, kcrt, @6
key_ctab, kctab, kt
key_dc, kdch1, kD
key_dl, kdl1, kL
key_down, kcud1, kd
key_eic, kmir, kM
key_end, kend, @7
key_enter, kent, @8
key_eol, kel, kE
key_eos, ked, kS
key_exit, kext, @9
key_f0, kf0, k0
key_f1, kf1, k1
key_f10, kf10, k;
key_f11, kf11, F1
key_f12, kf12, F2
key_f13, kf13, F3
key_f14, kf14, F4
key_f15, kf15, F5
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key_f19, kf19, F9
key_f2, kf2, k2
key_f20, kf20, FA
key_f21, kf21, FB
key_f22, kf22, FC
key_f23, kf23, FD
key_f24, kf24, FE
key_f25, kf25, FF
key_f26, kf26, FG
key_f27, kf27, FH
key_f28, kf28, FI
key_f29, kf29, FJ
key_f3, kf3, k3
key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
key_f33, kf33, FN
key_f34, kf34, FO
key_f35, kf35, FP
key_f36, kf36, FQ
key_f37, kf37, FR
key_f38, kf38, FS
key_f39, kf39, FT
key_f4, kf4, k4
key_f40, kf40, FU
key_f41, kf41, FV
key_f42, kf42, FW
key_f43, kf43, FX
key_f44, kf44, FY
key_f45, kf45, FZ
key_f46, kf46, Fa
key_f47, kf47, Fb
key_f48, kf48, Fc
key_f49, kf49, Fd
key_f5, kf5, k5
key_f50, kf50, Fe
key_f51, kf51, Ff
key_f52, kf52, Fg
key_f53, kf53, Fh
key_f54, kf54, Fi
key_f55, kf55, Fj
key_f56, kf56, Fk
key_f57, kf57, Fl
key_f58, kf58, Fm
key_f59, kf59, Fn
key_f6, kf6, k6
key_f60, kf60, Fo
key_f61, kf61, Fp
key_f62, kf62, Fq
key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kil1, kA
key_left, kcub1, kl
key_ll, kll, kH
key_mark, kmrk, %2
key_message, kmsg, %3
key_move, kmov, %4
key_next, knxt, %5
key_npage, knp, kN
keypad_local, rmkx, ke
kepad_xmit, smkx, ks
lab_f0, lf0, l0
lab_f1, lf1, l1
lab_f10, lf10, la
lab_f2, lf2, l2
lab_f3, lf3, l3
lab_f4, lf4, l4
lab_f5, lf5, l5
lab_f6, lf6, l6
lab_f7, lf7, l7
lab_f8, lf8, l8
lab_f9, lf9, l9
label_format, fln, Lf
label_off, rmln, LF
label_on, smln, LO
meta_off, rmm, mo
meta_on, smm, mm
micro_column_address, mhpa, ZY
micro_down, mcud1, ZZ
micro_left, mcub1, Za
micro_right, mcuf1, Zb
micro_row_address, mvpa, Zc
micro_up, mcuu1, Zd
newline, nel, nw
order_of_pins, porder, Ze
orig_colors, oc, oc
orig_pair, op, op
pad_char, pad, pc
parm_dch, dch, DC
parm_delete_line, dl, DL
parm_down_cursor, cud, DO
parm_down_micro, mcud, Zf
parm_ich, ich, IC
parm_index, indn, SF
parm_insert_line, il, AL
parm_left_cursor, cub, LE
parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR
parm_up_cursor, cuu, UP
parm_up_micro, mcuu, Zi
pkey_key, pfkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfx, px
plab_norm, pln, pn
print_screen, mc0, ps
user3, u3, u3
user4, u4, u4
user5, u5, u5
user6, u6, u6
user7, u7, u7
user8, u8, u8
user9, u9, u9
wait_tone, wait, WA
xoff_character, xoffc, XF
xon_character, xonc, XN
zero_motion, zerom, Zx
alt_scancode_esc, scesa, S8
bit_image_carriage_return, bicr, Yv
bit_image_newline, binel, Zz
bit_image_repeat, birep, Xy
char_set_names, csnm, Zy
code_set_init, csin, ci
color_names, colornm, Yw
derive_bit_image_region, defbi, Yx
device_type, devt, dv
display_pc_char, dispbc, S1
device_type, devt, dv
derive_bit_image_region, endbi, Yy
derive_pc_charset_mode, smpch, S2
derive_scancode_mode, smse, S4
derive_pc_charset_mode, rmpch, S3
derive_scancode_mode, rmse, S5
get_mouse, getm, Gm
key_mouse, kmous, Km
mouse_info, minfo, Mi
pc_term_options, pctrm, S6
pkey_plab, pfxl, xl
req_mouse_pos, reqmp, RQ
scancode_escape, scesc, S7
set0_des_seq, s0ds, s0
set1_des_seq, s1ds, s1
set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhlm, Xh
enter_left_hl_mode, elhlm, Xl
enter_low_hl_mode, elohlm, Xo
enter_right_hl_mode, erhlm, Xr
enter_top_hl_mode, ethlm, Xt
enter_vertical_hl_mode, evhlm, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal-3-12-1-sources-
  jar/org/jline/utils/capabilities.txt
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  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal-3-12-1-sources-
  jar/org/jline/terminal/impl/ExecPty.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal/impl/MouseSupport.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal/impl/AbstractPosixTerminal.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal/CursorSupport.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal/impl/NativeSignalHandler.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline/utils/InputStreamReader.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline/terminal/MouseEvent.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline/utils/WCWidth.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline/utils/ClosedException.java
  */opt/ws_local/PERMITS_SQL/1057262552_1592255590.190/jline-terminal-3-12-1-sources-
jar/org/jline/utils/Levenshtein.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/ExecHelper.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/OSUtils.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/ShutdownHooks.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/spi/Pty.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/package-info.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/Signals.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/AttributedString.java
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black
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blue1
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deepskyblue4a
deepskyblue4b
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dodgerblue2
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turquoise4
deepskyblue3
deepskyblue3a
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lightseagreen
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springgreen2
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turquoise2
green1
springgreen2a
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cyan1
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blueviolet
orange4
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mediumpurple4
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slateblue3a
royalblue1
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cornflowerblue
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steelblue1
chartreuse3a
palegreen3
seagreen3
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lightgoldenrod3
tan
mistyrose3
thistle3
plum2
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khaki3
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lightyellow3
grey84
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yellow2
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* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-jar/META-INF/maven/org.jline/jline-terminal/pom.xml

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* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/DumbTerminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/NonBlocking.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/Size.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/NonBlockingInputStream.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/Curses.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/StyleResolver.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/AbstractTerminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/AttributedStyle.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/NonBlockingReaderImpl.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/PosixSysTerminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/Terminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/Status.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/NonBlockingReader.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/LineDisciplineTerminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/Display.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/AttributedStringBuilder.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/NonBlockingInputStreamImpl.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
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* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/spi/JansiSupport.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/TerminalBuilder.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/InfoCmp.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/utils/AttributedCharSequence.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
jar/org/jline/terminal/impl/AbstractPty.java
* /opt/ws_local/PERMITS_SQL/1057262552_1592255590.19/0/jline-terminal-3-12-1-sources-
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1.1376 flask-sqlalchemy 2.4.4

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import io
import re

from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("flask_sqlalchemy/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"__version__ = "(.*)"", f.read(), re.M).group(1)

setup(
    name="Flask-SQLAlchemy",
    version=version,
    url="https://github.com/pallets/flask-sqlalchemy",
    project_urls={
        "Documentation": "https://flask-sqlalchemy.palletsprojects.com/",
        "Issue tracker": "https://github.com/pallets/flask-sqlalchemy/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="Adds SQLAlchemy support to your Flask application.",
    long_description=readme,
    packages=["flask_sqlalchemy"],
    include_package_data=True,
    python_requires=">= 2.7, != 3.0.*, != 3.1.*, != 3.2.*, != 3.3.*",
    install_requires=["Flask>=0.10", "SQLAlchemy>=0.8.0"],
    classifiers=[
        "Development Status :: 5 - Production/Stable",
        "Environment :: Web Environment",
        "Intended Audience :: Developers",
        "License :: OSI Approved :: BSD License",
        "Operating System :: OS Independent",
        "Programming Language :: Python",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 2.7",
    ]
)
Declaring Models
================

Generally Flask-SQLAlchemy behaves like a properly configured declarative base from the :mod:`~sqlalchemy.ext.declarative` extension. As such we recommend reading the SQLAlchemy docs for a full reference. However the most common use cases are also documented here.

Things to keep in mind:

- The baseclass for all your models is called ``db.Model``. It's stored on the SQLAlchemy instance you have to create. See :ref:`quickstart` for more details.
- Some parts that are required in SQLAlchemy are optional in Flask-SQLAlchemy. For instance the table name is automatically set for you unless overridden. It's derived from the class name converted to lowercase and with “CamelCase” converted to “camel_case”. To override the table name, set the ``__tablename__`` class attribute.

Simple Example
--------------

A very simple example::

```python
class User(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    username = db.Column(db.String(80), unique=True, nullable=False)
```
email = db.Column(db.String(120), unique=True, nullable=False)

def __repr__(self):
    return '<User %r>' % self.username

Use :class:`sqlalchemy.schema.Column` to define a column. The name of the column is the name you assign it to. If you want to use a different name in the table you can provide an optional first argument which is a string with the desired column name. Primary keys are marked with `primary_key=True`. Multiple keys can be marked as primary keys in which case they become a compound primary key.

The types of the column are the first argument to :class:`sqlalchemy.schema.Column`. You can either provide them directly or call them to further specify them (like providing a length). The following types are the most common:

```
<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>~sqlalchemy.types.Integer</td>
<td>an integer</td>
</tr>
<tr>
<td>~sqlalchemy.types.String</td>
<td>a string with a maximum length</td>
</tr>
<tr>
<td>~sqlalchemy.types.Text</td>
<td>some longer unicode text</td>
</tr>
<tr>
<td>~sqlalchemy.types.DateTime</td>
<td>date and time expressed as Python</td>
</tr>
<tr>
<td>~sqlalchemy.types.Float</td>
<td>stores floating point values</td>
</tr>
<tr>
<td>~sqlalchemy.types.Boolean</td>
<td>stores a boolean value</td>
</tr>
<tr>
<td>~sqlalchemy.types.PickleType</td>
<td>stores a pickled Python object</td>
</tr>
<tr>
<td>~sqlalchemy.types.LargeBinary</td>
<td>stores large arbitrary binary data</td>
</tr>
</tbody>
</table>
```

One-to-Many Relationships

The most common relationships are one-to-many relationships. Because relationships are declared before they are established you can use strings to refer to classes that are not created yet (for instance if `Person` defines a relationship to `Address` which is declared later in the file).

Relationships are expressed with the :func:`sqlalchemy.orm.relationship` function. However the foreign key has to be separately declared with the :class:`sqlalchemy.schema.ForeignKey` class::

class Person(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    name = db.Column(db.String(50), nullable=False)
addresses = db.relationship('Address', backref='person', lazy=True)

class Address(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    email = db.Column(db.String(120), nullable=False)
    person_id = db.Column(db.Integer, db.ForeignKey('person.id'),
                          nullable=False)

What does :func:`db.relationship()` do? That function returns a new property that can do multiple things. In this case we told it to point to the ``Address`` class and load multiple of those. How does it know that this will return more than one address? Because SQLAlchemy guesses a useful default from your declaration. If you would want to have a one-to-one relationship you can pass ``uselist=False`` to :func:`~sqlalchemy.orm.relationship`.

Since a person with no name or an email address with no address associated makes no sense, ``nullable=False`` tells SQLAlchemy to create the column as ``NOT NULL``. This is implied for primary key columns, but it's a good idea to specify it for all other columns to make it clear to other people working on your code that you did actually want a nullable column and did not just forget to add it.

So what do ``backref`` and ``lazy`` mean? ``backref`` is a simple way to also declare a new property on the ``Address`` class. You can then also use ``my_address.person`` to get to the person at that address. ``lazy`` defines when SQLAlchemy will load the data from the database:

- ``select`` / ``True`` (which is the default, but explicit is better than implicit) means that SQLAlchemy will load the data as necessary in one go using a standard select statement.
- ``joined`` / ``False`` tells SQLAlchemy to load the relationship in the same query as the parent using a ``JOIN`` statement.
- ``subquery`` works like ``joined`` but instead SQLAlchemy will use a subquery.
- ``dynamic`` is special and can be useful if you have many items and always want to apply additional SQL filters to them.

Instead of loading the items SQLAlchemy will return another query object which you can further refine before loading the items. Note that this cannot be turned into a different loading strategy when querying so it's often a good idea to avoid using this in favor of ``lazy=True``. A query object equivalent to a dynamic user.addresses relationship can be created using :meth:`Address.query.with_parent(user) <sqlalchemy.orm.query.Query.with_parent>` while still being able to use lazy or eager loading on the relationship itself as necessary.

How do you define the lazy status for backrefs? By using the
.. include:: class_person.rst

.. include:: class_page.rst

.. include:: class_tag.rst

Many-to-Many Relationships

If you want to use many-to-many relationships you will need to define a helper table that is used for the relationship. For this helper table it is strongly recommended to *not* use a model but an actual table:

```python
tags = db.Table('tags',
    db.Column('tag_id', db.Integer, db.ForeignKey('tag.id'), primary_key=True),
    db.Column('page_id', db.Integer, db.ForeignKey('page.id'), primary_key=True)
)
```

class Page(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    tags = db.relationship('Tag', secondary=tags, lazy='subquery',
                           backref=db.backref('pages', lazy=True))

class Tag(db.Model):
    id = db.Column(db.Integer, primary_key=True)

Here we configured ``Page.tags`` to be loaded immediately after loading a Page, but using a separate query. This always results in two queries when retrieving a Page, but when querying for multiple pages you will not get additional queries.

The list of pages for a tag on the other hand is something that's rarely needed. For example, you won't need that list when retrieving the tags for a specific page. Therefore, the backref is set to be lazy-loaded so that accessing it for the first time will trigger a query to get the list of pages for that tag. If you need to apply further query options on that list, you could either switch to the ``'dynamic'`` strategy - with the drawbacks mentioned above - or get a query object using

.. method:: Page.query.with_parent(some_tag) <sqlalchemy.orm.query.Query.with_parent>

and then use it exactly as you would with the query object from a dynamic relationship.

Found in path(s):
* /opt/cola/permits/1156779764_1619425047.57/0/pallets-flask-sqlalchemy-2-4-4-0-ge5fcf62-1-tar-gz/pallets-flask-sqlalchemy-e5fcf62/docs/models.rst
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1.1378 perl 5.30.0-9ubuntu0.2

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#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0  1993/08/18 12:04:35  ram
# Baseline for dist 3.0 netwide release.
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order. It will complain and die if not. NOTE: It will still produce
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1.1379 libgtk 2.24.32-3

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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
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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

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

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
  <xsl:param name="version"/>
  <xsl:param name="product.release.name"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '" />
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ! '" />

  <xsl:template match="/">
    <html>
      <head>
        <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
        <link rel="stylesheet" type="text/css" href="licenses.css"/>
      </head>
      <body>
        <h2><xsl:value-of select="$product.release.name"/>&quot; </h2>
        <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
        <!-- Read matching templates -->
        <table>
          <tr>
            <th>Package Group</th>
            <th>Package Artifact</th>
            <th>Package Version</th>
            <th>Remote Licenses</th>
            <th>Local Licenses</th>
          </tr>
        </table>
        <xsl:for-each select="licenseSummary/dependencies/dependency">
          <tr>
            <td><xsl:value-of select="groupId"/></td>
            <td><xsl:value-of select="artifactId"/></td>
            <td><xsl:value-of select="version"/></td>
            <td>
              <xsl:for-each select="licenses/license">
                <a href="{./url}"
                  target="_blank">
                  <xsl:value-of select="name"/>
                </a>
              </xsl:for-each>
            </td>
            <td>
              <xsl:for-each select="licenses/license">
                <xsl:variable name="filename">
                  <xsl:call-template name="remap-local-filename">
                    <xsl:with-param name="name" select="name"/>
                  </xsl:call-template>
                </xsl:variable>
              </xsl:for-each>
            </td>
          </tr>
        </xsl:for-each>
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
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## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumberance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- the server, modify `distribution/feature-packs/server-feature-pack/src/main/resources/licenses/rh-sso/license.xml`
- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```
```
and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
    </license>
  </licenses>
</other>
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system. This copy of Jackson JSON processor databind module is licensed under the Apache (Software) License, version 2.0 (“the License”). See the License for details about distribution rights, and the specific rights regarding derivate works.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons
## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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</xsl:stylesheet>
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<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
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For each dependency, the following remote licenses are provided:

- [License Name](url)

And the following local licenses are provided:

- [License Name](filename)
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<th>Remote Licenses</th>
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    - <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
  - </ul> | <ul>
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  "typescript": "^4.1.2"
}

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites,
created and maintained by [Dave Gandy](http://twitter.com/davegandy).
Stay up to date with the latest release and announcements on Twitter:
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Get started at [http://fontawesome.io](http://fontawesome.io)!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
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- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author
## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

"FortAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```
$ bundle exec jekyll -w serve
```

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* /opt/cola/permits/1174808446_1624022311.18/0/wildfly-elytron-x500-cert-util-1-15-3-final-sources-
  jar/org/wildfly/security/x500/cert/util/package-info.java 
* /opt/cola/permits/1174808446_1624022311.18/0/wildfly-elytron-x500-cert-util-1-15-3-final-sources-
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1.1396 libldap 2.4.47+dfsg-3+deb10u6

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Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I
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Regards, Juan

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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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* To: Stephen Frost <sfrost@snowman.net>
* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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Regards, Kurt

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1.1397 librest 0.8.1 1

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1.1398 python 3.8.12

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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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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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* 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.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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setProcessControllerJavaOptions(final Iterable<String> args) { public DomainCommandBuilder
setServerJavaHome(final String javaHome) { public DomainCommandBuilder setServerJavaHome(final Path javaHome) {

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  jar/org/apache/commons/logging/LogConfigurationException.java
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1.1429 python-status 1.0.1
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1.1431 jackson-annotations 2.12.1

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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

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.
1.1439 jre 1.3.132u0

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@page

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@end enumerate

@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@heading 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 the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively 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.

@example
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}
@end example

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@end example

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:

@example
Gnomovision version 69, Copyright (C) @var{year}  @var{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.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{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:
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Ty Coon, President of Vice

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

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- the _programs_ gettext, ngettext, envsubst,
- the documentation.

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Version 2.1, February 1999

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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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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
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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,
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6. As an exception to the Sections above, you may also combine or
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with the Library, with the complete machine-readable "work that
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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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1.1449 coverage 4.5.1
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Coverage.py was originally written by Gareth Rees, and since 2004 has been extended and maintained by Ned Batchelder.

Other contributions, including writing code, updating docs, and submitting useful bug reports, have been made by:

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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/SocksVersion.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseDecoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/AppendableCharSequence.java
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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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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamChannel.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatBroker.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatClientHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/MaxCapacityQueue.java
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/**
* Utility class for [ByteBuf] that encodes and decodes to and from
* <a href="https://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* 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
* Base64 Encoder/Decoder</a>.
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackDecoder.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanDecoder.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/channel/sctp/SctpNotificationHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/channel/sctp/SctpChannel.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its [ChannelPipeline].

Sub-types

[@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its subtypes:

- [@link ChannelInboundHandler] to handle inbound I/O events, and
- [@link ChannelOutboundHandler] to handle outbound I/O operations.

Alternatively, the following adapter classes are provided for your convenience:

- [@link ChannelInboundHandlerAdapter] to handle inbound I/O events,
- [@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and
- [@link ChannelDuplexHandler] to handle both inbound and outbound events.

For more information, please refer to the documentation of each subtype.

The context object

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.

State management

A [@link ChannelHandler] often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```
public interface Message {
    // your methods here
}
```

public class DataServerHandler extends [@link SimpleChannelInboundHandler]<Message> {

    private boolean loggedIn;

```
```java
* { @code @Override }
* public void channelRead0(@link 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();
*         }
*     }
* }
* ...
* }</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}&lt;{ @link Channel}&gt; {
*     { @code @Override }
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* </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; { 
*     private final { @link AttributeKey}&lt;{ @link Boolean}&gt; auth = 
*         { @link AttributeKey}#valueOf("auth") ;
```
```java
public void channelRead(ChannelHandlerContext ctx, Message message) {
    Attribute<Boolean> attr = ctx.attr(auth);
    if (message instanceof LoginMessage) {
        authenticate((LoginMessage) o);
        attr.set(true);
    } else if (message instanceof GetDataMessage) {
        if (Boolean.TRUE.equals(attr.get())) {
            ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
        } else {
            fail();
        }
    }
}
...
```

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

* <h3>Additional resources worth reading</h3>

* 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/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/uptime/UptimeServer.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserverFactory.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannel.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelBootstrap.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelBootstrap.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/Util/unchecked/UncheckedBooleanSupplier.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2UnknownFrame.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/LoggingDnsQueryLifecycleObserver.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/util/unchecked/UncheckedBooleanSupplier.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelId.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelId.java

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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/Digester.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/OcspServerExample.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/OcspClientExample.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/OcspRequestBuilder.java

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jar/io/netty/internal/tcnative/SSLSession.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/internal/tcnative/SSLSessionCache.java
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jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java
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jar/io/netty/buffer/search/AbstractMultiSearchProcessorFactory.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/example/http2/helloworld/frame/client/Http2FrameClient.java
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  jar/io/netty/channel/ChannelInboundInvoker.java
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  jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
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  jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java

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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/coding/ReplayingDecoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/channel/SucceededChannelFuture.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/channel/socket/oio/package-info.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/example/http/snoop/HttpSnoopClient.java
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jar/io/netty/example/http/websocketx/server/WebSocketIndexPageHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/example/proxy/HexDumpProxyFrontendHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/http/DefaultHttpResponse.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/socks/SocksRequest.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java
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jar/io/netty/channel/oio/OioEventLoopGroup.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/channel/udt/UdtMessage.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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  jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/example/worldclock/WorldClockClientHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/example/objectecho/ObjectEchoServer.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/handler/codec/compression/ZlibEncoder.java
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  jar/io/netty/example/worldclock/WorldClockClient.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/example/securechat/SecureChatClientInitializer.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/example/udt/echo/message/MsgEchoClient.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java

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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/CertificateCallbackTask.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodTask.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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jar/io/netty/handler/ipfilter/IPFilterRuleType.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerHandler.java
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info.java
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  jar/io/netty/util/collection/ShortCollections.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
  jar/io/netty/example/http2/helloworld/server/Http2OrHttpHandler.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpUtil.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/SingletonDnsServerAddresses.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoServer.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java

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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/example/http2/tiles/FallbackRequestHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/resolver/AddressResolver.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/unix/DatagramSocketAddress.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/channel/unix/DomainSocketChannelConfig.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/MaxMessagesRecvByteBufAllocator.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/dns/DnsRecordType.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/dns/DatagramDnsResponse.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/InetNameResolver.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/CookieUtil.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
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* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources.jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java

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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

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jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/util/internal/Cleaner.java
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-
jar/io/netty/util/internal/CleanerJava9.java
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* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations
* 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.
*
Found in path(s):
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// Try the OpenJDK's proprietary implementation.

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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 `TCP_QUICKACK` option on the socket.
See [TCP_QUICKACK](https://linux.die.net/man/7/tcp) for more details.

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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.
 * <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.
 *
 * <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" |
 */
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.

lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = 0
initialBytesToStrip = <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" |

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

BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
| Length | Actual Content |----->| Length | Actual Content |
| 0x000E | "HELLO, WORLD" |      | 0x000E | "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>
as <tt>lengthAdjustment</tt> for compensation.

lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = <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 (14 bytes)         AFTER DECODE (14 bytes)
| Length | Actual Content |----->| Length | Actual Content |
| 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |

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

3 bytes length field at the end of 5 bytes header, do not strip header
* The following message is a simple variation of the first example. An extra header value is prepended to the message. \texttt{lengthAdjustment} is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

\texttt{lengthFieldOffset} = 2 (= the length of Header 1)

\texttt{lengthFieldLength} = 3

\texttt{lengthAdjustment} = 0

\texttt{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 \texttt{lengthAdjustment} so that the decoder counts the extra header into the frame length calculation.

\texttt{lengthFieldOffset} = 0

\texttt{lengthFieldLength} = 3

\texttt{lengthAdjustment} = 2 (= the length of Header 1)

\texttt{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>

* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

* 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 \texttt{initialBytesToStrip} 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 \texttt{0} for \texttt{initialBytesToSkip}.

\texttt{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>

* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>

* 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> (= the length of HDR1 + LEN, negative)

* 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
*/

Found in path(s):
* /opt/cola/permits/1196732254_1629963980.67/0/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman and Bas van Gompel.

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1.1484 pycparser 2.21

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pycparser -- A C parser in Python

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1.1485 openshift-restclient-java 8.0.0.Final

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1.1486 idna 3.2

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1.1487 aiohttp 3.7.4.post0

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1.1492 wildfly-clustering-ee-cache

23.0.2.Final

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1.1493 smallrye-metrics-api 3.0.1
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1.1494 cxf-rt-features-clustering 3.3.10

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1.1495 more-iterertools 8.10.0

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1.1496 kerberos 1.18.3

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lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
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lib/gssapi/mechglue/g_imp_sec_context.c
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include/iprop_hdr.h
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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
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* /opt/cola/permits/1174807557_1624022915.17/0/wildfly-jar-runtime-15-0-1-final-sources-jar/org/wildfly/core/jar/runtime/PropertyUpdater.java

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Written by: Philip Hazel
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zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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mgo - MongoDB driver for Go

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tomb - support for clean goroutine termination in Go.

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mgo - MongoDB driver for Go

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* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/CleanUpHandler.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/RunAsLifecycleInterceptor.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/ElytronAuthorizationManager.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/RequestResponseAccessor.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/CleanUpTask.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/IdentityMapping.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/AuthenticationManager.java
* /opt/cola/permits/1174808535_1624022360.72/0/undertow-server-servlet-1-9-0-final-sources-jar/org/wildfly/elytron/web/undertow/server/servlet/ElytronHttpServletExchange.java

1.1519 libxi 1.1.4-2
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1.1520 smallrye-reactive-messaging-kafka

3.0.0

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* /opt/cola/permits/1174808952_1635333145.0/0/smallrye-jwt-cdi-extension-3.0.0-sources.jar/META-INF/maven/io.smallrye/smallrye-jwt-cdi-extension/pom.xml

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* /opt/cola/permits/1174808739_1624022879.79/0/wildfly-elytron-x500-cert-acme-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/acme/AcmeAccount.java
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* /opt/cola/permits/1174808739_1624022879.79/0/wildfly-elytron-x500-cert-acme-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/acme/AcmeMetadata.java
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* /opt/cola/permits/1174808739_1624022879.79/0/wildfly-elytron-x500-cert-acme-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/acme/AcmeException.java
* /opt/cola/permits/1174808739_1624022879.79/0/wildfly-elytron-x500-cert-acme-1-15-3-final-sources-jar/org/wildfly/security/x500/cert/acme/AcmeResource.java
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  jar/org/wildfly/security/x500/cert/acme/CertificateAuthority.java
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  INF/maven/org.wildfly.security/wildfly-elytron-x500-cert/acme/CertificateAuthority.java
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 */
/**
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<p>Once returned, client code can use the {@link PermissionVerifier#implies(Permission)} to check if a given permission is granted or not to the given principal. Implementors must make sure that the returned collection is immutable.</p>

@<p>param permissionMappable the object to which permissions can be mapped (must not be {@code null})</p>

@<p>param roles a set of effective roles after all role mapping was applied by security domain (may be {@code null})</p>

@return a permission verifier (not {@code null})</p>

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  jar/org/wildfly/security/auth/server/RealmMapper.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/server/NameRewriter.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/callback/ExtendedCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/server/SecurityDomain.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/callback/SecurityRealm.java

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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/callback/ChannelBindingCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/callback/ParameterCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
  jar/org/wildfly/security/auth/callback/RunAsPrincipalCallback.java
jar/org/wildfly/security/auth/callback/PeerPrincipalCallback.java


* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/SocketAddressCallback.java

* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/CallbackUtil.java

* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/FastUnsupportedCallbackException.java

* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/ExtendedChoiceCallback.java

* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/AuthenticationCompleteCallback.java

* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/LRURealmIdentityCache.java

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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/AbstractCredentialCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/OptionalNameCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/event/SecurityPermissionCheckFailedEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/ssl/TLSServerEndPointChannelBinding.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/Scoped.java
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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/event/SecurityPermissionCheckEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/ssl/SSLConnection.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/callback/PasswordResetCallback.java
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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/authz/MappedRoles.java

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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/event/Rfc3164SyslogEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/event/SyslogAuditEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/event/Rfc5424SyslogEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/authz/SourceAddressRoleDecoder.java

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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/event/Rfc5424SyslogEvent.java

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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/permission/LoginPermission.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/permission/ChangeRoleMapperPermission.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-jar/org/wildfly/security/auth/server/PrincipalDecoder.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/authz/RoleDecoder.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/event/RealmDefiniteOutcomeAuthenticationEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/AbstractMechanismAuthenticationFactory.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/event/RealmEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/authz/AuthorizationFailureException.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
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* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/callback/ServerCredentialCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/authz/authz/AuthorizationIdentity.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/authz/authz/Attributes.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/event/RealmSuccessfulAuthenticationEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/event/RealmAbandonedAuthenticationEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/callback/TrustedAuthoritiesCallback.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/event/RealmSuccessfulAuthenticationEvent.java
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jar/org/wildfly/security/auth/server/event/RealmSuccessfulAuthenticationEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
jar/org/wildfly/security/auth/server/event/RealmAbandonedAuthenticationEvent.java
* /opt/cola/permits/1174808927_1624022650.79/0/wildfly-elytron-auth-server-1-15-3-final-sources-
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1.1530 python-certifi 2021.10.8
1.1530.1 Available under license:
This package contains a modified version of ca-bundle.crt:

cacrtlame.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 $

1.1531 paranamer 2.8
1.1531.1 Available under license:
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*/opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-
jar/com/thoughtworks/paranamer/Paranamer.java

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jar/com/thoughtworks/paranamer/BytecodeReadingParanamer.java
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* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-
jar/com/thoughtworks/paranamer/DefaultParanamer.java
* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-
jar/com/thoughtworks/paranamer/ParameterNamesNotFoundException.java
* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-jar/com/thoughtworks/paranamer/AdaptiveParanamer.java
* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-jar/com/thoughtworks/paranamer/CachingParanamer.java
* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-jar/com/thoughtworks/paranamer/NullParanamer.java

1.1532 pyyaml 5.4.1

1.1532.1 Available under license:

Availability: pyyaml 5.4.1

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1.1533 infinispan-commons 11.0.9.Final

1.1533.1 Available under license:

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# Although created for httpd, this file is used by many software systems
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#
# 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 <http://www.iana.org/assignments/media-types/>.

# MIME type (lowercased):Extensions
# ==========================================================================
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-endpointprop+json
application/alto-endpointpropparams+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/atxml
application/auth-policy+xml
application/bacnet-xdd+zip
application/batch-smtp
application/beep+xml
application/calendar+json
application/calendar+xml
application/call-completion
application/cals-1840
application/cbor
application/ccmp+xml
application/ccxml+xml
application/ccccxml
application/cdix+xml
application/cdmi-capability+cdmia
application/cdmi-container+cdmic
application/cdmi-domin+cdmid
application/jwk-set+json
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-compactpro
application/macwriteii
application/mads+xml
application/marcxml+xml
application/mathematica
application/mathml+xml
application/mathml-content+xml
application/mathml-presentation+xml
application/mbms-associated-procedure-description+xml
application/mbms-deregister+xml
application/mbms-envelope+xml
application/mbms-msk+xml
application/mbms-msk-response+xml
application/mbms-protection-description+xml
application/mbms-reception-report+xml
application/mbms-register+xml
application/mbms-register-response+xml
application/mbms-schedule+xml
application/mbms-user-service-description+xml
application/mbox
application/media-policy-dataset+xml
application/media_control+xml
application/mediaservercontrol+xml
application/merge-patch+json
application/metalink+xml
application/metalink4+xml
application/mets+xml
application/mf4
application/mikey
application/moss-keys
application/moss-signature
application/mosskey-data
application/mosskey-request
application/mp21
application/mpb
application/sep-exi
application/session-info
application/set-payment
application/set-payment-initiation
application/set-registration
application/set-registration-initiation
application/sgml
application/sgml-open-catalog
application/shf+xml
application/sieve
application/simple-filter+xml
application/simple-message-summary
application/simple-symbol-container
application/slate
application/smil
application/smil+xml
application/smpte336m
application/soap+fastinfoset
application/soap+xml
application/sparql-query
application/sparql-results+xml
application/spirt-s-event+xml
application/sql
application/srgsgram
application/srgs+xml
application/sru+xml
application/ssdl+xml
application/ssml+xml
application/tamp-apex-update
application/tamp-apex-update-confirm
application/tamp-community-update
application/tamp-community-update-confirm
application/tamp-error
application/tamp-sequence-adjust
application/tamp-sequence-adjust-confirm
application/tamp-status-query
application/tamp-status-response
application/tamp-update
application/tamp-update-confirm
application/tei+xml
application/thraud+xml
application/timestamp-query
application/timestamp-reply
application/timestamped-data
application/ttml+xml
application/tve-trigger
application/ulpfec
application/urc-grpsheet+xml
application/vnd.verimatrix.vcas
application/vnd.vidsoft.vidconference
application/vnd.visio vsd vst vss vsw
application/vnd.visionary.vis
application/vnd.vividence.scriptfile
application/vnd.vsf vsf
application/vnd.wap.sic
application/vnd.wap.slc
application/vnd.wap.wbxml wbxml
application/vnd.wap.wmlc wmlc
application/vnd.wap.wmlscriptc wmlsc
application/vnd.webturbo wtb
application/vnd.wfa.p2p
application/vnd.wfa.wsc
application/vnd.windows.devicepairing
application/vnd.wmc
application/vnd.wmf.bootstrap
application/vnd.wolfram.mathematica
application/vnd.wolfram.mathematica.package
application/vnd.wolfram.player nbp
application/vnd.wordperfect wpd
application/vnd.wqd
application/vnd.wrq-hp3000-labelled
application/vnd.wt.stf
application/vnd.wv.csp+wbxml
application/vnd.wv.csp+xml
application/vnd.wv.ssp+xml
application/vnd.xacml+json
application/vnd.xara xar
application/vnd.xfdl.xfdl
application/vnd.xfdl.webform
application/vnd.xmi+xml
application/vnd.xmpie.cpkg
application/vnd.xmpie.dpkg
application/vnd.xmpie.plan
application/vnd.xmpie.pkg
application/vnd.xmpie.xlim
application/vnd.yamaha.hv-dichvd
application/vnd.yamaha.hv-scripthvs
application/vnd.yamaha.hv-voicehp
application/vnd.yamaha.openscoreformatsf
application/vnd.yamaha.openscoreformat.osfpvg+xmlosfpvg
application/vnd.yamaha.remote-setup
application/vnd.yamaha.smaf-audiosaf
application/vnd.yamaha.smaf-phrasespaf
application/vnd.yamaha.through-ngn
application/vnd.yamaha.tunnel-udpencap
application/vnd.yaoweme
application/xop+xml
application/xop+xml
application/xslt+xml
application/xslt+xml
application/zip
application/zlib
audio/1d-interleaved-parityfec
audio/3gpp
audio/3gpp2
audio/amr
audio/amr-wb
audio/amr-wb+
audio/aptx
audio/asc
audio/atrac-advanced-lossless
audio/atrac-x
audio/atrac3
audio/basic
audio/bv16
audio/bv32
audio/clearmode
audio/cn
audio/dat12
audio/dls
audio/dsr-es201108
audio/dsr-es202050
audio/dsr-es202211
audio/dsr-es202212
audio/dv
audio/dvi4
audio/eac3
audio/encaprtp
audio/evrc
audio/evrc-qcp
audio/evrc0
audio/evrc1
audio/evrcb
audio/evrcb0
audio/evrcb1
audio/evrcnw
audio/evrcnw0
audio/evrcnw1
audio/evrcwb
audio/evrcwb0
audio/evrcwb1
audio/evs
audio/fwdred
audio/g711-0
audio/g719
audio/g722
audio/g7221
audio/g723
audio/g726-16
audio/g726-24
audio/g726-32
audio/g726-40
audio/g728
audio/g729
audio/g7291
audio/g729d
audio/g729e
audio/gsm
audio/gsm-efr
audio/gsm-hr-08
audio/ilbc
audio/ip-mr_v2.5
audio/isac
audio/l16
audio/l20
audio/l24
audio/l8
audio/lpc
audio/midimid midi kar rmi
audio/mobile-xmf
audio/mp4m4a mp4a
audio/mp4a-latm
audio/mpa
audio/mpa-robust
audio/mpegmpga mp2 mp2a mp3 m2a m3a
audio/mpeg4-generic
audio/musepack
audio/oggoga ogg spx
audio/opus
audio/parityfec
audio/pcma
audio/pcma-wb
audio/pcmu
audio/pcmu-wb
audio/prs.sid
audio/qcelp
audio/raptorfec
audio/red
audio/rtp-enc-aescm128
audio/rtp-midi
audio/rtploopback
audio/rtx
audio/s3ms3m
audio/silksil
audio/smv
audio/smv-qcp
audio/smv0
audio/sp-midi
audio/speex
audio/t140c
audio/t38
audio/telephone-event
audio/tone
audio/uemclip
audio/ulpfec
audio/vdvi
audio/vmr-wb
audio/vnd.3gpp.iufp
audio/vnd.4sb
audio/vnd.audiokoz
audio/vnd.celp
audio/vnd.cisco.nse
audio/vnd.cmles.radio-events
audio/vnd.cns.anp1
audio/vnd.cns.inf1
audio/vnd.dece.audiouva
audio/vnd.digital-windseol
audio/vnd.dlna.adts
audio/vnd.dolby.heaac.1
audio/vnd.dolby.heaac.2
audio/vnd.dolby.mltp
audio/vnd.dolby.mps
audio/vnd.dolby.pl2
audio/vnd.dolby.pl2x
audio/vnd.dolby.pl2z
audio/vnd.dolby.pulse.1
audio/vnd.dradra
audio/vnd.dtsdts
audio/vnd.dts.hdttshd
audio/vnd.dvb.file
audio/vnd.everad.plj
audio/vnd.hns.audio
audio/vnd.lucent.voicelvp
video/mp4
video/mp4v-es
video/mpeg
video/mpg4
video/mpv
video/nv
video/ogg
video/parityfec
video/pointer
video/quicktime
video/rapidvideo
video/raw
video/rtp
video/rtp-enc-aescm128
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video/rtx
video/smpte292m
video/ulpfec
video/vc1
video/vnd.cctv
video/vnd.dece.hd
video/vnd.dece.hd.v2
video/vnd.dece.mpeg4
video/vnd.dece.mp4
video/vnd.dece.mpeg-tts
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video/vnd.dece.sdv
video/vnd.dece.smpte292m
video/vnd.dece.ulpfec
video/vnd.directv.mpeg
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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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)
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clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
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1.1545 metrics-core 2.2.0

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1.1546 hibernate 5.3.20.Final

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DomainDataRegion getRegion() {

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^L

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1.1557 mod-cluster-container-spi 1.4.3.Final

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1.1558 libthai 0.1.28-2

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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  Configuration file converter.
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  Support for multiple configuration files in libsensors.

1.1561 bridgeutils 1,7
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtMethod.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/scopedpool/ScopedClassPool.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ClassMap.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/TypeChecker.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/FieldDecl.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/NestHostAttribute.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/DoubleConst.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/Loader.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtField.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/Metaobject.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/Javac.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/ControlFlow.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/Opcode.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/web/Webserver.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LongVector.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/ProxyObjectOutputStream.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/DeprecatedAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtClass.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/Translator.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/Sample.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/CodeAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/express/NewArray.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/IntConst.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler//ast/NoFieldException.java
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* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/IntegerMemberValue.java
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#
#
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1.1570 taglibs-standard-spec 1.2.6-RC1

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Email local part: ph10
Email domain: cam.ac.uk

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1.1573 hostname 3.20

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Manifest-Version: 1.0
Bnd-LastModified: 1595302282882
Build-Jdk: 1.8.0_162
Built-By: tatu
Bundle-Description: Support for reading and writing CSV-encoded data via Jacksonabstractions.
Bundle-DocURL: https://github.com/FasterXML/jackson-dataformats-text
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Bundle-ManifestVersion: 2
Bundle-Name: Jackson-dataformat-CSV
Bundle-SymbolicName: com.fasterxml.jackson.dataformat.jackson-dataformat-csv
Bundle-Vendor: FasterXML
Bundle-Version: 2.10.5
Created-By: Apache Maven Bundle Plugin
Export-Package: com.fasterxml.jackson.dataformat.csv;version="2.10.5";
uses:="com.fasterxml.jackson.core,com.fasterxml.jackson.core.base,com.fasterxml.jackson.core.formatt...com"
1.1576 ncurses 6.1+20181013 2+deb10u2

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1.1579 wildfly-clustering-web-hotrod

23.0.2.Final

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1.1580 adduser 3.116ubuntu1

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Since Nov 27 1996, it was maintained by Guy Maor <i>maor@debian.org</i>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt <i>rb@debian.org</i>.

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1.1582 cron 3.0pl1 136ubuntu1
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$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp $

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.
You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/manl, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon
Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/INSTALL

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Vixie Cron V3.0
December 27, 1993
[V2.2 was some time in 1992]
[V2.1 was May 29, 1991]
[V2.0 was July 5, 1990]
[V2.0-beta was December 9, 1988]
[V1.0 was May 6, 1987]
Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.
A message is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files
Edit config.h
Edit Makefile
(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)
'make'
'su' and 'make install'
(you may have to install the man pages by hand)
kill your existing cron process
(actually you can run your existing cron if you want, but why?)
built new crontabs using /usr/lib/{crontab,crontab.local}
(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)
start up the new cron
(must be done as root)
watch it. test it with 'crontab -r' and watch the daemon track your changes.
if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp $

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* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/misc.c
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* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.c
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* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.c
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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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as the successor of the GNU Library Public License, version 2, hence
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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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1.1614 zstd-jni 1.4.9-1

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Manifest-Version: 1.0
Automatic-Module-Name: com.github.luben.zstd_jni
Bnd-LastModified: 1615191527618
Bundle-Description: JNI bindings for Zstd native library that provides fast and high compression lossless algorithm for Java and all JVM languages.
Bundle-License: https://opensource.org/licenses/BSD-2-Clause;description=BSD 2-Clause License
Bundle-ManifestVersion: 2
Bundle-Name: zstd-jni
Bundle-NativeCode: aix/ppc64/libzstd-jni.so;osname=AIX;processor=ppc64, darwin/x86_64/libzstd-jni.dylib;osname=MacOS;osname=MacOSX;processor=x86_64, darwin/arm64/libzstd-jni.dylib;osname=MacOS;osname=MacOSX;processor=arm64, freebsd/amd64/libzstd-jni.so;osname=FreeBSD;processor=amd64, freebsd/i386/libzstd-jni.so;osname=FreeBSD;processor=i386, linux/arm64/libzstd-jni.so;osname=Linux;processor=arm64, linux/arm64/libzstd-jni.so;osname=Linux;processor=arm64, linux/arm/libzstd-jni.so;osname=Linux;processor=arm, linux/i386/libzstd-jni.so;osname=Linux;processor=i386, linux/mips64/libzstd-jni.so;osname=Linux;processor=mips64, linux/ppc64/libzstd-jni.so;osname=Linux;processor=ppc64, linux/ppc64le/libzstd-jni.so;osname=Linux;processor=ppc64le, linux/s390x/libzstd-jni.so;osname=Linux;processor=s390x, win/amd64/libzstd-jni.dll;osname=Win32;processor=amd64, win/x86/libzstd-jni.dll;osname=Win32;processor=x86
Bundle-SymbolicName: com.github.luben.zstd-jni
Bundle-Vendor: com.github.luben
Bundle-Version: 1.4.9.1
Created-By: 1.8.0_275 (Debian)
Export-Package: com.github.luben.zstd;version="1.4.9.1",com.github.luben.zstd.util;version="1.4.9.1"
Implementation-Title: zstd-jni
pytest-cov 2.7.1

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

- org.eclipse.jetty.toolchain:jetty-schemas

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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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1.1633 kerberos 1.16-2ubuntu0.2

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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under certain conditions; type `show c' for details.
@end example

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That's all there is to it!

1.1639 libyaml 0.1.7
1.1639.1 Available under license :

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1.1641 healthcheck 1.3.3

1.1641.1 Available under license :

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

Metadata-Version: 1.1
Name: healthcheck
Version: 1.3.3
Summary: Adds healthcheck endpoints to Flask apps
Home-page: https://github.com/Runscope/healthcheck
Author: Frank Stratton
Author-email: frank@runscope.com
License: MIT
Download-URL: https://github.com/Runscope/healthcheck/tarball/1.3.2
Description-Content-Type: UNKNOWN
Description: UNKNOWN
Platform: any
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Framework :: Flask
1.1642 slf4j 1.7.30

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1.1643 tdb 1.44.5

1.1643.1 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>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

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

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(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) $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
$(DESTDIR)$(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 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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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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Theodore Ts'o
23-June-2007

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

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

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Gadi Oxman, August 1995

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Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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lib/hcrypto/test_dh.c

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1.1649 jose-jwt 3.15.1.Final

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/**
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 *
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * <p>Example:</p>
 * <code>String encoded = Base64.encode( myByteArray );</code>
 * <br />
 * <code>byte[] myByteArray = Base64.decode( encoded );</code>
 * <p>
 * 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.</p>
 * <p>
 * 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.</p>
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 `@link #encodeFromFile` 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 `Base64OutputStream` 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 `ClassLoader` when using the `@link #decodeToObject(String, int, ClassLoader)` 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.

- **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).

- **v2.3.1** - Added `@link #encodeBytesToBytes(byte[], int, int, int)` and some similar helper methods to be more efficient with memory by not returning a String but just a byte array.

- **v2.3** - This is not a drop-in replacement! 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.</li>
  * This is to keep in compliance with
  * </li>
  * <li>Throws exceptions instead of returning null values.</li>
  * 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>
  * </ul>
* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
* when using very small files (~<lt; 40 bytes).</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>
    * <li>The default is RFC3548 format.</li>
    * Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
    * URL and file name friendly format as described in Section 4 of RFC3548.
    * http://www.faqs.org/rfcs/rfc3548.html
    * 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/rfccc-1940.html
    * Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new Base64 dialects.
  * </ol>
* 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 (<tt>int</tt>s that you "OR" together).<li>
* <li>v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.<li>
* 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).<li>
* <li>v1.5 - Output stream pases on flush() command but doesn't do anything itself.<li>
* This helps when using GZIP streams.<li>
* Added the ability to GZip-compress objects before encoding them.<li>
* <li>v1.4 - Added helper methods to read/write files.<li>
* <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.<li>
* <li>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.<li>
* <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.<li>
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.<li>
* <ul>
* <p/>
* <p>
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* 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.
* <p>
*/

Found in path(s):
* /opt/cola/permits/1174807358_1624022407.69/0/jose-jwt-3-15-1-final-sources-
jar/org/jboss/resteasy/jose/jws/util/Base64.java

1.1650 glibc 2.28-10

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Name: jtextfsm
Version: 0.3.1
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Home-page: https://github.com/jonathanslenders/textfsm
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# version 0.1
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Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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To: Stephen Frost <sfrost@debian.org>
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* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>, debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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1.1662 libxv 1.0.11-1

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1

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1.1668 flask-injector 0.10.1
1.1668.1 Available under license :

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Found in path(s):
* /opt/cola/permits/1158394701_1619759996.22/0/flask-injector-0-10-1-1-tar-gz/Flask-Injector-0.10.1/flask_injector.py
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Metadata-Version: 1.1
Name: Flask-Injector
Version: 0.10.1
Summary: Adds Injector, a Dependency Injection framework, support to Flask.
Home-page: https://github.com/alecthomas/flask_injector
Author: Alec Thomas
Author-email: alec@swapoff.org
License: BSD
Description-Content-Type: UNKNOWN
Description: Flask-Injector

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

.. image:: https://secure.travis-ci.org/alecthomas/flask_injector.png?branch=master
   :alt: Build status
Add `Injector <https://github.com/alecthomas/injector>`_ support to Flask, this way there's no need to use global Flask objects, which makes testing simpler.

Injector is a dependency-injection framework for Python, inspired by Guice.

Flask-Injector is compatible with CPython 3.3+.
As of version 0.10.0 it requires Injector version 0.12.0 or greater and Flask 0.12.0 or greater.

GitHub project page: https://github.com/alecthomas/flask_injector

PyPI package page: https://pypi.python.org/pypi/Flask-Injector

Changelog: https://github.com/alecthomas/flask_injector/blob/master/CHANGELOG.rst

Features
--------

Flask-Injector lets you inject dependencies into:

* views (functions and class-based)
* `before_request` handlers
* `after_request` handlers
* `teardown_request` handlers
* template context processors
* error handlers
* Jinja environment globals (functions in `app.jinja_env.globals`)
* Flask-RESTFul Resource constructors
* Flask-RestPlus Resource constructors

Flask-Injector supports defining types using function annotations (Python 3), see below.

Example application using Flask-Injector
------------------------------------------

.. code:: python

    import sqlite3
    from flask import Flask, Config
    from flask.views import View
    from flask_injector import FlaskInjector
    from injector import inject

    app = Flask(__name__)
# Configure your application by attaching views, handlers, context processors etc.:

```python
def bar():
    return render("bar.html")
```

```python
# Route with injection

def foo(db: sqlite3.Connection):
    users = db.execute('SELECT * FROM users').all()
    return render("foo.html")
```

```python
# Class-based view with injected constructor

class Waz(View):
    @inject
    def __init__(self, db: sqlite3.Connection):
        self.db = db

    def dispatch_request(self, key):
        users = self.db.execute('SELECT * FROM users WHERE name=?', (key,)).all()
        return 'waz'
```

```python
app.add_url_rule('/waz/<key>', view_func=Waz.as_view('waz'))
```

```
# In the Injector world, all dependency configuration and initialization is
# performed in modules (http://packages.python.org/injector/#module). The
# same is true with Flask-Injector. You can see some examples of configuring
# Flask extensions through modules below.

# Accordingly, the next step is to create modules for any objects we want made
# available to the application. Note that in this example we also use the
# Injector to gain access to the `flask.Config`:

def configure(binder):
    binder.bind(
        sqlite3.Connection,
        to=sqlite3.Connection(':memory:'),
        scope=request,
    )

# Initialize Flask-Injector. This needs to be run *after* you attached all
# views, handlers, context processors and template globals.

FlaskInjector(app=app, modules=[configure])
```
# All that remains is to run the application

app.run()

See `example.py` for a more complete example, including `Flask-SQLAlchemy` and `Flask-Cache` integration.

Supporting Flask Extensions
---------------------------

Typically, Flask extensions are initialized at the global scope using a pattern similar to the following.

```python
.. code:: python

    app = Flask(__name__)
    ext = ExtClass(app)

    @app.route(…)
    def view():
        # Use ext object here...
```

As we don't have these globals with Flask-Injector we have to configure the extension the Injector way - through modules. Modules can either be subclasses of `injector.Module` or a callable taking an `injector.Binder` instance.

```python
.. code:: python

    from injector import Module

    class MyModule(Module):
        @provider
        @singleton
        def provide_ext(self, app: Flask) -> ExtClass:
            return ExtClass(app)

    def main():
        app = Flask(__name__)
        app.config.update(
            EXT_CONFIG_VAR='some_value',
        )

        # attach your views etc. here

        FlaskInjector(app=app, modules=[MyModule])

        app.run()
    ```
*Make sure to bind extension objects as singletons.*

Keywords: Dependency Injection, Flask
Platform: any
Classifier: Development Status :: 5 - Production/ Stable
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: Implementation :: CPython

Found in path(s):
* /opt/cola/permits/1158394701_1619759996.22/0/flask-injector-0-10-1-1-tar-gz/Flask-Injector-0.10.1/PKG-INFO
* /opt/cola/permits/1158394701_1619759996.22/0/flask-injector-0-10-1-1-tar-gz/Flask_Injector-0.10.1/Flask_Injector.egg-info/PKG-INFO

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* /opt/cola/permits/1158394701_1619759996.22/0/flask-injector-0-10-1-1-tar-gz/Flask-Injector-0.10.1/setup.py

1.1669 ssl-client 1.31.1-r16

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* /opt/cola/permits/1177937262_1625568439.63/0/accessors-smart-1-2-sources-5-jar/net/minidev/asm/DynamicClassLoader.java
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1.1676 debianutils 4.9.1

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Glenn Randers-Pehrson
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<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.

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

That's all there is to it!
// This file was generated by gir (https://github.com/gtk-rs/gir)
// from gir-files (https://github.com/gtk-rs/gir-files)
// DO NOT EDIT

use Cancellable;
use Error;
use ffi;
use glib;
use glib::object::Downcast;
use glib::object::IsA;
use glib::signal::SignalHandlerId;
use glib::signal::connect;
use glib::translate::*;
use glib ffi;
use gobject ffi;
use std::boxed::Box as Box_;
use std::mem;
use std::mem::transmute;
use std::ptr;

glib_wrapper! {  
    pub struct Permission(Object<ffi::GPermission, ffi::GPermissionClass>);

    match fn {
        get_type => || ffi::g_permission_get_type(),
    }
}

pub trait PermissionExt {
    fn acquire<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error>;

    fn acquire_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q);

    fn get_allowed(&self) -> bool;

    fn get_can_acquire(&self) -> bool;

    fn get_can_release(&self) -> bool;

    fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool);

    fn release<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error>;

    fn release_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q);

    fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

    fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

    fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;
}

impl<O: IsA<Permission> + IsA<glib::object::Object>> PermissionExt for O {
    fn acquire<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error> {
        let cancellable = cancellable.into();
        let cancellable = cancellable.to_glib_none();
        unsafe {
            let mut error = ptr::null_mut();
            let _ = ffi::g_permission_acquire(self.to_glib_none().0, cancellable.0, &mut error);
            if error.is_null() {
                Ok(())
            } else {
                Err(from_glib_full(error))
            }
        }
    }

    fn acquire_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self,
cancellable: P, callback: Q) {
    let cancellable = cancellable.into();
    let cancellable = cancellable.to_glib_none();
    let user_data: Box<Box<Q>> = Box::new(Box::new(callback));
    unsafe extern "C" fn acquire_async_trampoline<Q: FnOnce(Result<(), Error>) + Send +
    'static>(_source_object: *mut gobject_ffi::GObject, res: *mut ffi::GAsyncResult, user_data: glib_ffi::gpointer) {
        callback_guard!();
        let mut error = ptr::null_mut();
        let _ = ffi::g_permission_acquire_finish(_source_object as *mut _, res, &mut error);
        let result = if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) };
        let callback: Box<Box<Q>> = Box::from_raw(user_data as *mut _);
        callback(result);
    }
    let callback = acquire_async_trampoline::<Q>;
    unsafe {
        ffi::g_permission_acquire_async(self.to_glib_none().0, cancellable.0, Some(callback),
        Box::into_raw(user_data) as *mut _);
    }
}

fn get_allowed(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_allowed(self.to_glib_none().0))
    }
}

fn get_can_acquire(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_can_acquire(self.to_glib_none().0))
    }
}

fn get_can_release(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_can_release(self.to_glib_none().0))
    }
}

fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool) {
    unsafe {
        ffi::g_permission_impl_update(self.to_glib_none().0, allowed.to_glib(), can_acquire.to_glib(),
        can_release.to_glib());
    }
}

fn release<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error> {
    let cancellable = cancellable.into();
let cancellable = cancellable.to_glib_none();
unsafe {
    let mut error = ptr::null_mut();
    let _ = ffi::g_permission_release(self.to_glib_none().0, cancellable.0, &mut error);
    if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) }
}
}

fn release_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q) {
    let cancellable = cancellable.into();
    let cancellable = cancellable.to_glib_none();
    let user_data: Box<Box<Q>> = Box::new(Box::new(callback));
    unsafe extern "C" fn release_async_trampoline<Q: FnOnce(Result<(), Error>) + Send + 'static>(
        _source_object: *mut gobject_ffi::GObject, res: *mut ffi::GAsyncResult, user_data: glib_ffi::gpointer) {
        callback_guard!();
        let mut error = ptr::null_mut();
        let result = if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) };
        let callback: Box<Box<Q>> = Box::from_raw(user_data as *mut _);
        callback(result);
    }
    let callback = release_async_trampoline::<Q>
    unsafe {
        ffi::g_permission_release_async(self.to_glib_none().0, cancellable.0, Some(callback), Box::into_raw(user_data) as *mut _);
    }
}

fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<Box_<Box_<Fn(&Self) + 'static>>> = Box_<::new(Box_<::new(f)));
        connect(self.to_glib_none().0, "notify::allowed",
            transmute(notify_allowed_trampoline::<Self> as usize), Box_<::into_raw(f) as *mut _)
    }
}

fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box_<Box_<Box_<Fn(&Self) + 'static>>> = Box_<::new(Box_<::new(f)));
        connect(self.to_glib_none().0, "notify::can-acquire",
            transmute(notify_can_acquire_trampoline::<Self> as usize), Box_<::into_raw(f) as *mut _)
    }
}

fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {

let f: Box_<Box_<Fn(&Self) + 'static>> = Box_::new(Box_::new(f));
connect(self.to_glib_none().0, "notify::can-release",
    transmute(notify_can_release_trampoline::<Self> as usize), Box_::into_raw(f) as *mut _)
}
}
}

unsafe extern "C" fn notify_allowed_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib ffi::gpointer, f: glib ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &&(Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

unsafe extern "C" fn notify_can_acquire_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib ffi::gpointer, f: glib ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &&(Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

unsafe extern "C" fn notify_can_release_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib ffi::gpointer, f: glib ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &&(Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

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1.1693 python-certifi 2021.5.30

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

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

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict 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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**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

^L

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 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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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

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

-- Nathan
=20
------------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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

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

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... i didnt 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= eir
applications are also GPL-2 which imo is just wrong. it isnt the place of = a
library to dictact to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.
=2D

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
> 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
> GPL-2 ... it was a modified artistic license ... i didnt notice the
license
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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 isnt the
place of a
> library to dictact to application writes what license they should
be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....
My apologies for not chiming in in anything resembling a reasonable timeframe.

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> >> Seems like the ideal thing here would be for you and the other distro
> >> maintainers to get together with Alec in a conversation and come to a
> >> decision as to what licensing scheme y'all want. I haven't really done
> >> much other than cleaning up the packaging and patches and a small
> >> bit of
> >> additional code, so whatever licensing y'all come up with is fine
> >> by me.
> >>
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...
> >
> > My apologies for not chiming in in anything resembling a reasonable
> > timeframe.
> >
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> >
> In any case, I thank you both for working on sorting this out.

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

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
> >
> > yes. go for it. thanks++

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

----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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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 I91Gxptr020623
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] (helol=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
   id HcOcX-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: <1bb36fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
   <EC90713277D2BE41B710CCCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
   <1bb36fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBEFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license

Open Source Used In Branch Migration Tool 1.9  16462
> To: alecm@crypto.dircon.co.uk
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > ideal.

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

Happy now? :-)

-a

1.1701 pam 1.1.8-3.6ubuntu2.18.04.3

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the
user logs in, and set a flag in the user's homedir if possible to prevent
repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
    close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd))
+            {
+                pam_syslog(pamh, LOG_ERR,
+                           "Unable to change UID to %d temporarily\n",
+                           pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+        }
+    }
+}
+ } 

+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir) 
+ goto finished; 
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag) 
+ goto finished; 
+ 
+ if (stat(flag, &s) != 0) 
+ { 
+ display_file(pamh, "/etc/legal"); 
+ mkdir(dir, 0700); 
+ f = open(flag, O_WRONLY|O_CREAT|O_EXCL, 
+ S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH); 
+ if (f>=0) close(f); 
+ } 
+
+ finished: 
+ if (pam_modutil_regain_priv(pamh, &privs)) { 
+ pam_syslog(pamh, LOG_ERR, 
+ "Unable to change UID back to \%d\n", privs.old_uid); 
+ retval = PAM_SESSION_ERR; 
+ } 
+
+ _pam_drop(flag); 
+ _pam_drop(dir); 
+ } 
+ } 
+ return retval; 
+
+ PAM_EXTERN 
int pam_sm_open_session(pam_handle_t *pamh, int flags, 
int argc, const char **argv) 
@@ -116,6 +171,9 @@ 
 /* Display the updated motd */ 
 display_file(pamh, motd_path); 
 
+ /* Display the legal disclaimer only if necessary */ 
+ retval = display_legal(pamh); 
+ return retval; 
} 

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.1702 artemis-selector 2.16.0

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1.1703 sharpziplib 1.0.0

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1.1704 coreos-semver 0.2.0

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<?xml version="1.0"?><xsl:stylesheet version="1.0"
   xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:param name="version"/>
  <xsl:param name="product.release.name"/>
  <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '" />
  <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'">
  <xsl:template match="/">
    <html>
      <head>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
        <link rel="stylesheet" type="text/css" href="licenses.css"/>
      </head>
      <body>
        <h2><xsl:value-of select="$product.release.name"/> - Servlet Feature Pack</h2>
        <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
        <!-- Read matching templates -->
      </body>
    </html>
  </xsl:template>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It’s usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/[saml-adapters,adapters]/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.
Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
</dependency>
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
</dependency>
```

and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
</other>
```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```bash
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)
Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
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The XSLT code is used to generate an HTML document that lists the package groups, package artifacts, package versions, remote licenses, and local licenses.
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<th>Locations</th>
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<td>(locations/archive)</td>
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"test": "nyc mocha 'test/**/*.{ts,js}'",
"types": "tsc",
"verify": "npm-run-all lint types test"
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"lint-staged": {
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  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
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- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

```
`<major>..<minor>..<patch>`
```

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author

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- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component

To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

"FortAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:
$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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1.1713 lib-pq 13.5-r0
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//go:build go1.10
// +build go1.10

package pq
Open Source Used In Branch Migration Tool 1.9

```go
import {
    "context"
    "database/sql/driver"
}

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
// on it.

type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
```
// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.1714 xorg 7.7+19

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Source Package: xorg
Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.1715 tini 0.19.0-r0

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1.1716 wildfly-controller-client 15.0.1.Final

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1.1719 su-exec 0.2-r1

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Julian Seward, jseward@acm.org
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1.1726 cyrus-sasl 2.1.26.dfsg1-13+deb8u1

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 * Rob Earhart
 * Rob Siemborski
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1.1727 libmnl 1.0.4-2

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1.1728 gopkg-in/ldap 3.0.3

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1.1729 toml 0.10.0

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1.1730 tomcat-jdbc 9.0.43

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1.1731 metrics 2.2.0

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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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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NR   START   END   SECTORS   SIZE   NAME  UUID
    1   32    7679    7648 3.7M      8f8378c0-01
    2  7680 16383    8704 4.3M      8f8378c0-02
    5  7936 12799    4864 2.4M
    6 12544 16127    3584 1.8M

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1.1753 javax-ws-rs-api 2.1.1

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* https://github.com/eclipse-ee4j/jms-api

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* */
/**
* A set of interfaces for programmable models and their helper classes,
* many derived from Swagger Core library. These interfaces can be used to
* define OpenAPI document programmatically.
* <p>
* The behaviour of methods inherited from java.lang.Object are undefined by the MicroProfile OpenAPI
* specification.
* <p>
* Example:
* <pre>
* public class MyOASModelReaderImpl implements OASModelReader {
* *
*  {@literal @}Override
*  public OpenAPI buildModel() {
*      return OASFactory.createObject(OpenAPI.class)
*      .info(OASFactory.createObject(Info.class)
*          .title("AirlinesRatingApp API")
*          .version("1.0")
*          .termsOfService("http://airlinesratingapp.com/terms")
*          .contact(OASFactory.createObject(Contact.class)
*              .name("AirlinesRatingApp API Support")
*              .url("http://exampleurl.com/contact")
*              .email("techsupport{literal @}airlinesratingapp.com")
*          ).license(OASFactory.createObject(License.class)
*              .name("Apache 2.0")
*              .url("http://www.apache.org/licenses/LICENSE-2.0.html"))
*  }
* }</pre>
*/

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 * A set of interfaces of programmable models to represent metadata about the API,
 * including license information and contact information of the exposed API.
 * <p>
 * The behaviour of methods inherited from java.lang.Object are undefined by the MicroProfile OpenAPI
 * specification.
 * <p>
 * Example:
 * <pre>
 * public class MyOASModelReaderImpl implements OASModelReader {
 *
* {@literal @}Override
* public OpenAPI buildModel() {
*     return OASFactory.createObject(OpenAPI.class)
*     .info(OASFactory.createObject(Info.class)
*         .title("AirlinesRatingApp API")
*         .version("1.0")
*         .termsOfService("http://airlinesratingapp.com/terms")
*         .contact(OASFactory.createObject(Contact.class)
*             .name("AirlinesRatingApp API Support")
*             .url("http://exampleurl.com/contact")
*             .email("techsupport{@literal @}airlinesratingapp.com")
*         .license(OASFactory.createObject(License.class)
*             .name("Apache 2.0")
*             .url("http://www.apache.org/licenses/LICENSE-2.0.html")))
* }*
* </pre>
*/

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jar/org/eclipse/microprofile/openapi/models/ExternalDocumentation.java
* /opt/cola/permits/1174808369_1624022376.67/0/microprofile-openapi-api-2-0-sources-
jar/org/eclipse/microprofile/openapi/models/security/SectorScheme.java
* /opt/cola/permits/1174808369_1624022376.67/0/microprofile-openapi-api-2-0-sources-
jar/org/eclipse/microprofile/openapi/annotations/media/DiscriminatorMapping.java
* /opt/cola/permits/1174808369_1624022376.67/0/microprofile-openapi-api-2-0-sources-
jar/org/eclipse/microprofile/openapi/annotations/info/Info.java
* /opt/cola/permits/1174808369_1624022376.67/0/microprofile-openapi-api-2-0-sources-
jar/org/eclipse/microprofile/openapi/annotations/extensions/Extension.java
* /opt/cola/permits/1174808369_1624022376.67/0/microprofile-openapi-api-2-0-sources-
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* /opt/cola/permits/1174808369_1624022376.67/0/microprofile-openapi-api-2-0-sources-
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jar/org/eclipse/microprofile/openapi/annotations/media/Content.java

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 * */

/**
 * A set of annotations to represent metadata about the API, including license information and contact information of the exposed API.
 * <p>
 * Example usage:
 * <pre>
 * [@literal @}ApplicationPath("/")
 * [@literal @}OpenAPIDefinition(
 *   info = [@literal @}Info(
 *     title="AirlinesRatingApp API",
 *     version = "1.0",
 *     termsOfService = "http://airlinesratingapp.com/terms",
 *     contact = [@literal @}Contact(
 *       name = "AirlinesRatingApp API Support",
 *       url = "http://exampleurl.com/contact",
 *       email = "techsupport@airlinesratingapp.com"),
 *     license = [@literal @}License(
 *       name = "Apache 2.0",
 *     )
 *   )
 * )
 * </pre>
 */
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`ironjacamar-validator 1.4.27.Final`

`lib-pq 13.4-r0`
c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler on it.
type NoticeHandlerConnector struct {
driver.Connector
noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
c, err := n.Connector.Connect(ctx)
if err == nil {
SetNoticeHandler(c, n.noticeHandler)
}
return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If the given connector is not a result of ConnectorWithNoticeHandler, nil is returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
if c, ok := c.(*NoticeHandlerConnector); ok {
return c.noticeHandler
}
return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given connector. If the given connector is a result of calling this function previously, it is simply set on the given connector and returned. Otherwise, this returns a new connector wrapping the given one and setting the notice handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
if c, ok := c.(*NoticeHandlerConnector); ok {
c.noticeHandler = handler
return c
}
return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
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1.1760 libpwquality1 1.4.2-1build1

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1.1767 base-files 10.1ubuntu2.10

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

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1.1780 camunda-engine-feel-api 7.15.0

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1.1805 importlib-resources 5.4.0

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[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
Open Source Used In Branch Migration Tool 1.9

project_urls =
Donate = https://palletsprojects.com/donate
Documentation = https://jinja.palletsprojects.com/
Changes = https://jinja.palletsprojects.com/changes/
Source Code = https://github.com/pallets/jinja/
Issue Tracker = https://github.com/pallets/jinja/issues/
Twitter = https://twitter.com/PalletsTeam
Chat = https://discord.gg/pallets
license = BSD-3-Clause
license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A very fast and expressive template engine.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
Development Status :: 5 - Production/Stable
Environment :: Web Environment
Intended Audience :: Developers
License :: OSI Approved :: BSD License
Operating System :: OS Independent
Programming Language :: Python
Topic :: Internet :: WWW/HTTP :: Dynamic Content
Topic :: Text Processing :: Markup :: HTML

[options]
packages = find:
    package_dir = = src
    include_package_data = true
    python_requires = >= 3.6

[options.packages.find]
where = src

[options.entry_points]
babel.extractors =
    jinja2 = jinja2.ext:babel_extract[i18n]

[tool:pytest]
testpaths = tests
    filterwarnings =
        error
    ignore:The loop argument:DeprecationWarning:asyncio[.]base_events:542

[coverage:run]
branch = True
source = jinja2
tests

[coverage:paths]
source =
src
*/site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401

[mypy]
files = src/jinja2
python_version = 3.6
Disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

[mypy-jinja2.defaults]
no_implicit_reexport = False

[mypy-markupsafe]
no_implicit_reexport = False

[egg_info]
tag_build =
tag_date = 0

Found in path(s):
Jinja

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja’s philosophy is that while application logic belongs in Python if possible, it shouldn’t make the template designer’s job difficult by restricting functionality too much.

Installing
----------

Install and update using `pip`:

.. code-block:: text

    $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
    <ul>
    {% for user in users %}
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
    {% endfor %}
    </ul>
    {% endblock %}

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------

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Links
-----

- Documentation: https://jinja.palletsprojects.com/
- Changes: https://jinja.palletsprojects.com/changes/
- PyPI Releases: https://pypi.org/project/Jinja2/
- Source Code: https://github.com/pallets/jinja/
- Issue Tracker: https://github.com/pallets/jinja/issues/
- Website: https://palletsprojects.com/p/jinja/
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* /opt/cola/permits/1226358395_1636965021.11/0/jinja2-3.0.3-tar-gz/Jinja2-3.0.3/PKG-INFO

1.1807 file 5.35-4+deb10u2

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```
cmd/krb5/iprop/iprop.x
(cmd/krb5/iprop/iprop_hdr.h
(cmd/krb5/kadmin/server/ipropd_svc.c
(cmd/krb5/kproplog/kproplog.c
(cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
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
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.1825 gorilla 1.2.0

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- web-app_3_0.xsd
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- web-fragment_3_0.xsd
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- javae_web_services_1_4.xsd
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regenerator-runtime@0.10.5
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# regenerator-runtime

Standalone runtime for
[Regenerator](https://github.com/facebook/regenerator)-compiled generator
and `async` functions.

To import the runtime as a module (recommended), either of the following import styles will work:
```js
// CommonJS
const regeneratorRuntime = require("regenerator-runtime");

// ECMAScript 2015
import regeneratorRuntime from "regenerator-runtime";
```

To ensure that `regeneratorRuntime` is defined globally, either of the following styles will work:
```js
// CommonJS
require("regenerator-runtime/runtime");

// ECMAScript 2015
import "regenerator-runtime/runtime";
```

To get the absolute file system path of `runtime.js`, evaluate the following expression:
```js
```
require("regenerator-runtime/path").path
```
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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)
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The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
 analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
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

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/fi/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
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in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
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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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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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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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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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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.

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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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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.

@heading TERMS AND CONDITIONS

@enumerate 0
@item 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.

@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 
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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.

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work.

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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:

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@item
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@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''.

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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.

@item
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.
@end enumerate

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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:

@enumerate a
@item
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.
@end item

@item
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
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@item
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@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.

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
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DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources- jar/io/undertow/servlet/handlers/RedirectDirHandler.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.
 */

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*/
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/core/DeploymentManagerImpl.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/spec/PartImpl.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/attribute/ServletRequestParameterAttribute.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/api/DeploymentInfo.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/core/ServletUpgradeListener.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/api/TransportGuaranteeType.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/api/ServletDispatcher.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/api/ListenerInfo.java

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* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/spec/ServletRegistrationImpl.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/predicate/DispatcherTypePredicate.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/handlers/ServletDispatchingHandler.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/core/ApplicationListeners.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/util/ImmediateInstanceHandle.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/api/DefaultServletConfig.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/api/MimeMapping.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/attribute/ServletNameAttribute.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/spec/PushBuilderImpl.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/handlers/MarkSecureHandler.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/core/BlockingWriterSenderImpl.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/core/ManagedFilter.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-jar/io/undertow/servlet/compat/rewrite/RewriteConfig.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/handlers/security/SecurityPathMatch.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/sses/ServerSentEvent.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/api/ServletContainer.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/api/Deployment.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/core/ContextClassLoaderSetupAction.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/api/SessionManagerFactory.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/api/LoginConfig.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/rewrite/Substitution.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/spec/ServletInputStreamImpl.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/handlers/security/CachedAuthenticatedSessionHandler.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/attribute/ServletSessionAttribute.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/core/SecurityActions.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/api/FilterMappingInfo.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/handlers/ServletPathMatch.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/core/DefaultAuthorizationManager.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/attribute/ServletRequestedSessionIdFromCookieAttribute.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/predicate/DirectoryPredicate.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/util/ConstructorInstanceFactory.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/spec/ServletPrintWriter.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/compat/rewrite/RewriteHandler.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/spec/ServletPrintWriterDelegate.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/core/InMemorySessionManagerFactory.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/handlers/CrawlerSessionManagerHandler.java
* /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2.2.5-final-sources-jar/io/undertow/servlet/handlers/FilterHandler.java
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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();

Found in path(s):
  * /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-
    jar/io/undertow/servlet/UndertowServletMessages_$bundle.java
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  * /opt/cola/permits/1174808512_1624022696.83/0/undertow-servlet-2-2-5-final-sources-
    jar/io/undertow/servlet/handlers/SendErrorPageHandler.java

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[Home](./index.md) > [puppeteer](./puppeteer.md) > [Permission](./puppeteer.permission.md)

## Permission type

```typescript
export declare type Permission = 'geolocation' | 'midi' | 'notifications' | 'camera' | 'microphone' | 'background-sync' | 'ambient-light-sensor' | 'accelerometer' | 'gyroscope' | 'magnetometer' | 'accessibility-events' | 'clipboard-read' | 'clipboard-write' | 'payment-handler' | 'idle-detection' | 'midi-sysex';
```

1.1836 camunda-engine-feel-scala 7.15.0

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*/

Found in path(s):
* /opt/cola/permits/1171059823_1622804532.68/0/camunda-engine-feel-scala-7-15-0-sources-jar/org/camunda/bpm/dmn/feel/impl/scala/function/FeelCustomFunctionProvider.java
* /opt/cola/permits/1171059823_1622804532.68/0/camunda-engine-feel-scala-7-15-0-sources-jar/org/camunda/bpm/dmn/feel/impl/scala/function/CustomFunctionTransformer.java
* /opt/cola/permits/1171059823_1622804532.68/0/camunda-engine-feel-scala-7-15-0-sources-jar/org/camunda/bpm/dmn/feel/impl/scala/ScalaFeelLogger.java
* /opt/cola/permits/1171059823_1622804532.68/0/camunda-engine-feel-scala-7-15-0-sources-jar/org/camunda/bpm/dmn/feel/impl/scala/ScalaFeelEngine.java
* /opt/cola/permits/1171059823_1622804532.68/0/camunda-engine-feel-scala-7-15-0-sources-jar/org/camunda/bpm/dmn/feel/impl/scala/function/CustomFunction.java

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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Name: pyasn1
Version: 0.4.8
Summary: ASN.1 types and codecs
Home-page: https://github.com/etingof/pyasn1
Author: Ilya Etingof
Author-email: etingof@gmail.com
Maintainer: Ilya Etingof <etingof@gmail.com>
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Description: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
Platform: any
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Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on [ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

### Features

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.7
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python
prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id        INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```bash

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
  componentType = NamedTypes(
    NamedType('id', Integer()),
    OptionalNamedType(
      'room', Integer().subtype(
        implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
      )
    ),
    DefaultedNamedType(
      'house', Integer(0).subtype(
        implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
      )
    )
  )
```python

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```
```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
```
id=123
room=321

>>>...

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>> for field in received_record:
...    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 41
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```
Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the documentation, compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules repo.

How to get pyasn1
-----------------
The pyasn1 package is distributed under terms and conditions of 2-clause BSD license. Source code is freely available as a GitHub repo. You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, open an issue at GitHub or post your question on Stack Overflow or try browsing pyasn1 mailing list archives.

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Found in path(s):
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4.8-tar-gz/pyasn1-0.4.8/README.md
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* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/codec/ber/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/test_debug.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/dateandtime.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/codec/ber/test_encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/native/encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/integer.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/namedval.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/constraint.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/base.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/type/test_namedval.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/base.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/debug.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_integer.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/cer/decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_octets.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/eoo.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_octets.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/integer.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/type/test_opentype.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/useful.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/tests/type/test_useful.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/cer/test_decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/eoo.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/integer.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/decoder.py
Abstract Syntax Notation One (ASN.1) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.org/project/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1
--------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application...
and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <https://news.ycombinator.com/item?id=8871453> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>` or `FlatBuffers <https://google.github.io/flatbuffers/>`, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* **Data types:** the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* **Serialisation protocols:** the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* **Schema language:** ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

**ASN.1 applications**

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)
ASN.1 gotchas
-------------

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the statistics on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation
-------------

.. toctree::
   :maxdepth: 2

   /pyasn1/contents

Use case
--------

.. toctree::
   :maxdepth: 2

   /example-use-case

Download & Install
------------------

.. toctree::
   :maxdepth: 2

   /download

Changes
-------

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

.. toctree::
   :maxdepth: 1

   /changelog
License
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Getting help
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Books on ASN.1
---------------

The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

Found in path(s):
* `/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4.8.tar-gz/pyasn1-0.4.8/docs/source/contents.rst`
1.1843 jaxws-undertow-httpspi 1.0.1.Final
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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

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.
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
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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1.1845 resteasy-rxjava2 3.15.1.Final

1.1845.1 Available under license :
Apache-2.0

1.1846 gnupg 2.2.19 3ubuntu2.1

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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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.

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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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1.1858 coverage 6.0.2

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1.1859 base-passwd 3.5.44

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    <xsl:otherwise>
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        </xsl:call-template>
      </xsl:variable>
      <a href="{$filename}">name</a><br/>
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  </xsl:choose>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumberance for the users or developers of Keycloak.
## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- the server, modify `/distribution/feature-packs/server-feature-pack/src/main/resources/licenses/rh-sso/license.xml`
- an adapter, modify `/distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `/distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```
```
<licenses>
    <license>
        <name>BSD 3-clause New or Revised License</name>
    </license>
</licenses>
```

and non-maven dependencies:

```
```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>
<other>
    <description>AngularJS</description>
    <locations>
        <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
        </license>
    </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```
The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `.button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)
Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).

Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered

with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author

- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component

To include as a [component](http://github.com/component/component), just run

```bash
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*
```
to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```bash
$ bundle install
$ npm install
```

Build the project and documentation:

```bash
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```bash
$ bundle exec jekyll -w serve
```

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

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  xsl stylesheets, copyright Rick Jelliffe and Academia Sinica Computing
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1.1885 ntc-templates 2.0.0
1.1885.1 Available under license:

Value FEATURE (S+)
Value PERIOD_LEFT (.*)
Value PERIOD_USED (.*)
Value LICENSE_TYPE (.*)
Value LICENSE_STATE (.*)
Value LICENSE_COUNT (.*)
Value LICENSE_PRIORITY (.*)

Start

^Index\s+\d+\s+Feature: -> Continue.Record
^Index\s+\d+\s+Feature:\s+{FEATURE}\s+$$
^\s+Period\s+left:\s+{PERIOD_LEFT}$$
^\s+Period\s+Used:\s+{PERIOD_USED}$$
^\s+License\s+Type:\s+{LICENSE_TYPE}$$
^\s+License\s+State:\s+{LICENSE_STATE}$$
^\s+License\s+Count:\s+{LICENSE_COUNT}$$
^\s+License\s+Priority:\s+{LICENSE_PRIORITY}$$
^\s+$$
^\s*. -> Error
Value SMART_STATUS (.+?)
Value REGISTRATION_STATUS (.+?)
Value SMART_ACCOUNT (.+?)
Value VIRTUAL_ACCOUNT (.+?)
Value EXPORT_CONTROLLED (.+?)
Value REGISTRATION_INITIAL_STATUS (.+?)
Value REGISTRATION_INITIAL_DATE (.+?)
Value REGISTRATION_LAST_RENEWAL (.+?)
Value REGISTRATION_LAST_RENEWAL_DATE (.+?)
Value REGISTRATION_LAST_RENEWAL_ERROR (.+?)
Value REGISTRATION_NEXT_RENEWAL_DATE (.+?)
Value REGISTRATION_EXPIRATION_DATE (.+?)
Value AUTH_STATUS (.+?)
Value AUTH_DATE (.+?)
Value EVAL_REMAINING (.+?)
Value AUTH_LAST_COMMUNICATION (.+?)
Value AUTH_LAST_COMMUNICATION_DATE (.+?)
Value AUTH_FAIL_ERROR (.+?)
Value AUTH_NEXT_COMMUNICATION_DATE (.+?)
Value AUTH_DEADLINE (.+?)
Value LICENSE (S.*?)
Value LICENSE_PID (S+?)
Value LICENSE_DESCRIPTION (.+?)
Value LICENSE_COUNT (\d+)
Value LICENSE_VERSION (S+?)
Value LICENSE_STATUS (.+?)
Value PID (.+?)
Value SN (.+?)
Value SMART_AGENT_VERSION (.+?)

Start
^\s*$$
^Smart\s+Licensing\s+Status
^Smart\s+Licensing\s+is\s+${SMART_STATUS}\s*$$
^Registration:\s*$$ -> REGISTRATION
^License\s+Authorization:\s*$$ -> AUTHORIZATION
^License\s+Usage\s*$$ -> LICENSE_USAGE
^Product\s+Information\s*$$ -> PRODUCT_INFORMATION
^Agent\s+Version\s*$$ -> AGENT_VERSION
^=+\s*$$
^=+ \s+Error

REGISTRATION
^\s*$$
^\s+Status:\s+${REGISTRATION_STATUS}\s*$$
^\s+Smart\s+Account:\s+${SMART_ACCOUNT}\s*$$
^\s+Virtual\s+Account:\s+${VIRTUAL_ACCOUNT}\s*$$
^\s+Export-Controlled\s+Functionality:\s+${EXPORT_CONTROLLED}\s*$$
^\s+Initial\s+Registration:\s+${REGISTRATION_INITIAL_STATUS}\s+${REGISTRATION_INITIAL_DATE}\s+$$
^\s+Last\s+Renewal\s+Attempt:\s+${REGISTRATION_LAST_RENEWAL}\s+${REGISTRATION_LAST_RENEWAL_ERROR}\s*$$
^\s+Next\s+Renewal\s+Attempt:\s+${REGISTRATION_NEXT_RENEWAL}\s+$$
^\s+Registration\s+Expires:\s+${REGISTRATION_EXPIRATION_DATE}\s*$$
^License\s+Authorization:\s+$$ -> AUTHORIZATION
^License\s+Usage\s+$$ -> LICENSE_USAGE
^Product\s+Information\s+$$ -> PRODUCT_INFORMATION
^Agent\s+Version\s+$$ -> AGENT_VERSION
^Smart\s+Licensing\s+is\s+${SMART_STATUS}\s*$$
^Registration:\s+$$ -> REGISTRATION
Open Source Used In Branch Migration Tool 1.9 18061
AGENT_VERSION
^\s*$$
^Smart\+Agent\+for\+Licensing:^\s+${SMART_AGENT_VERSION}\s*$$
^Smart\+Licensing:^\s+${SMART_STATUS}\s*$$
^Registration:^\s+ -> REGISTRATION
^License\+Authorization:^\s+ -> AUTHORIZATION
^License\+Usage:^\s+ -> LICENSE_USAGE
^Product\+Information:^\s+ -> PRODUCT_INFORMATION
^Agent\+Version:^\s+ -> AGENT_VERSION
^=+\s*$$
^.- -> Error
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Network to Code, LLC

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Value FEATURE (\S+)
Value INSTALLED (Yes|No)
Value LICENSE_COUNT (\d+|-)
Value STATUS (Unused|In use)
Value EXPIRY_DATE (\S+|\s*?)
Value COMMENTS (.+)

Start
^Feature\s+Installed\s+License\s+Status\s+Expiry\s+Date\s+Comments -> Begin
^\s*$$
^. -> Error

Begin
^\s+Count
^$(FEATURE)\s+${INSTALLED}\s+${LICENSE_COUNT}\s+${STATUS}\s+?${EXPIRY_DATE}\s+${COMMENTS}\s*$$ -> Record
^\s*$$
^\s*$$
^. -> Error
---
parsed_sample:
- smart_status: "ENABLED"
registration_status: "REGISTERED"
smart_account: "COMPANY LLC"
virtual_account: "Company LLC"
export_controlled: "Allowed"
registration_initial_status: "SUCCEEDED"
registration_initial_date: "Dec 03 16:43:48 2018 UTC"
registration_last_renewal: "FAILED"
registration_last_renewal_date: "Dec 03 18:40:22 2018 UTC"
registration_last_renewal_error: "Communication message send error"
registration_next_renewal_date: "Dec 03 18:56:01 2018 UTC"
registration_expiration_date: "Dec 03 16:37:44 2019 UTC"
eval_remaining: ""
auth_status: "AUTHORIZED"
auth_date: "Dec 03 18:40:28 2018 UTC"
auth_last_communication: "FAILED"
auth_last_communication_date: "Dec 03 18:40:28 2018 UTC"
auth_fail_error: "Communication message send error"
auth_next_communication_date: "Dec 03 18:40:57 2018 UTC"
auth_deadline: "Mar 03 16:37:55 2019 UTC"
license: "ASAv5 Standard - 100M"
license_pid: "ASAv-STD-100M"
license_description: "ASAv5 Standard - 100M"
license_count: "1"
license_version: "1.0"
license_status: "AUTHORIZED"
pid: "ASAv"
sn: "9A6PGB43PJ C"
smart_agent_version: "1.6.14_rel/129"

<table>
<thead>
<tr>
<th>Feature</th>
<th>Ins</th>
<th>Lic</th>
<th>Status</th>
<th>Expiry Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPLS_PKG</td>
<td>No</td>
<td>-</td>
<td>Unused</td>
<td>Grace 10D 1H</td>
<td></td>
</tr>
<tr>
<td>STORAGE-ENT</td>
<td>No</td>
<td>-</td>
<td>Unused</td>
<td>Grace 20D 6H</td>
<td></td>
</tr>
<tr>
<td>VDC_LICENSES</td>
<td>No</td>
<td>0</td>
<td>Unused</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENTERPRISE_PKG</td>
<td>No</td>
<td>-</td>
<td>Unused</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCOE-N7K-F132XP</td>
<td>No</td>
<td>0</td>
<td>Unused</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCOE-N7K-F248XP</td>
<td>No</td>
<td>0</td>
<td>Unused</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENHANCED_LAYER2_PKG</td>
<td>No</td>
<td>-</td>
<td>Unused</td>
<td>Grace 20D 6H</td>
<td></td>
</tr>
<tr>
<td>SCALABLE_SERVICES_PKG</td>
<td>No</td>
<td>-</td>
<td>Unused</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRANSPORT_SERVICES_PKG</td>
<td>Yes</td>
<td>-</td>
<td>Unused</td>
<td>Never</td>
<td></td>
</tr>
<tr>
<td>LAN_ADVANCED_SERVICES_PKG</td>
<td>Yes</td>
<td>-</td>
<td>Unused</td>
<td>Never</td>
<td></td>
</tr>
<tr>
<td>LAN_ENTERPRISE_SERVICES_PKG</td>
<td>Yes</td>
<td>-</td>
<td>In use</td>
<td>Never</td>
<td></td>
</tr>
</tbody>
</table>

Smart Licensing Status

-----------------------------------------------
Smart Licensing is ENABLED

Registration:
Status: UNREGISTERED
Export-Controlled Functionality: Not Allowed

License Authorization:
Status: EVAL MODE
Evaluation Period Remaining: 89 days, 1 hours, 33 minutes, 51 seconds

License Usage
=================

(ASAv-STD-100M):
Description:
Count: 1
Version: 1.0
Status: EVAL MODE

Product Information
=====================
UDI: PID:ASAv,SN:9A6PGB43PJC

Agent Version
===============
Smart Agent for Licensing: 1.6.14_rel/129

Smart Licensing Status
=======================
Smart Licensing is ENABLED

Registration:
Status: REGISTERED
Smart Account: COMPANY LLC
Virtual Account: Company LLC
Export-Controlled Functionality: Allowed
Initial Registration: SUCCEEDED on Dec 03 16:43:48 2018 UTC
Last Renewal Attempt: FAILED on Dec 03 18:40:22 2018 UTC
  Failure reason: Communication message send error
Next Renewal Attempt: Dec 03 18:56:01 2018 UTC
Registration Expires: Dec 03 16:37:44 2019 UTC

License Authorization:
Status: AUTHORIZED on Dec 03 18:40:28 2018 UTC
Last Communication Attempt: FAILED on Dec 03 18:40:28 2018 UTC
  Failure reason: Communication message send error
License Usage

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

ASAav5 Standard - 100M (ASAav-STD-100M):
Description: ASAav5 Standard - 100M
Count: 1
Version: 1.0
Status: AUTHORIZED

Product Information

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

UDI: PID:ASAav,SN:9A6PGB43PJC

Agent Version

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

Smart Agent for Licensing: 1.6.14_rel/129
Index 1 Feature: appxk9
   Period left: Life time
   License Type: Permanent
   License State: Active, In Use
   License Count: Non-Counted
   License Priority: Medium

Index 2 Feature: uck9
   Period left: Not Activated
   Period Used: 0 minute 0 second
   License Type: EvalRightToUse
   License State: Active, Not in Use, EULA not accepted
   License Count: Non-Counted
   License Priority: None

Index 3 Feature: securityk9
   Period left: Life time
   License Type: Permanent
   License State: Active, In Use
   License Count: Non-Counted
   License Priority: Medium

Index 4 Feature: ipbasek9
   Period left: Life time
   License Type: Permanent
   License State: Active, In Use
   License Count: Non-Counted
   License Priority: Medium

Index 5 Feature: FoundationSuiteK9
   Period left: Not Activated
   Period Used: 0 minute 0 second
   License Type: EvalRightToUse
License State: Active, Not in Use, EULA not accepted
License Count: Non-Counted
License Priority: None
Index 6 Feature: AdvUCSuiteK9
   Period left: Not Activated
   Period Used: 0 minute 0 second
   License Type: EvalRightToUse
   License State: Active, Not in Use, EULA not accepted
   License Count: Non-Counted
   License Priority: None
Index 7 Feature: cme-srst
   Period left: Not Activated
   Period Used: 0 minute 0 second
   License Type: EvalRightToUse
   License State: Active, Not in Use, EULA not accepted
   License Count: 0/0 (In-use/Violation)
   License Priority: None
Index 8 Feature: hseck9
   Period left: Life time
   License Type: Permanent
   License State: Active, In Use
   License Count: Non-Counted
   License Priority: Medium
Index 9 Feature: throughput
   Period left: Not Activated
   Period Used: 0 minute 0 second
   License Type: EvalRightToUse
   License State: Active, Not in Use, EULA not accepted
   License Count: Non-Counted
   License Priority: None
Index 10 Feature: internal_service
---
parsed_sample:
- feature: "appxk9"
  license_count: "Non-Counted"
  license_priority: "Medium"
  license_state: "Active, In Use"
  license_type: "Permanent"
  period_left: "Life time"
  period_used: ""
- feature: "uck9"
  license_count: "Non-Counted"
  license_priority: "None"
  license_state: "Active, Not in Use, EULA not accepted"
  license_type: "EvalRightToUse"
  period_left: "Not Activated"
  period_used: "0 minute 0 second"
- feature: "securityk9"
- feature: "ipbasek9"
  license_count: "Non-Counted"
  license_priority: "Medium"
  license_state: "Active, In Use"
  license_type: "Permanent"
  period_left: "Life time"
  period_used: ""
- feature: "FoundationSuiteK9"
  license_count: "Non-Counted"
  license_priority: "None"
  license_state: "Active, Not in Use, EULA not accepted"
  license_type: "EvalRightToUse"
  period_left: "Not Activated"
  period_used: "0 minute 0 second"
- feature: "AdvUCSuiteK9"
  license_count: "Non-Counted"
  license_priority: "None"
  license_state: "Active, Not in Use, EULA not accepted"
  license_type: "EvalRightToUse"
  period_left: "Not Activated"
  period_used: "0 minute 0 second"
- feature: "cme-srst"
  license_count: "0/0 (In-use/Violation)"
  license_priority: "None"
  license_state: "Active, Not in Use, EULA not accepted"
  license_type: "EvalRightToUse"
  period_left: "Not Activated"
  period_used: "0 minute 0 second"
- feature: "hseck9"
  license_count: "Non-Counted"
  license_priority: "Medium"
  license_state: "Active, In Use"
  license_type: "Permanent"
  period_left: "Life time"
  period_used: ""
- feature: "throughput"
  license_count: "Non-Counted"
  license_priority: "None"
  license_state: "Active, Not in Use, EULA not accepted"
  license_type: "EvalRightToUse"
  period_left: "Not Activated"
  period_used: "0 minute 0 second"
- feature: "internal_service"
  license_count: ""
  license_priority: ""
  license_state: ""
  license_type: ""
  period_left: ""
  period_used: ""

parsed_sample:
- smart_status: "ENABLED"
  registration_status: "UNREGISTERED"
  smart_account: ""
  virtual_account: ""
  export_controlled: "Not Allowed"
  registration_initial_status: ""
  registration_initial_date: ""
  registration_last_renewal: ""
  registration_last_renewal_date: ""
  registration_last_renewal_error: ""
  registration_next_renewal_date: ""
  registration_expiration_date: ""
  eval_remaining: "89 days, 1 hours, 33 minutes, 51 seconds"
  auth_status: "EVAL MODE"
  auth_date: ""
  auth_last_communication: ""
  auth_last_communication_date: ""
  auth_fail_error: ""
  auth_next_communication_date: ""
  auth_deadline: ""
  license: ""
  license_pid: "ASAv-STD-100M"
  license_description: ""
  license_count: "1"
  license_version: "1.0"
  license_status: "EVAL MODE"
  pid: "ASAv"
  sn: "9A6PGB43PJc"
  smart_agent_version: "1.6.14_rel/129"

parsed_sample:
- feature: "MPLS_PKG"
  installed: "No"
  license_count: ".-"
  status: "Unused"
  expiry_date: ""
  comments: "Grace 10D 1H"
- feature: "STORAGE-ENT"
  installed: "No"
license_count: "-
status: "Unused"
expiry_date: ""
comments: "Grace 20D 6H"
- feature: "VDC_LICENSES"
  installed: "No"
  license_count: "0"
  status: "Unused"
  expiry_date: ""
  comments: "-
- feature: "ENTERPRISE_PKG"
  installed: "No"
  license_count: "-
  status: "Unused"
  expiry_date: ""
  comments: "-
- feature: "FCOE-N7K-F132XP"
  installed: "No"
  license_count: "0"
  status: "Unused"
  expiry_date: ""
  comments: "-
- feature: "FCOE-N7K-F248XP"
  installed: "No"
  license_count: "0"
  status: "Unused"
  expiry_date: ""
  comments: "-
- feature: "ENHANCED_LAYER2_PKG"
  installed: "No"
  license_count: "-
  status: "Unused"
  expiry_date: ""
  comments: "Grace 20D 6H"
- feature: "SCALABLE_SERVICES_PKG"
  installed: "No"
  license_count: "-
  status: "Unused"
  expiry_date: ""
  comments: "-
- feature: "TRANSPORT_SERVICES_PKG"
  installed: "Yes"
  license_count: "-
  status: "Unused"
  expiry_date: "Never"
  comments: "-
- feature: "LAN_ADVANCED_SERVICES_PKG"
  installed: "Yes"
Smart Licensing Status

Smart Licensing is ENABLED

Registration:

- feature: "LAN_ENTERPRISE_SERVICES_PKG"
  - installed: "Yes"
  - license_count: "-"
  - status: "In use"
  - expiry_date: "Never"
  - comments: "-"

parsed_sample:
- smart_status: "ENABLED"
  registration_status: "REGISTERED"
  smart_account: "COMPANY LLC"
  virtual_account: "Company LLC"
  export_controlled: "Allowed"
  registration_initial_status: "SUCCEEDED"
  registration_initial_date: "Dec 03 16:43:48 2018 UTC"
  registration_last_renewal: "None"
  registration_last_renewal_date: ""
  registration_last_renewal_error: ""
  registration_next_renewal_date: "Jun 01 16:43:47 2019 UTC"
  registration_expiration_date: "Dec 03 16:37:44 2019 UTC"
  eval_remaining: ""
  auth_status: "AUTHORIZED"
  auth_date: "Dec 03 16:43:56 2018 UTC"
  auth_last_communication: "SUCCESS"
  auth_last_communication_date: "Dec 03 16:43:56 2018 UTC"
  auth_fail_error: ""
  auth_next_communication_date: "Jan 02 16:43:55 2019 UTC"
  auth_deadline: "Mar 03 16:37:54 2019 UTC"
  license: "ASAv5 Standard - 100M"
  license_pid: "ASAv-STD-100M"
  license_description: "ASAv5 Standard - 100M"
  license_count: "1"
  license_version: "1.0"
  license_status: "AUTHORIZED"
  pid: "ASAv"
  sn: "9A6PGB43PJCC"
  smart_agent_version: "1.6.14_rel/129"
Status: REGISTERED
Smart Account: COMPANY LLC
Virtual Account: Company LLC
Export-Controlled Functionality: Allowed
Initial Registration: SUCCEEDED on Dec 03 16:43:48 2018 UTC
Last Renewal Attempt: None
Next Renewal Attempt: Jun 01 16:43:47 2019 UTC
Registration Expires: Dec 03 16:37:44 2019 UTC

License Authorization:
Status: AUTHORIZED on Dec 03 16:43:56 2018 UTC
Last Communication Attempt: SUCCESS on Dec 03 16:43:56 2018 UTC
Next Communication Attempt: Jan 02 16:43:55 2019 UTC
Communication Deadline: Mar 03 16:37:54 2019 UTC

License Usage
==============

ASAv5 Standard - 100M (ASAv-STD-100M):
Description: ASAv5 Standard - 100M
Count: 1
Version: 1.0
Status: AUTHORIZED

Product Information
====================
UDI: PID:ASAv,SN:9A6PGB43PJC

Agent Version
==============
Smart Agent for Licensing: 1.6.14_rel/129

1.1886 cxf-rt-security 3.3.10
1.1886.1 Available under license :

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org.xnio.nio.NioXnioProvider

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec’s THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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*/

1.1913 minio-go 7.0.5-0.20200811211821-14ed05478889
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          `xml:"xmlns,attr,omitempty`
    XMLName xml.Name        `xml:"LegalHold"
    Status  LegalHoldStatus `xml:"Status,omitlempty"
}

// 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
    LegalHoldDisabled LegalHoldStatus = "OFF"
)

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
urlValues := make(url.Values)
urlValues.Set("legal-hold","")

if opts.VersionID != "" {
}

lh, err := newObjectLegalHold(opts.Status)
if err != nil {
    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.
deffer 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
    }

    // Use HTTP request...
    urlValues := make(url.Values)
    urlValues.Set("legal-hold","")

    if opts.VersionID != "" {
    }

    lh, err := newObjectLegalHold(opts.Status)
    if err != nil {
        return nil, err
    }

    lhData, err := xml.Marshal(lh)
    if err != nil {
        return nil, 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.
defer closeResponse(resp)
    if err != nil {
        return nil, err
    }
    if resp != nil {
            return httpRespToErrorResponse(resp, bucketName, objectName)
        }
    }
    return nil
}
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, http.MethodGet, 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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### 1.1914 gax-go 2.0.4

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### 1.1915 cloud-google-com-go 0.39.0

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "net/http"
    "net/url"

gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
)

var newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
    Get []gax.CallOption
    TestIamPermissions []gax.CallOption
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption) (*computepb.TestIamPermissionsResponse, error)
LicenseCodesClient is a client for interacting with Google Compute Engine API. Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

The LicenseCodes API.

```go
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

    // The call options for this service.
    CallOptions *LicenseCodesCallOptions
}
```

Wrapper methods routed to the internal client.

Close closes the connection to the API service. The user should invoke this when the client is no longer required.

```go
func (c *LicenseCodesClient) Close() error {
    return c.internalClient.Close()
}
```

setGoogleClientInfo sets the name and version of the application in the `x-goog-api-client` header passed on each request. Intended for use by Google-written clients.

```go
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}
```

Connection returns a connection to the API service. Deprecated.

```go
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}
```

Get return a specified license code. License codes are mirrored across all projects that have permissions to read the License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```go
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts ...gax.CallOption) (*computepb.LicenseCode, error) {
    return c.internalClient.Get(ctx, req, opts...)
}
```

TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```go
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
```
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.
type licenseCodesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }
    c := &licenseCodesRESTClient{
        endpoint:   endpoint,
        httpClient: httpClient,
    }
    c.setGoogleClientInfo()

    return &LicenseCodesClient{internalClient: c, CallOptions: &LicenseCodesCallOptions{ }, nil}
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

// setGoogleClientInfo sets the name and version of the application in the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gapic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

// Connection returns a connection to the API service.
// Deprecated.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
    return nil
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts...
    gax.CallOption) (*computepb.LicenseCode, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    req.GetLicenseCode())

    if err != nil {
        return nil, err
    }
    httpReq = httpReqWithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()
if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.LicenseCode{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
// intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
    *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
        req.GetProject(), req.GetResource())

    if err != nil {
        return nil, err
    }

    httpReq = httpReqWithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
  return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
  return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.TestPermissionsResponse{}

if err := unm.Unmarshal(buf, rsp); err != nil {
  return nil, maybeUnknownEnum(err)
}
return rsp, nil

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go

package compute_test

import (
  "context"

compute "cloud.google.com/go/compute/apiv1"
"google.golang.org/api/iterator"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

func ExampleNewLicensesRESTClient() {
  ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
deferr c.Close()

// TODO: Use client.
_ = c

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
deferr c.Close()

    req := &compute.DeleteLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#DeleteLicenseRequest.
    }
    resp, err := c.Delete(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_Get() {
    ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
deferr c.Close()

    req := &compute.GetLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
func ExampleLicensesClient_GetIamPolicy() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetIamPolicyLicenseRequest.
    }
    resp, err := c.GetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_Insert() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.InsertLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#InsertLicenseRequest.
    }
    resp, err := c.Insert(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_List() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
}
defer c.Close()

req := &computepb.ListLicensesRequest{
    // TODO: Fill request struct fields.
    // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
    resp, err := it.Next()
    if err == iterator.Done {
        break
    } else if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_SetIamPolicy() {
    ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
defer c.Close()

    req := &computepb.SetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#SetIamPolicyLicenseRequest.
    }
    resp, err := c.SetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
    ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
defer c.Close()
req := &computepb.TestIamPermissionsLicenseRequest{
// TODO: Fill request struct fields.
// See
https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp

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package compute_test

import (
    "context"
    "cloud.google.com/go/compute/apiv1"
    "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}
func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()
    
    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()
    
    req := &computepb.TestIamPermissionsLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseCodeRequest.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

doublecheck := newDoublecheck()

c, err := doublecheck.GetCurrentCommit()
if err != nil {
    return
}

cDIC = c.DifferenceFromInitialCommit()
var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
    Delete     []gax.CallOption
    Get        []gax.CallOption
    GetIamPolicy []gax.CallOption
    Insert     []gax.CallOption
    List       []gax.CallOption
    SetIamPolicy []gax.CallOption
    TestIamPermissions []gax.CallOption
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
    Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
    GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy, error)
    Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
    List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
    SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computeapi.Policy, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption) (*computeapi.TestPermissionsResponse, error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
// //
// // The Licenses API.
type LicensesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicensesClient

    // The call options for this service.
    CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicensesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
    return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
// Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {

return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
    return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption) *LicenseIterator {
    return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.
type licensesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD
}

Open Source Used In Branch Migration Tool 1.9 18361
// NewLicensesRESTClient creates a new licenses rest client.

// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
    clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }

    c := &licensesRESTClient{
        endpoint:   endpoint,
        httpClient: httpClient,
    }
    c.setGoogleClientInfo()

    return &LicensesClient{internalClient: c, CallOptions: &LicensesCallOptions{}}}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gapic", "gax", "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
    return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...
gax.CallOption) (*Operation, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    params := url.Values{
        "requestId": fmt.Sprintf("%v", req.GetRequestId())
    }
    baseUrl.RawQuery = params.Encode()
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}
    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()
    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }
    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }
    unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    rsp := &computepb.Operation{}
    if err := unm.Unmarshal(buf, rsp); err != nil {
        return nil, err
    }
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption) (*computepb.License, error) {
  baseUrl, _ := url.Parse(c.endpoint)

  if err != nil {
    return nil, err
  }
  httpReq = httpReqWithContext(ctx)
  // Set the headers
  for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
  }
  httpReq.Header["Content-Type"] = []string{"application/json"}

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
    return nil, err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
    return nil, err
  }

  unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
  rsp := &computepb.License{
    
  }
  if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
  }
  return rsp, nil
}
// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
baseUrl, _ := url.Parse(c.endpoint)

params := url.Values{}
if req != nil && req.OptionsRequestedPolicyVersion != nil {
}
baseUrl.RawQuery = params.Encode()

if err != nil {
return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Policy{

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
return rsp, nil
// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption) (*Operation, error) {
  m := protojson.MarshalOptions{AllowPartial: true}
  body := req.GetLicenseResource()
  jsonReq, err := m.Marshal(body)
  if err != nil {
    return nil, err
  }

  baseUrl, _ := url.Parse(c.endpoint)

  params := url.Values{}
  if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
  }

  baseUrl.RawQuery = params.Encode()

  if err != nil {
    return nil, err
  }
  httpReq = httpReqWithContext(ctx)

  // Set the headers
  for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
  }
  httpReq.Header["Content-Type"] = []string{"application/json"}

  httpRsp, err := c.httpClient.Do(httpReq)
  if err != nil {
    return nil, err
  }
  defer httpRsp.Body.Close()

  if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
  }

  buf, err := ioutil.ReadAll(httpRsp.Body)
  if err != nil {
    return nil, err
  }
}
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Operation{
}

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...
gax.CallOption) *LicenseIterator {
    it := &LicenseIterator{
    req = proto.Clone(req).(*computepb.ListLicensesRequest)
    unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
        resp := &computepb.LicensesListResponse{
        if pageToken != "" {
            req.PageToken = proto.String(pageToken)
        }
        if pageSize > math.MaxInt32 {
            req.MaxResults = proto.Uint32(math.MaxInt32)
        } else if pageSize != 0 {
            req.MaxResults = proto.Uint32(uint32(pageSize))
        }
        baseUrl, _ := url.Parse(c.endpoint)

        params := url.Values{
        if req != nil && req.Filter != nil {
        }
        if req != nil && req.MaxResults != nil {
            params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
        }
        if req != nil && req.OrderBy != nil {
            params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
        }
        if req != nil && req.PageToken != nil {
        }
        if req != nil && req.ReturnPartialSuccess != nil {
        }
        if req != nil && req.ReturnSuccess != nil {
        }
}

baseUrl.RawQuery = params.Encode()

if err != nil {
    return nil, "", err
}

// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}

httpReq.Header["Content-Type"] = []string{"application/json"}
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, "", err
}

defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, "", err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, "", err
}

unm.Unmarshal(buf, resp)
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()
// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)

    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }

    unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    rsp := &computepb.Policy{}
    return nil, err
}
if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()
    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }
    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }

    _, _ := url.Parse(c.endpoint)

    if err != nil {
        return nil, err
    }
    httpReq = httpReqWithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }
    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rs := &computepb.TestPermissionsResponse{

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// LicenseIterator manages a stream of *computepb.License.
// LicenseIterator struct {
//     items    []*computepb.License
//     pageInfo *iterator PageInfo
//     nextFunc func() error
// }

// Response is the raw response for the current page.
// It must be cast to the RPC response type.
// Calling Next() or InternalFetch() updates this value.
// Response interface{}

// InternalFetch is for use by the Google Cloud Libraries only.
// It is not part of the stable interface of this package.
// It returns results from a single call to the underlying RPC.
// The number of results is no greater than pageSize.
// If there are no more results, nextPageToken is empty and err is nil.
// InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
// }

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator PageInfo {
    return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more results. Once Next returns Done, all subsequent calls will return Done.
// Next returns the next result. Its second return value is iterator.Done if there are no more results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator) Next() (*computepb.License, error) {
    var item *computepb.License
    if err := it.nextFunc(); err != nil {
        return item, err
    }
    item = it.items[0]
    it.items = it.items[1:]
    return item, nil
}

func (it *LicenseIterator) bufLen() int {
    return len(it.items)
func (it *LicenseIterator) takeBuf() interface{} {
    b := it.items
    it.items = nil
    return b
}

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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.

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

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

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

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

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,
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getopt.c - my re-implementation of getopt.

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<signature of Ty Coon>, 1 April 1989
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# Dependency License Information
## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumberance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
```
and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
    </license>
  </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.
Example command line:

```sh
...
...```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

### How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or
Button label

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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**Description**
- **Locations**
  - **Remote Licenses**
  - **Local Licenses**

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**License Information**

- **License Name**
  - [Remote License URL]
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**License Details**

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# [Font Awesome v4.3.0](http://fontawesome.io)

### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).
Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
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- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

## Contributing
Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning
Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

##Author
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- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

##Component
To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

"FortAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```
$ bundle exec jekyll -w serve
```

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1.1943 nsx-policy-python-sdk 3.1.2.1.1

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1.1944 resteasy-client 3.15.1.Final

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## jopt-simple v4.6

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lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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
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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
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lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
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lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kprobog.c

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1.1963 mod-cluster-core 1.4.3.Final

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1.1971 cxf-tools-wsdlto-frontend-jaxws 3.3.10

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 */

/* checkTag : validation tool for libzstd
 * command:
 * $ ./checkTag tag
 * checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any}
 * The tag is then compared to zstd version number.
 * They are compatible if first 3 digits are identical.
 * Anything beyond that is free, and doesn't impact validation.
 * Example : tag v1.8.1.2 is compatible with version 1.8.1
 * When tag and version are not compatible, program exits with error code 1.
 * When they are compatible, it exists with a code 0.
 * checkTag is intended to be used in automated testing environment.
 */

1.1973 ijson 2.6.1

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yajl
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= For Base64.java file =

This file is in the public domain. For more information see:

src/main/java/org/apache/activemq/utils/Base64.java

1.1976 atk 2.30.0-2

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Version 2, June 1991

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

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Most GNU software, including some libraries, is covered by the ordinary
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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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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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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
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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

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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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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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1.1978 picketbox-acl-impl 5.0.3.Final-redhat-00007

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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.

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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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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.

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Bundle-ManifestVersion: 2
Bundle-Name: Infinispan Hot Rod Client
Bundle-SymbolicName: org.infinispan.client-hotrod
Bundle-Vendor: JBoss, a division of Red Hat
Bundle-Version: 11.0.9.Final
Created-By: Apache Maven Bundle Plugin
1.1983 jackson-databind 2.10.5.1

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# Jackson JSON processor

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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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1.1985 smallrye-common-function 1.5.0

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1.1986 pinentry-curses 1.1.0-3build1

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1.1993 cxf-rt-transports-http 3.3.10

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1.1994 libatspi 2.30.0-7

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1.1998 inflection 0.5.1
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1.1999 netty-transport 4.1.62.Final
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Manifest-Version: 1.0
Implementation-Title: Netty/Transport
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.transport
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.transport
Implementation-Version: 4.1.62.Final
Built-By: norman
Bnd-LastModified: 1617128242504
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.buffer;version="[4.1,5)";io.netty.resolver;version="[4.1,5)";io.netty.util;version="[4.1,5)";io.netty.util.concurrent;version="[4.1,5)";io.netty.util.internal;version="[4.1,5)";io.netty.util.internal.logging;version="[4.1,5)";sun.nio.ch;resolution=optional,org.eclipse.jetty.npn;version="[1,2)";resolution=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution=optional
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/Transport
Bundle-Version: 4.1.62.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://netty.io/netty-transport/

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<body bgcolor=#ffffff

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```html
<!-- Read matching templates -->
<table>
<tr>
<th>Package Group</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
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<xsl:sort select="concat(groupId, '.', artifactId)">
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<td><xsl:value-of select="artifactId" /></td>
<td><xsl:value-of select="version" /></td>
<td>
<xsl:for-each select="licenses/license">
<a href="{./url}"><xsl:value-of select="name" /></a><br/>
</xsl:for-each>
</td>
<td>
<xsl:for-each select="licenses/license">
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<xsl:call-template name="remap-local-filename">
<xsl:with-param name="name" select="name" /></xsl:call-template>
</xsl:variable>
<a href="{$filename}"><xsl:value-of select="$filename" /></a><br/>
</xsl:for-each>
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</xsl:for-each>
</table>
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<text>gnu general public license v2.0 only.html</text>
</xsl:when>
<xsl:when test="$name = "">
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</xsl:when>
<xsl:otherwise>
</xsl:otherwise>
</xsl:choose>
</xsl:template>
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you’re adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It’s usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- the server, modify `distribution/feature-packs/server-feature-pack/src/main/resources/licenses/rh-sso/license.xml`
- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`,
Maven dependencies go into a "licenseSummary/dependencies/dependency" element, and non-maven dependencies go into a "licenseSummary/others/other" element.

Here are some examples of maven dependencies:

```
```xml
<dependency>
  <groupId>org.sonatype.plexus</groupId>
  <artifactId>plexus-sec-dispatcher</artifactId>
  <version>1.3</version>
  <licenses>
    <license>
      <name>Apache Software License 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
    </license>
  </licenses>
</dependency>
```

```xml
<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>
```

and non-maven dependencies:

```
```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>
```

```
```xml
<other>
  <description>AngularJS</description>
  <locations>
```

Open Source Used In Branch Migration Tool 1.9 19282
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

```html
<button class="zocial facebook">Button label here</button>
```

or

```html
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
   xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
   <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
   <xsl:param name="productname"/>
   <xsl:param name="version" />
   <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
   <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />

   <xsl:template match="/">
     <html>
       <head>
         <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
         <link rel="stylesheet" type="text/css" href="licenses.css" />
       </head>
       <body>
         <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
         <table>
           <tr>
             <th>Package Group</th>
             <th>Package Artifact</th>
             <th>Package Version</th>
             <th>Remote Licenses</th>
             <th>Local Licenses</th>
           </tr>
           <xsl:for-each select="licenseSummary/dependencies/dependency">
             <xsl:sort select="concat(groupId, '.', artifactId)"/>
             <tr>
               <td><xsl:value-of select="groupId"/></td>
               <td><xsl:value-of select="artifactId"/></td>
               <td><xsl:value-of select="version"/></td>
               <td>
                 <ul>
                   <xsl:for-each select="licenses/license">
                     <li><a href="{./url}"><xsl:value-of select="name"/></a></li>
                   </xsl:for-each>
                 </ul>
               </td>
               <td>
                 <ul>
                   <xsl:for-each select="licenses/license">
                     <li><a href="/./<filename>">{./url}</a></li>
                   </xsl:for-each>
                 </ul>
               </td>
             </tr>
           </xsl:for-each>
         </table>
       </body>
     </html>
   </xsl:template>
</xsl:stylesheet>
"lib": "rollup -c",
"lint": "eslint .",
"precommit": "lint-staged && npm-run-all types test",
"prepare": "npm-run-all clean -p lib types",
"test": "nyc mocha 'test/**/*.ts'",
"types": "tsc",
"verify": "npm-run-all lint types test"
},
"lint-staged": {
  "*.js,*.ts": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^6.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1",
  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-promise": "^4.2.1",
  "eslint-plugin-simple-import-sort": "^6.0.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0",
  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin-filesize": "^9.1.1",
  "rollup-plugin-flow-entry": "^0.3.5",
  "rollup-plugin-mjs-entry": "^0.1.1",
  "sucrase": "^3.18.1",
  "typescript": "^4.4.1.2"
}
]
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[FONTSWOE v4.3.0](http://fontawesome.io)

### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](http://twitter.com/davegandy).

Stay up to date with the latest release and announcements on Twitter: [@fontawesome](http://twitter.com/fontawesome).

Get started at [http://fontawesome.io](http://fontawesome.io/)

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#### Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).

Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author

- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component

To include as a [component](http://github.com/component/component), just run

    $ component install FortAwesome/Font-Awesome

Or add

    "FortAwesome/Font-Awesome": "*"

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

    $ bundle install
$ npm install

Build the project and documentation:

$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/Maps.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/io/Resources.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/base/Function.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/ExecutionList.java
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  jar/com/google/common/util/concurrent/Internal.java
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  */
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/AggregateFutureState.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/JdkBackedImmutableMultiset.java
jar/com/google/common/util/concurrent/ExecutionSequencer.java

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 */

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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
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 */

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jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/base/Optional.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/math/DoubleUtils.java
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jar/com/google/common/collect/AbstractSortedMultiset.java
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jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/HashFunction.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
 */
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/*
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/annotations/VisibleForTesting.java
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jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/base/Verify.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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jar/com/google/common/collect/JdkBackedImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/IndexedImmutableSet.java

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jar/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/AbstractMultimap.java
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jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/AbstractNavigableMap.java

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jar/com/google/common/hash/package-info.java

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

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jar/com/google/common/base/ExtraObjectsMethodsForWeb.java
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 */
/*
 * This following method is a modified version of one found in
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/MultimapBuilder.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Tables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collect/ImmutableMapKeySet.java

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/**
**
** Holder for web specializations of methods of [ @code Shorts]. Intended to be empty for regular
** version.
**/

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jar/com/google/common/primitives/ShortsMethodsForWeb.java

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jar/com/google/common/collect/ImmutableRangeSet.java

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jar/com/google/common/math/LinearTransformation.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/LongAddable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/Closer.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/Stats.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/html/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/PairStatsAccumulator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/StatsAccumulator.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/Invokerable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/RateLimiter.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ClosingFuture.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/CompactHashing.java
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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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 */

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/*
/**
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@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/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/Partially.java
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jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/io/InsecureRecursiveDeleteException.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/Network.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/LongAdder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/Striped64.java

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jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Converter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/TrieParser.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingSortedSetMultimap.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SortedMapDifference.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SortedMultisets.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/net/HostSpecifier.java
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jar/com/google/common/escape/ArrayBasedCharEscaper.java
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jar/com/google/common/net/InternetDomainName.java
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jar/com/google/common/util/concurrent/AbstractService.java
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jar/com/google/common/base/Splitter.java
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jar/com/google/common/cache/LocalCache.java
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/**
* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
* key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
* version.
* *
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link
* ImmutableSortedMap#of(Comparable, Object)}.<b>
*/

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*/
/**
* Holder for web specializations of methods of [@code Floats]. Intended to be empty for regular
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*/

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jar/com/google/common/collect/DiscreteDomain.java
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jar/com/google/common/collect/ImmutableClassToInstanceMap.java
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jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
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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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"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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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!

1.2005 rsync 3.1.3 6
1.2005.1 Available under license :

This is Debian's prepackaged version of Andrew Tridgell and Paul Mackerras' rsync utility.

This package provides the rsync program, which is a replacement for rcp that uses the rsync algorithm to transfer only the differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>, from sources obtained from:
http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz
The current version was downloaded from:
https://rsync.samba.org/ftp/rsync/src/rsync-3.1.3.tar.gz
on 2018-12-02 by Samuel Henrique <samueloph@debian.org>.

The changes were very minimal - merely adding support for the Debian package maintenance scheme by adding various debian/* files.
The only significant change is passing the -4 / -6 options through to ssh.
See the debian/patches/ directory.

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Rsync was originally written by Andrew Tridgell and is currently maintained by Wayne Davison. It has been improved by many developers from around the world.

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Version 3, 29 June 2007

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include/GL/wglxext.h:

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1.2008 selinux 2.7-2build2

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1.2017 keystoneauth1 4.4.0

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1.2020 llvm10-libs 10.0.1-r1
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;
define <4 x i32> @PR41535(<2 x i32> %p1, <2 x i32> %p2) {
    ; CHECK-LABEL: PR41535:
    ; CHECK:       // %bb.0:
    ; CHECK-NEXT:  ext v0.8b, v0.8b, v1.8b, #4
    ; CHECK-NEXT:  mov v0.d[1], v0.d[0]
    ; CHECK-NEXT:  ret
    %cat1 = shufflevector <2 x i32> %p1, <2 x i32> undef, <4 x i32> <i32 undef, i32 1, i32 undef, i32 undef>
    %cat2 = shufflevector <2 x i32> %p2, <2 x i32> undef, <4 x i32> <i32 0, i32 undef, i32 undef, i32 undef>
    %r = shufflevector <4 x i32> %cat1, <4 x i32> %cat2, <4 x i32> <i32 undef, i32 undef, i32 1, i32 4>
    ret <4 x i32> %r
}
;
RUN: llc < %s -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*) {
    ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
    BB:
    %L34 = load i8, i8* %0
    %Cmp56 = icmp sgt i8 undef, %L34, %L34
    br label %CF246

    CF246:
        ; preds = %CF246, %BB
    %SI163 = select i1 %Cmp56, i8 %L34, i8 undef
    br i1 undef, label %CF246, label %CF248
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:  vpadd32 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
  ; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
  ; CHECK-NEXT:  vzeroupper
  ; CHECK-NEXT:  retq
  %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 @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {

define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
  %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_512(<64 x i8>* %a, <64 x i8>* %b) "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 @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 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT:  vpmaddwd (%rsi), %ymm0, %ymm0
  ; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
  ; CHECK-NEXT:  vmovdqa %ymm1, 32(%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 @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 32(%rsi), %ymm1, %ymm1
    ; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
    ; CHECK-NEXT: vmovdqa %ymm0, 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:
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:    vpaddd %ymm1, %ymm3, %ymm1
; CHECK-NEXT:    vpmovsxbw 16(%rsi,%rcx), %ymm3
; CHECK-NEXT:    vpmaddwd %ymm4, %ymm3, %ymm3
; CHECK-NEXT:    vpaddd %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:    vpaddd %ymm0, %ymm1, %ymm1
; CHECK-NEXT:    vpaddd %ymm0, %ymm2, %ymm0
; CHECK-NEXT:    vpaddd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:    vmovd %xmm0, %eax
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
%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> <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>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %12, <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>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %13, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 unde, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %14, <32 x i32> <i32 2, i32 3, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %15, <32 x i32> <i32 1, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %16, <32 x i32> <i32 0, i32 1, i32 2, i32 3, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %17, <32 x i32> <i32 undef, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %18, <32 x i32> <i32 undef, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %19, <32 x i32> <i32 undef, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> %20, <32 x i32> <i32 undef, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde, i32 unde>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}
define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" { ; CHECK-LABEL: _Z9test_charPcS_i_512:
  # %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 %zmm0, %zmm1, %zmm0
  # CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
  # CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  # CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
  # CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
  # CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
  # CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
  # CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
  # 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* %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 = add 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> <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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde
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, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitialize, %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 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 32, i32 33, i32 34, i32 35, i32 36, i32 37, i32 38, i32 39, i32 40, i32 41, i32 42, i32 43, i32 44, i32 45, i32 46, i32 47, i32 48, i32 49, i32 50, i32 51, i32 52, i32 53, i32 54, i32 55, i32 56, i32 57, i32 58, i32 59, i32 60, i32 61, i32 62, i32 63, i32 64, i32 65, i32 66, i32 67, i32 68, i32 69, i32 70, i32 71, i32 72, i32 73, i32 74, i32 75, i32 76, i32 77, i32 78, i32 79, i32 80, i32 81, i32 82, i32 83, i32 84, i32 85, i32 86, i32 87, i32 88, i32 89, i32 90, i32 91, i32 92, i32 93, i32 94, i32 95, i32 96, i32 97, i32 98, i32 99, i32 100, i32 101, i32 102, i32 103, i32 104, i32 105, i32 106, i32 107, i32 108, i32 109, i32 110, i32 111, i32 112, i32 113, i32 114, i32 115, i32 116, i32 117, i32 118, i32 119, i32 120, i32 121, i32 122, i32 123, i32 124, i32 125, i32 126, i32 127, i32 128, i32 129, i32 130, i32 131, i32 132, i32 133, i32 134, i32 135, i32 136, i32 137, i32 138, i32 139, i32 140, i32 141, i32 142, i32 143, i32 144, i32 145, i32 146, i32 147, i32 148, i32 149, i32 150, i32 151, i32 152, i32 153, i32 154, i32 155, i32 156, i32 157, i32 158, i32 159, i32 160, i32 161, i32 162, i32 163, i32 164, i32 165, i32 166, i32 167, i32 168, i32 169, i32 170, i32 171, i32 172, i32 173, i32 174, i32 175, i32 176, i32 177, i32 178, i32 179, i32 180, i32 181, i32 182, i32 183, i32 184, i32 185, i32 186, i32 187, i32 188, i32 189, i32 190, i32 191, i32 192, i32 193, i32 194, i32 195, i32 196, i32 197, i32 198, i32 199, i32 200, i32 201, i32 202, i32 203, i32 204, i32 205, i32 206, i32 207, i32 208, i32 209, i32 210, i32 211, i32 212, i32 213, i32 214, i32 215, i32 216, i32 217, i32 218, i32 219, i32 220, i32 221, i32 222, i32 223, i32 224, i32 225, i32 226, i32 227, i32 228, i32 229, i32 230, i32 231, i32 232, i32 233, i32 234, i32 235, i32 236, i32 237, i32 238, i32 239, i32 240, i32 241, i32 242, i32 243, i32 244, i32 245, i32 246, i32 247, i32 248, i32 249, i32 250, i32 251, i32 252, i32 253, i32 254, i32 255> %bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
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:    jne .LBB11_1
  ; CHECK-NEXT:  # %bb.2: # %middle.block
  ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
  ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
  ; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
  ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
  ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
  ; CHECK-NEXT:    vpadd %xmm1, %xmm0, %xmm0
  ; CHECK-NEXT:    vzeroupper
  ; CHECK-NEXT:    retq
  ; CHECK-NEXT:    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, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitialize, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %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 @sbtol632_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbtol632_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)
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, %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 = 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: vcvtqd2pd %ymm0, %zmm0  
  ; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0  
  ; CHECK-NEXT: vcvtqd2pd %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: vpsrld $31, %ymm0, %ymm0  
  ; CHECK-NEXT: vcvtqd2ps %ymm0, %ymm0  
  ; CHECK-NEXT: vpmovm2d %k0, %ymm1  
  ; CHECK-NEXT: vpsrld $31, %ymm1, %ymm1  
  ; CHECK-NEXT: vcvtqd2ps %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: kshiftrw $8, %k0, %k1  
  ; CHECK-NEXT: vpmovm2d %k1, %ymm0  
  ; CHECK-NEXT: vpsrld $31, %ymm0, %ymm0  
  ; CHECK-NEXT: vcvtqd2ps %ymm0, %ymm0  
  ; CHECK-NEXT: vpmovm2d %k0, %ymm1  
  ; CHECK-NEXT: vpsrld $31, %ymm1, %ymm1  
  ; CHECK-NEXT: vcvtqd2ps %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 @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, %ymm0
;
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, %ymm2
;
CHECK-NEXT:  vextracti128 $1, %ymm2, %xmm2
;
CHECK-NEXT:  vcvtdq2pd %xmm2, %ymm2
;
CHECK-NEXT:  vmovaps %ymm2, 32(%rdi)
;
CHECK-NEXT:  vmovaps %ymm3, (%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_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
;
CHECK-LABEL: ubto16f64_512:
;
CHECK:  # %bb.0:
;
CHECK-NEXT:  vpmovw2m %ymm0, %k0
;
CHECK-NEXT:  vpmovm2d %k0, %zmm0
;
CHECK-NEXT:  vpsrld $31, %zmm0, %zmm0
;
CHECK-NEXT:  vcvtdq2pd %xmm0, %zmm0
;
CHECK-NEXT:  vextracti64x4 $1, %zmm0, %xmm0
;
CHECK-NEXT:  vcvtdq2pd %xmm0, %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 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}
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: vcvttps2dq (%rdi), %ymm1    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1    ; CHECK-NEXT: vpmovd2m %ymm1, %k0    ; CHECK-NEXT: vcvttps2dq 32(%rdi), %ymm1    ; CHECK-NEXT: vpslld $31, %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> zeroinitialize    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: vcvttps2dq (%rdi), %zmm1    ; CHECK-NEXT: vpslld $31, %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>    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitialize    ret <16 x i16> %select }

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

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> zeroinitialize  
    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-AVX512-LABEL: mul256:  
    CHECK-AVX512:       # %bb.0:  
    CHECK-AVX512-NEXT:    vmovdqa (%rdi), %ymm0  
    CHECK-AVX512-NEXT:    vmovdqa 32(%rdi), %ymm1  
    CHECK-AVX512-NEXT:    vmovdqa (%rsi), %ymm2  
    CHECK-AVX512-NEXT:    vmovdqa 32(%rsi), %ymm3  
    CHECK-AVX512-NEXT:    vpunpckhbw {{.*#+}} ymm4 = ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13] ,ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]  
    CHECK-AVX512-NEXT:    vpunpckhbw {{.*#+}} ymm5 = ymm1[8],ymm0[8],ymm3[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13] ,ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]  
    CHECK-AVX512-NEXT:    vpmullw %ymm4, %ymm5, %ymm4  
    CHECK-AVX512-NEXT:    vpand %ymm5, %ymm4, %ymm4  
    CHECK-AVX512-NEXT:    vpunpckhbw {{.*#+}} ymm3 = ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[5] ,ymm3[6],ymm0[6],ymm3[7],ymm0[7],ymm3[16],ymm0[16],ymm3[17],ymm0[17],ymm3[18],ymm0[18],ymm3[19],ymm0[19],ymm3[20],ymm0[20],ymm3[21],ymm0[21],ymm3[22],ymm0[22],ymm3[23],ymm0[23]  
}
; CHECK-AVX512-NEXT: vpunpcklbw {{.*#+}} ymm1 = ymm1[0],ymmm0[0],ymmm1[1],ymmm0[1],ymmm1[2],ymmm0[2],ymmm1[3],ymmm0[3],ymmm1[4],ymmm0[4],ymmm1[5],ymmm0[5],ymmm1[6],ymmm0[6],ymmm1[7],ymmm0[7],ymmm1[16],ymmm0[16],ymmm1[17],ymmm0[17],ymmm1[18],ymmm0[18],ymmm1[19],ymmm0[19],ymmm1[20],ymmm0[20],ymmm1[21],ymmm0[21],ymmm1[22],ymmm0[22],ymmm1[23],ymmm0[23]
; CHECK-AVX512-NEXT: vpunpcklbw {{.*#+}} ymm1 = ymm1[0],ymmm0[0],ymmm1[1],ymmm0[1],ymmm1[2],ymmm0[2],ymmm1[3],ymmm0[3],ymmm1[4],ymmm0[4],ymmm1[5],ymmm0[5],ymmm1[6],ymmm0[6],ymmm1[7],ymmm0[7],ymmm1[16],ymmm0[16],ymmm1[17],ymmm0[17],ymmm1[18],ymmm0[18],ymmm1[19],ymmm0[19],ymmm1[20],ymmm0[20],ymmm1[21],ymmm0[21],ymmm1[22],ymmm0[22],ymmm1[23],ymmm0[23]
; CHECK-AVX512-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-AVX512-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-AVX512-NEXT: vzeroupper
; CHECK-AVX512-NEXT: retq

; CHECK-VBMI-LABEL: mul256:
; CHECK-VBMI:       # %bb.0:
; CHECK-VBMI-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-VBMI-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-VBMI-NEXT: vzeroupper
; CHECK-VBMI-NEXT: retq

; CHECK-VBMI-LABEL: mul256:
; CHECK-VBMI:       # %bb.0:
; CHECK-VBMI-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-VBMI-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-VBMI-NEXT: vzeroupper
; CHECK-VBMI-NEXT: retq

; CHECK-VBMI-LABEL: mul256:
; CHECK-VBMI:       # %bb.0:
; CHECK-VBMI-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-VBMI-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-VBMI-NEXT: vzeroupper
; CHECK-VBMI-NEXT: retq

; CHECK-VBMI-LABEL: mul256:
; CHECK-VBMI:       # %bb.0:
; CHECK-VBMI-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-VBMI-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-VBMI-NEXT: vzeroupper
; CHECK-VBMI-NEXT: retq
ymm3[0], ymm0[0], ymm3[1], ymm0[1], ymm3[2], ymm0[2], ymm3[3], ymm0[3], ymm3[4], ymm0[4], ymm3[5], ymm0[5], ymm3[6], ymm0[6], ymm3[7], ymm0[7], ymm3[16], ymm0[16], ymm3[17], ymm0[17], ymm3[18], ymm0[18], ymm3[19], ymm0[19], ymm3[20], ymm0[20], ymm3[21], ymm0[21], ymm3[22], ymm0[22], ymm3[23], ymm0[23]

; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} ymm1 =
ymm1[0], ymm0[0], ymm1[1], ymm0[1], ymm1[2], ymm0[2], ymm1[3], ymm0[3], ymm1[4], ymm0[4], ymm1[5], ymm0[5], ymm1[6], ymm0[6], ymm1[7], ymm0[7], ymm1[16], ymm0[16], ymm1[17], ymm0[17], ymm1[18], ymm0[18], ymm1[19], ymm0[19], ymm1[20], ymm0[20], ymm1[21], ymm0[21], ymm1[22], ymm0[22], ymm1[23], ymm0[23]

; CHECK-VBMI-NEXT:  vpmullw %ymm3, %ymm1, %ymm1

; CHECK-VBMI-NEXT:  vmovdqa {{.*#+}} ymm3 =
[0, 2, 4, 6, 8, 10, 12, 14, 32, 34, 36, 38, 40, 42, 44, 46, 16, 18, 20, 22, 24, 26, 28, 30, 34, 50, 52, 54, 56, 58, 60, 62]

; CHECK-VBMI-NEXT:  vpmullw %ymm3, %ymm1, %ymm1

; CHECK-VBMEND:  vpunpcklbw {{.*#+}} ymm5 =
ymm5[0], ymm5[2], ymm5[4], ymm5[6], ymm5[8], ymm5[10], ymm5[12], ymm5[14], ymm5[16], ymm5[18], ymm5[20], ymm5[22], ymm5[24], ymm5[26], ymm5[28], ymm5[30], ymm5[32], ymm5[34], ymm5[36], ymm5[38], ymm5[40], ymm5[42], ymm5[44], ymm5[46], ymm5[48], ymm5[50], ymm5[52], ymm5[54], ymm5[56], ymm5[58], ymm5[60], ymm5[62]

; CHECK-VBMI-NEXT:  vpmullw %ymm5, %ymm1, %ymm1

; CHECK-VBMI-NEXT:  vzeroupper

; CHECK-VBMI-NEXT:  retq

define void @mul512(<64 x i8>, <64 x i8>, <64 x i8>) {
}%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
}
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-AVX512-NEXT:  vpunpckhbw {{.*#+}} zmm3 =
zmm0[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
2,42,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]

; CHECK-AVX512-NEXT:  vpmullw %zmm2, %zmm3, %zmm2

; CHECK-AVX512-NEXT:  vmvqvdq64 {{.*#+}} zmm3 =
55,255,255,255,255,255]

; CHECK-AVX512-NEXT:  vpandq %zmm3, %zmm2, %zmm2

; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} 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],zmm
1[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-AVX512-NEXT:  vpunpckhbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]

; CHECK-AVX512-NEXT:  vpmullw %zmm2, %zmm3, %zmm0

; CHECK-AVX512-NEXT:  vpackuswb %zmm2, %zmm0, %zmm0

; CHECK-AVX512-NEXT:  vzeroupper

; CHECK-AVX512-NEXT:  retq

; ; CHECK-VBMI-LABEL: mul512:
; CHECK-VBMI:    # %bb.0:
; CHECK-VBMI-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-VBMI-NEXT:  vmovdqa64 (%rsi), %zmm1
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} zmm2 =
zmm1[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],z
mm1[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],z
mm0[58],zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0
[63]

; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} zmm3 =
zmm0[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
2,42,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]

; CHECK-VBMI-NEXT:  vpmullw %zmm2, %zmm3, %zmm2

; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} 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],zmm1
OPEN SOURCE USED IN BRANCH MIGRATION TOOL 1.9

This threw an assertion at one point.

```c
#define <4 x i32> @mload_v4i32(<4 x i32> %trigger, <4 x i32>* %addr, <4 x i32> %dst) "min-legal-vector-width"="256" {
    CHECK-LABEL: mload_v4i32:
    CHECK:     # %bb.0:
    CHECK-NEXT: vptestnmd %xmm0, %xmm0, %k1
    CHECK-NEXT: vpmovq (%rdi), %ymm0
    retq
    %mask = icmp eq <4 x i32> %trigger, zeroinitializer
    %res = call <4 x i32> @llvm.masked.load.v4i32.p0v4i32(<4 x i32>* %addr, i32 4, <4 x i32> %mask, <4 x i32> %dst)
    ret <4 x i32> %res
} declare <4 x i32> @llvm.masked.load.v4i32.p0v4i32(<4 x i32>*, i32, <4 x i1> <4 x i32>)

define <16 x i32> @trunc_v16i64_v16i32(<16 x i64>* %x) nounwind "min-legal-vector-width"="256" {
    CHECK-LABEL: trunc_v16i64_v16i32:
    CHECK:     # %bb.0:
    CHECK-NEXT: vpmovq (%rdi), %ymm0
    CHECK-NEXT: vpmovq %ymm0, %ymm1
    CHECK-NEXT: vpmovq %ymm2, %ymm0
    CHECK-NEXT: vpmovq %ymm3, %ymm1
    CHECK-NEXT: vpmovq %ymm2, %ymm1
    CHECK-NEXT: vpmovq %ymm3, %ymm2
```

---

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; CHECK-NEXT:  vinsert128 $1, %xmm2, %ymm1, %ymm1
; CHECK-NEXT:  retq
%a = load <16 x i64>, <16 x i64>* %x
%b = trunc <16 x i64> %a to <16 x i32>
ret <16 x i32> %b
}

define <16 x i8> @trunc_v16i64_v16i8(<16 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL:  trunc_v16i64_v16i8:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa 64(%rdi), %ymm2
; CHECK-NEXT:  vmovdqa 96(%rdi), %ymm3
; CHECK-NEXT:  vpmovqb %ymm3, %xmm3
; CHECK-NEXT:  vpmovqb %ymm2, %xmm2
; CHECK-NEXT:  vpmovqlaq {{.*#+}} xmm2 = xmm2[0],xmm3[0],xmm2[1],xmm3[1]
; CHECK-NEXT:  vpmovqb %ymm1, %xmm1
; CHECK-NEXT:  vpmovqb %ymm0, %xmm0
; CHECK-NEXT:  vpunpcklqdq {{.*#+}} xmm0 = xmm0[0],xmm1[0],xmm0[1],xmm1[1]
; CHECK-NEXT:  vpunpcklqdq {{.*#+}} xmm0 = xmm0[0],xmm2[0]
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <16 x i64>, <16 x i64>* %x
%b = trunc <16 x i64> %a to <16 x i8>
ret <16 x i8> %b
}

define <16 x i8> @trunc_v16i32_v16i8(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL:  trunc_v16i32_v16i8:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpmovdb %ymm1, %xmm1
; CHECK-NEXT:  vpmovdb %ymm0, %xmm0
; CHECK-NEXT:  vpunpcklqdq {{.*#+}} xmm0 = xmm0[0],xmm1[0],xmm0[1],xmm1[1]
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <16 x i32>, <16 x i32>* %x
%b = trunc <16 x i32> %a to <16 x i8>
ret <16 x i8> %b
}

define <8 x i8> @trunc_v8i64_v8i8(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL:  trunc_v8i64_v8i8:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpmovqb %ymm1, %xmm1
; CHECK-NEXT: vpmovqb %ymm0, %xmm0
; CHECK-NEXT: vpunpckldq {{.*#+}} xmm0 = xmm0[0],xmm1[0],xmm0[1],xmm1[1]
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
%b = trunc <8 x i64> %a to <8 x i8>
ret <8 x i8> %b
}

define <8 x i16> @trunc_v8i64_v8i16(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v8i64_v8i16:
; CHECK:       # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpmovqw %ymm1, %xmm1
; CHECK-NEXT: vpmovqw %ymm0, %xmm0
; CHECK-NEXT: vpunpcklqdq {{.*#+}} xmm0 = xmm0[0],xmm1[0]
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
%b = trunc <8 x i64> %a to <8 x i16>
ret <8 x i16> %b
}

define <8 x i32> @trunc_v8i64_v8i32_zeroes(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v8i64_v8i32_zeroes:
; CHECK:       # %bb.0:
; CHECK-NEXT: vpsrlq $48, 32(%rdi), %ymm1
; CHECK-NEXT: vpsrlq $48, (%rdi), %ymm2
; CHECK-NEXT: vmovdqa {1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31]
; CHECK-NEXT: vperm2w %ymm1, %ymm2, %ymm0
; CHECK-NEXT: retq
%a = load <8 x i64>, <8 x i64>* %x
%b = lshr <8 x i64> %a, <i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48>
%c = trunc <8 x i64> %b to <8 x i32>
ret <8 x i32> %c
}

define <16 x i16> @trunc_v16i32_v16i16_zeroes(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i32_v16i16_zeroes:
; CHECK:       # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm1
; CHECK-NEXT: vmovdqa {1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31]
; CHECK-NEXT: vperm2w 32(%rdi), %ymm1, %ymm0
; CHECK-NEXT: retq
%a = load <16 x i32>, <16 x i32>* %x
%b = lshr <16 x i32> %a, <i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16>
ret <16 x i32> %b
}
define <32 x i8> @trunc_v32i16_v32i8_zeroes(<32 x i16>* %x) nounwind "min-legal-vector-width"="256" {
    ; CHECK-AVX512-LABEL: trunc_v32i16_v32i8_zeroes:
    ; CHECK-AVX512:      # %bb.0:
    ; CHECK-AVX512-NEXT: vpsrlw $8, 32(%rdi), %ymm0
    ; CHECK-AVX512-NEXT: vpsrlw $8, (%rdi), %ymm1
    ; CHECK-AVX512-NEXT: vpackuswb %ymm0, %ymm1, %ymm0
    ; CHECK-AVX512-NEXT: vpermq [[.+#+]] ymm0 = ymm0[0,2,1,3]
    ; CHECK-AVX512-NEXT: retq
    %a = load <32 x i16>, <32 x i16>* %x
    %b = lshr <32 x i16> %a, <i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8> %c = trunc <32 x i16> %b to <32 x i8>
    ret <32 x i8> %c
}

define <8 x i32> @trunc_v8i64_v8i32_sign(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
    ; CHECK-LABEL: trunc_v8i64_v8i32_sign:
    ; CHECK:      # %bb.0:
    ; CHECK-NEXT: vpsraq $48, 32(%rdi), %ymm1
    ; CHECK-NEXT: vpsraq $48, (%rdi), %ymm2
    ; CHECK-NEXT: vmovdqa [[.+#+]] ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63]
    ; CHECK-NEXT: vpermilw %ymm2 32(%rdi), %ymm1, %ymm0
    ; CHECK-NEXT: retq
    %a = load <8 x i64>, <8 x i64>* %x
    %b = ashr <8 x i64> %a, <i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48> %c = trunc <8 x i64> %b to <8 x i32>
    ret <8 x i32> %c
}

define <16 x i16> @trunc_v16i32_v16i16_sign(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
    ; CHECK-LABEL: trunc_v16i32_v16i16_sign:
    ; CHECK:      # %bb.0:
    ; CHECK-NEXT: vmovdqa (%rdi), %ymm1
    ; CHECK-NEXT: vmovdqa [[.+#+]] ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31]
    ; CHECK-NEXT: vpermilw 32(%rdi), %ymm1, %ymm0
    ; CHECK-NEXT: retq
    %a = load <16 x i32>, <16 x i32>* %x
    %b = lshr <16 x i32> %a, <i32 16, i32 16, i32 16, i32 16> %c = trunc <16 x i32> %b to <16 x i16>
    ret <16 x i16> %c
}
define <32 x i8> @trunc_v32i16_v32i8_sign(<32 x i16>* %x) nounwind "min-legal-vector-width"="256" {
  ; CHECK-AVX512-LABEL: trunc_v32i16_v32i8_sign:
  ; CHECK-AVX512:       # %bb.0:
  ; CHECK-AVX512-NEXT:  vpmsraw $8, 32(%rdi), %ymm0
  ; CHECK-AVX512-NEXT:  vpmsraw $8, (%rdi), %ymm1
  ; CHECK-AVX512-NEXT:  vpacksswb %ymm0, %ymm1, %ymm0
  ; CHECK-AVX512-NEXT:  vpermq [[1.##+]] ymm0 = ymm0[0,2,1,3]
  ; CHECK-AVX512-NEXT:  retq

  ; CHECK-VBMI-LABEL: trunc_v32i16_v32i8_sign:
  ; CHECK-VBMI:       # %bb.0:
  ; CHECK-VBMI-NEXT:   vmovdqa (%rdi), %ymm1
  ; CHECK-VBMI-NEXT:   vpmovzxwq {{.*#+}} ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63]
  ; CHECK-VBMI-NEXT:   vpermib 32(%rdi), %ymm1, %ymm0
  ; CHECK-VBMI-NEXT:   retq
  %a = load <32 x i16>, <32 x i16>* %x
  %b = ashr <32 x i16> %a, <i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8, i16 8>  
  %c = trunc <32 x i16> %b to <32 x i8>
  ret <32 x i8> %c
}

define void @zext_v16i8_v16i64(<16 x i8> %x, <16 x i64>* %y) nounwind "min-legal-vector-width"="256" {
  ; CHECK-LABEL: zext_v16i8_v16i64:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:  vpmovzxbw {{.*#+}} ymm1 = xmm0[0],zero,xmm0[1],zero,xmm0[2],zero,xmm0[3],zero,xmm0[4],zero,xmm0[5],zero,xmm0[6],zero,xmm0[7],zero,xmm0[8],zero,xmm0[9],zero,xmm0[10],zero,xmm0[11],zero,xmm0[12],zero,xmm0[13],zero,xmm0[14],zero,xmm0[15],zero
  ; CHECK-NEXT:  vpmovzxqw {{.*#+}} ymm2 = xmm2[0],zero,zero,xmm2[1],zero,zero,xmm2[2],zero,zero,zero,xmm2[3],zero,zero
  ; CHECK-NEXT:  vextracti128 $1, %ymm1, %xmm1
  ; CHECK-NEXT:  vpmufshd {{.*#+}} xmm3 = xmm1[2,3,0,1]
  ; CHECK-NEXT:  vpmovzxqw {{.*#+}} ymm3 = xmm3[0],zero,zero,xmm3[1],zero,zero,zero,xmm3[2],zero,zero,zero,xmm3[3],zero,zero
  ; CHECK-NEXT:  vpmovzxqw {{.*#+}} ymm1 = xmm1[0],zero,zero,xmm1[1],zero,zero,zero,xmm1[2],zero,zero,zero,xmm1[3],zero,zero
  ; CHECK-NEXT:  vpmovzxqw {{.*#+}} ymm0 =
xmm0[0],zero,zero,zero,zero,zero,zero,zero,zero,zero,xmm0[1],zero,zero,zero,zero,zero,zero,zero,zero,zero,xmm0[2],zero,zero,zero,zero,zero,zero,zero,zero,zero,xmm0[3],zero,zero,zero,zero,zero,zero,zero,zero,zero

; CHECK-NEXT: vmovdqa %ymm0, (%rdi)
; CHECK-NEXT: vmovdqa %ymm1, 64(%rdi)
; CHECK-NEXT: vmovdqa %ymm3, 96(%rdi)
; CHECK-NEXT: vmovdqa %ymm2, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = zext <16 x i8> %x to <16 x i64>
store <16 x i64> %a, <16 x i64>* %y
ret void
}
define void @sext_v16i8_v16i64(<16 x i8> %x, <16 x i64>* %y) nounwind "min-legal-vector-width"="256" {
    ; CHECK-LABEL: sext_v16i8_v16i64:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovsxbw %xmm0, %ymm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpmovsxxwq %ymm1, %ymm1
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm2
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm3 = xmm2[2,3,0,1]
    ; CHECK-NEXT:    vpmovsxxwq %xmm3, %ymm3
    ; CHECK-NEXT:    vpmovsxxwq %xmm0, %ymm0
    ; CHECK-NEXT:    vpmovsxxwq %xmm2, %ymm2
    ; CHECK-NEXT:    vmovdqa %ymm2, 64(%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm0, (%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm3, 96(%rdi)
    ; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
%a = sext <16 x i8> %x to <16 x i64>
store <16 x i64> %a, <16 x i64>* %y
ret void
}
define void @vselect_split_v8i16_setcc(<8 x i16> %s, <8 x i16> %t, <8 x i64>* %p, <8 x i64>* %q, <8 x i64>* %r) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: vselect_split_v8i16_setcc:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rsi), %ymm2
    ; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm3
    ; CHECK-NEXT:    vpmpeqw %xmm1, %xmm0, %k1
    ; CHECK-NEXT:    kshiftrb $4, %k1, %k2
    ; CHECK-NEXT:    vmovdqa64 32(%rdi), %ymm3 [%k2]
    ; CHECK-NEXT:    vmovdqa64 (%rdi), %ymm2 [%k1]
    ; CHECK-NEXT:    vmovdqa %ymm2, (%rdx)
    ; CHECK-NEXT:    vmovdqa %ymm3, 32(%rdx)
    ; CHECK-NEXT:    vzeroupper
%b = select <16 x i1> %a, <16 x i32> %x, <16 x i32> %y
store <16 x i32> %b, <16 x i32>* %r
ret void
}

define void @vselect_split_v16i16_setcc(<16 x i16> %s, <16 x i16> %t, <16 x i32>* %p, <16 x i32>* %q, <16 x i32>* %r) "min-legal-vector-width"="256" {
; CHECK-LABEL: vselect_split_v16i16_setcc:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:  vpmpeqw %ymm1, %ymm0, %k1
; CHECK-NEXT:  kshiftw $8, %k1, %k2
; CHECK-NEXT:  vmovdqa32 32(%rdi), %ymm3 [%k2]
; CHECK-NEXT:  vmovdqa32 (%rdi), %ymm2 [%k1]
; CHECK-NEXT:  vmovdqa %ymm2, (%rdx)
; CHECK-NEXT:  vmovdqa %ymm3, 32(%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%x = load <16 x i32>, <16 x i32>* %p
%y = load <16 x i32>, <16 x i32>* %q
%a = icmp eq <16 x i16> %s, %t
%b = select <16 x i1> %a, <16 x i32> %x, <16 x i32> %y
store <16 x i32> %b, <16 x i32>* %r
ret void
}

define <16 x i8> @trunc_packus_v16i32_v16i8(<16 x i32>* %p) "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_packus_v16i32_v16i8:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vpackusdw 32(%rdi), %ymm0, %ymm0
; CHECK-NEXT:  vpermq {{.*#+}} ymm0 = ymm0[0,2,1,3]
; CHECK-NEXT:  vpmovuswb %ymm0, %xmm0
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <16 x i32>, <16 x i32>* %p
%b = icmp slt <16 x i32> %a, <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%c = select <16 x i1> %a, <16 x i32> %c, <16 x i32> %a
%d = icmp sgt <16 x i32> %c, zeroinitializer
%e = select <16 x i1> %d, <16 x i32> %c, <16 x i32> zeroinitializer
%f = trunc <16 x i32> %e to <16 x i8>
ret <16 x i8> %f
}

define void @trunc_packus_v16i32_v16i8_store(<16 x i32>* %p, <16 x i8>* %q) "min-legal-vector-width"="256"
%a = load <16 x i32>, <16 x i32>* %p
%b = icmp slt <16 x i32> %a, <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%c = select <16 x i1> %b, <16 x i32> %a, <16 x i32> <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%d = icmp sgt <16 x i32> %c, zeroinitializer
%e = select <16 x i1> %d, <16 x i32> %c, <16 x i32> zeroinitializer
%f = trunc <16 x i32> %e to <16 x i8>
store <16 x i8> %f, <16 x i8>* %q
ret void

define <64 x i1> @v64i1_argument_return(64 x i1> %x) "min-legal-vector-width"="256" {
CHECK-LABEL: v64i1_argument_return:
CHECK: # %bb.0:
CHECK-NEXT: retq
ret <64 x i1> %x
}

define void @v64i1_shuffle(<64 x i8>* %x, <64 x i8>* %y) "min-legal-vector-width"="256" {
CHECK-NEXT: v64i1_shuffle:
CHECK: # %bb.0: # %entry
CHECK-NEXT: vmovdqa (%rdi), %ymm1
CHECK-NEXT: vmovdqa 32(%rdi), %ymm0
CHECK-NEXT: vptestnmb %ymm1, %ymm1, %k0
CHECK-NEXT: kshiftrd $1, %k0, %k1
CHECK-NEXT: movq $-3, %rax
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrq $63, %k0, %k2
CHECK-NEXT: kshiftrq $62, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-5, %rax
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $3, %k0, %k2
CHECK-NEXT: kshiftrq $63, %k2, %k2
CHECK-NEXT: kshiftrq $61, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-9, %rax
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $2, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $60, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-17, %rax
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $5, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $59, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-33, %rax
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $4, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $58, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-65, %rax
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $5, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $57, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-129, %rax
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $6, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $56, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-257, %rax # imm = 0xFEFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $9, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $55, %k2, %k2
; CHECK-NEXT:    korq %k2, %k1, %k1
; CHECK-NEXT:    movq $-513, %rax # imm = 0xFDFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k1, %k1
; CHECK-NEXT:    kshiftrd $8, %k0, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $54, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-1025, %rax # imm = 0xFBFF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $11, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
CHECK-NEXT: kshiftrq $53, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-2049, %rax # imm = 0xF7FF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $10, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
CHECK-NEXT: kshiftrq $52, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-4097, %rax # imm = 0xEFFF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $13, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
CHECK-NEXT: kshiftrq $51, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-8193, %rax # imm = 0xDFFF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $12, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
CHECK-NEXT: kshiftrq $50, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-16385, %rax # imm = 0xBFFF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $15, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
CHECK-NEXT: kshiftrq $49, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-32769, %rax # imm = 0xFFFF7FFF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $14, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
CHECK-NEXT: kshiftrq $48, %k2, %k2
CHECK-NEXT: korq %k2, %k1, %k1
CHECK-NEXT: movq $-65537, %rax # imm = 0xFFFF7FFFF
CHECK-NEXT: kmovq %rax, %k2
CHECK-NEXT: kandq %k2, %k1, %k1
CHECK-NEXT: kshiftrd $17, %k0, %k2
CHECK-NEXT: kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $47, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-131073, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $16, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $46, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-262145, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $19, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $45, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-524289, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $18, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $44, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-1048577, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $21, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $43, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-2097153, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $20, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $42, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-4194305, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $23, %k0, %k2
; CHECK-NEXT:  kshiftlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $41, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-8388609, %rax # imm = 0xFFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $22, %k0, %k2
CHECK-NEXT:  kshiftrd $31, %k0, %k2
CHECK-NEXT:  kshiftlq $63, %k2, %k2
CHECK-NEXT:  kshiftrq $33, %k2, %k2
CHECK-NEXT:  korq %k2, %k1, %k1
CHECK-NEXT:  movabsq $-2147483649, %rax # imm = 0xFFFFFFFF7FFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
CHECK-NEXT:  kandq %k2, %k1, %k2
CHECK-NEXT:  vptestnmb %ymm0, %ymm0, %k1
CHECK-NEXT:  kshiftrd $30, %k0, %k0
CHECK-NEXT:  kshiftlq $63, %k0, %k0
CHECK-NEXT:  kshiftrq $32, %k0, %k0
CHECK-NEXT:  korq %k0, %k2, %k0
CHECK-NEXT:  movabsq $-4294967297, %rax # imm = 0xFFFFFFFFEFFFFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
CHECK-NEXT:  kandq %k2, %k0, %k0
CHECK-NEXT:  kshiftlq $63, %k0, %k0
CHECK-NEXT:  kshiftrq $31, %k2, %k2
CHECK-NEXT:  korq %k2, %k0, %k0
CHECK-NEXT:  movabsq $-8589934593, %rax # imm = 0xFFFFFFFFFDFFFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
CHECK-NEXT:  kandq %k2, %k1, %k2
CHECK-NEXT:  kshiftlq $63, %k1, %k2
CHECK-NEXT:  kshiftrq $31, %k2, %k2
CHECK-NEXT:  korq %k2, %k0, %k0
CHECK-NEXT:  movabsq $-17179869185, %rax # imm = 0xFFFFFFFFEFFFFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
CHECK-NEXT:  kandq %k2, %k0, %k0
CHECK-NEXT:  kshiftlq $63, %k0, %k0
CHECK-NEXT:  kshiftrq $30, %k2, %k2
CHECK-NEXT:  korq %k2, %k0, %k0
CHECK-NEXT:  movabsq $-34359738369, %rax # imm = 0xFFFFFFFF7FFFFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
CHECK-NEXT:  kandq %k2, %k1, %k2
CHECK-NEXT:  kshiftlq $63, %k1, %k2
CHECK-NEXT:  kshiftrq $29, %k2, %k2
CHECK-NEXT:  korq %k2, %k0, %k0
CHECK-NEXT:  movabsq $-68719476737, %rax # imm = 0xFFFFFFFFEFFFFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
CHECK-NEXT:  kandq %k2, %k0, %k0
CHECK-NEXT:  kshiftlq $63, %k0, %k0
CHECK-NEXT:  kshiftrq $28, %k2, %k2
CHECK-NEXT:  korq %k2, %k0, %k0
CHECK-NEXT:  movabsq $-137438953473, %rax # imm = 0xFFFFFFFFDFFFFFFFFF
CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $13, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $19, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-35184372088833, %rax # imm = 0xFFFFDFFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $12, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $18, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-70368744177665, %rax # imm = 0xFFFFBFFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $15, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $17, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-140737488355329, %rax # imm = 0xFFFF7FFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $14, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $16, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-281474976710657, %rax # imm = 0xFFFEFFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $17, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $15, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-562949953421313, %rax # imm = 0xFFFDFFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $16, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $14, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
; CHECK-NEXT:    movabsq $-1125899906842625, %rax # imm = 0xFFFBFFFFFFFFFFFFF
; CHECK-NEXT:    kmovq %rax, %k2
; CHECK-NEXT:    kandq %k2, %k0, %k0
; CHECK-NEXT:    kshiftrd $19, %k1, %k2
; CHECK-NEXT:    kshiftlq $63, %k2, %k2
; CHECK-NEXT:    kshiftrq $13, %k2, %k2
; CHECK-NEXT:    korq %k2, %k0, %k0
entry:
%a = load <64 x i8>, <64 x i8>* %x
%b = icmp eq <64 x i8> %a, zeroinitializer
%shuf = shufflevector <64 x i1> %b, <64 x i1> undef, <64 x i32> %i32 1, %i32 2, %i32 3, %i32 4, %i32 5, %i32 6, %i32 7, %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %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 32, %i32 33, %i32 34, %i32 35, %i32 36, %i32 37, %i32 38, %i32 39, %i32 40, %i32 41, %i32 42, %i32 43, %i32 44, %i32 45, %i32 46, %i32 47, %i32 48, %i32 49, %i32 50, %i32 51, %i32 52, %i32 53, %i32 54, %i32 55, %i32 56, %i32 57, %i32 58, %i32 59, %i32 60, %i32 61, %i32 62 >
call void @llvm.masked.store.v64i8.p0v64i8(<64 x i8> %a, <64 x i8>* %y, i32 %i32 1, <64 x i1> %shuf)
ret void 
}
declare void @llvm.masked.store.v64i8.p0v64i8(<64 x i8>, <64 x i8>*, i32, <64 x i1>)

@mem64_dst = global i64 0, align 8
@mem64_src = global i64 0, align 8
define i32 @v64i1_inline_asm() "min-legal-vector-width"="256" {
; CHECK-LABEL: v64i1_inline_asm:
; CHECK: # %bb.0:
; CHECK-NEXT: kmovq %{.*}(%rip), %k0
; CHECK-NEXT: #APP
; CHECK-NEXT: %NO_APP
; CHECK-NEXT: kmovq %k0, %{.*}(%rip)
; CHECK-NEXT: movl -{{[0-9]+}}(%rsp), %eax
; CHECK-NEXT: retq
%1 = alloca i32, align 4
%2 = load i64, i64* @mem64_src, align 8
%3 = call i64 asm "","=k.k,~{dirflag},~{fpsr},~{flags}"(i64 %2)
store i64 %3, i64* @mem64_dst, align 8
%4 = load i32, i32* %1, align 4
ret i32 %4
}
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*/
target triple = "x86_64-unknown-linux-gnu"

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #0 {
  CHECK-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT: store <8 x i64>, <8 x i64>* [[ARG1_VAL]], <8 x i64>* [[ARG]]
  CHECK-NEXT: ret void

bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  CHECK-LABEL: define {{[^@]+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
  CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  CHECK-NEXT: ret void

bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
```assembly
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
  CHECK-LABEL: define [[[^@]+]]@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT:  store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
  CHECK-NEXT:  ret void
}

 define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
  CHECK-LABEL: define [[[^@]+]]@avx512_legal512_prefer256_call_avx512_legal512_prefer256
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
  CHECK-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  CHECK-NEXT:  call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  CHECK-NEXT:  [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  CHECK-NEXT:  call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
  CHECK-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  CHECK-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  CHECK-NEXT:  ret void
}

 define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
  CHECK-LABEL: define [[[^@]+]]@avx512_legal512_prefer256_call_avx512_legal512_prefer256
  CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
  CHECK-NEXT: bb:
  CHECK-NEXT:  %tmp = alloca <8 x i64>, align 32
  CHECK-NEXT:  %tmp2 = alloca <8 x i64>, align 32
  CHECK-NEXT:  %tmp3 = bitcast <8 x i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
```
ret void

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #1 {
  ; CHECK-LABEL: define {
  ; CHECK-SAME: (<8 x i64>* [[ARG:.*]], <8 x i64>* [[ARG1_VAL:.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
  ; CHECK-NEXT: ret void

    bb:
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg) #0 {
  ; CHECK-LABEL: define {
  ; CHECK-SAME: (<8 x i64>* [[ARG:.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  ; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  ; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64> ["TMP_VAL"])
  ; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  ; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  ; CHECK-NEXT: ret void

    bb:
    %tmp = alloca <8 x i64>, align 32
    %tmp2 = alloca <8 x i64>, align 32
    %tmp3 = bitcast <8 x i64>* %tmp to i8*
    call void @llvm.memset.p0i8.i64(i8* %tmp3, i8 0, i64 32, i1 false)
    call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
    %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
    store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
    ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #0 {
define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
  ; CHECK-LABEL: define {{\[^@\]+}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
  ; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: store <8 x i64> [[ARG1:%.*]], <8 x i64>* [[ARG]]
  ; CHECK-NEXT: ret void
    
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
  ; CHECK-LABEL: define {{\[^@\]+}}@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64>* [[ARG1:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
  ; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
  ; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64>* [[TMP_VAL]])
  ; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
  ; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  ; CHECK-NEXT: ret void
    
  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
  ; CHECK-LABEL: define {{\[^@\]+}}@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64>* readonly [[ARG1:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]]
  ; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]]
  ; CHECK-NEXT: ret void
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define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #2 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
define void @avx512_legal512_prefer256_call_avx512_legal256_prefer256(
<8 x i64>* %arg) #1 {
; CHECK-LABEL: define {{[^@]+}} @avx512_legal512_prefer256_call_avx512_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(
<8 x i64>* [[TMP2]], <8 x i64>* [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
}

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(
<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(
<8 x i64>* %arg, <8 x i64>* readonly %arg1) #3 {
; CHECK-LABEL: define {{[^@]+}} @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(
<8 x i64>* %arg) #4 {
; CHECK-LABEL: define {{[^@]+}} @avx2_legal256_prefer256_call_avx2_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32

; CHECK-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT:  call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT:  [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT:  call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64>* [[TMP_VAL]])
; CHECK-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG1]], align 2
; CHECK-NEXT:  ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #4 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT:  bb:
; CHECK-NEXT:  store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT:  ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg) #3 {
; CHECK-LABEL: define {{[^@]+}}@avx2_legal512_prefer256_call_avx2_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT:  bb:
; CHECK-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT:  call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT:  [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT:  call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal512_prefer256(<8 x i64>* [[TMP2]], <8 x i64>* [[TMP_VAL]])
; CHECK-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32

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; CHECK-NEXT:    store <8 x i64> [[TMP4]], <8 x i64>** [[ARG]], align 2
; CHECK-NEXT:    ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; Function Attrs: argmemonly nounwind
declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5

attributes #0 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="512" }
attributes #1 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
attributes #2 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
attributes #3 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
attributes #4 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
attributes #5 = { argmemonly nounwind }

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; 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 label %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
]

sw.bb.i17: ; preds = %.exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20: ; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2: ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end: ; preds = %entry
ret void ; preds = %entry

attributes #0 = { nounwind optsizetarget-cpu="hexagonv55" } ; 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
; CHECK-DAG: sshll2.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; 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
}

; 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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THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "i686-unknown-linux-gnu"
; 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: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C1]], 7
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %[[M4:const_mat[0-9]??]] = add i32 %[[C2]], 31
; CHECK-NEXT: %8 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %[[M5:const_mat[0-9]??]] = add i32 %[[C3]], 7
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %11 = load volatile i8, i8* %11
; CHECK-NEXT: %[[M6:const_mat[0-9]??]] = add i32 %[[C1]], 80
; CHECK-NEXT: %12 = inttoptr i32 %[[M6]] to i8*
; CHECK-NEXT: store i8* %14, i8** @goo

@goo = global i8* undef

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*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 32
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C2]], 62
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %8 = inttoptr i32 %[[C1]] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %[[M4:const_mat[0-9]??]] = add i32 %[[C1]], 22
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i16*
; CHECK-NEXT: %11 = load volatile i16, i16* %10, align 2

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 805874752 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
}

; Check that for i32 type, the maximum legal offset is 124.
; CHECK: foo_i32
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874816 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i32*
; CHECK-NEXT: %1 = load volatile i32, i32* %0, align 4
; CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i32*
; CHECK-NEXT: %3 = load volatile i32, i32* %2, align 4
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 124
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i32*
; CHECK-NEXT: %5 = load volatile i32, i32* %4, align 4
define void @foo_i32() {
 entry:
   %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
   %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
}

#define People who have agreed to one of the CLAs and can contribute patches.
#define The AUTHORS file lists the copyright holders; this file
#define lists people. For example, Google employees are listed here
# but not in AUTHORS, because Google holds the copyright.
#
#define Names should be added to this file only after verifying that
#define the individual or the individual's organization has agreed to
#define the appropriate Contributor License Agreement, found here:
#
#define https://developers.google.com/open-source/cla/individual
#define https://developers.google.com/open-source/cla/corporate
#
#define The agreement for individuals can be filled out on the web.
#
#define When adding J Random Contributor's name to this file,
#define either J's name or J's organization's name should be
#define added to the AUTHORS file, depending on whether the
#define individual or corporate CLA was used.
#
#define Names should be added to this file as:
#define Name <email address>
#
#define Please keep the list sorted.

Albert Pretorius <pretoalb@gmail.com>
Arne Beer <arne@twobeer.de>
Billy Robert O'Neal III <billy.oneal@gmail.com> <bion@microsoft.com>
Chris Kennelly <ckennelly@google.com> <ckennelly@ckennelly.com>
Christopher Seymour <chris.j.seymour@hotmail.com>
scrub-attributes

; NOTE: Assertions have been autogenerated by utils/update_test_checks.py UTC_ARGS: --function-signature --scrub-attributes
; RUN: opt -S -passes='attributor' -aa-pipeline='basic-aa' -attributor-disable=false -attributor-max-iterations-verify -attributor-max-iterations=2 < %s | FileCheck %s
; Test that we only promote arguments when the caller/callee have compatible
; function attributes.

target triple = "x86_64-unknown-linux-gnu"

; This should promote

define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #0 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512
; CHECK-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[ARG1:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 32
; CHECK-NEXT: ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
; CHECK-LABEL: define {{[^@]+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
; CHECK-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[ARG1:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 32
; CHECK-NEXT: ret void

; bb:
%tmp = load <8 x i64>, <8 x i64>* %arg
store <8 x i64> %tmp, <8 x i64>* %arg
ret void

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
; CHECK-LABEL: define {{[^@]+}}@avx512_legal512_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* nonnull align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void

; bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp4, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[ARG1:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG1]], align 32
define void @avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* %arg1) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* %arg1) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {  
; CHECK-LABEL: define {{[^@]+}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
; CHECK-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
  
bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[ARG1:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG1]], align 32
; CHECK-NEXT: ret void
  
bb:
  %tmp = alloca <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg1
  ret void
define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
  ; CHECK-LABEL: define {{[^@]+}} @avx512_legal256_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
  ; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
  ; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* nonnull align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
  ; CHECK-NEXT: call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture noreturn null nonnull writeonly align 32 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture noreturn null nonnull writeonly align 32 dereferenceable(64) [[TMP]])
  ; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* nonnull writeonly align 32 dereferenceable(64) [[TMP2]], align 32
  ; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
  ; CHECK-NEXT: ret void
}

bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* noalias nocapture noreturn nonnull writeonly align 32 dereferenceable(64) [[ARG]], <8 x i64>* noalias nocapture noreturn nonnull writeonly align 32 dereferenceable(64) [[ARG1]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 32
  ; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 32
  ; CHECK-NEXT: ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #2 {
  ; CHECK-LABEL: define {{[^@]+}} @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
  ; CHECK-SAME: (<8 x i64>* noalias nocapture noreturn nonnull writeonly align 32 dereferenceable(64) [[ARG:%.*]], <8 x i64>* noalias nocapture noreturn nonnull readonly align 32 dereferenceable(64) [[ARG1:%.*]])
  ; CHECK-NEXT: bb:
  ; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 32
  ; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 32
  ; CHECK-NEXT: ret void
}

bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1) #3 {
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}

define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg) #4 {
    %tmp = load <8 x i64>, <8 x i64>* %arg
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}

; This should promote
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1) #3 {
    %tmp = load <8 x i64>, <8 x i64>* %arg1
    store <8 x i64> %tmp, <8 x i64>* %arg
    ret void
}
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 32 dereferenceable(64) [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: ret void

bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

; This should promote
define internal fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #4 {
; CHECK-LABEL: define {{[^@]+}}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; CHECK-SAME: (<8 x i64>* noalias noca

call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void

define void @avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg) #3 {
; CHECK-LABEL: define {{[^@]+}}@avx2_legal512_prefer256_call_avx2_legal256_prefer256
; CHECK-SAME: (<8 x i64>* noalias nocap

call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void

define void @avx2_legal512_prefer256_call_avx2legal256_prefer256(<8 x i64>* %arg) #3 {
; CHECK-LABEL: define {{[^@]+}}@avx2_legal512_prefer256_call_avx2legal256_prefer256
; CHECK-SAME: (<8 x i64>* nocap

; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* nonnull align 32 dereferenceable(64) [[TMP3]], i8 0, i64
32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>*
noalias nocapture nofree nonnull writeonly align 32 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture
nofree nonnull readonly align 32 dereferenceable(64) [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>*
%tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}
; Function Attrs: argmemonly nounwind
declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5
attributes #0 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vectorwidth"="512" "prefer-vector-width"="512" }
attributes #1 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vectorwidth"="512" "prefer-vector-width"="256" }
attributes #2 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vectorwidth"="256" "prefer-vector-width"="256" }
attributes #3 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="512"
"prefer-vector-width"="256" }
attributes #4 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="256"
"prefer-vector-width"="256" }
attributes #5 = { argmemonly nounwind }
; RUN: llc -O3 -mtriple=powerpc-unknown-linux-gnu -mcpu=e500 -mattr=spe < %s | FileCheck %s
; PowerPC SPE is a rare in-tree target that has the FP_TO_SINT node marked
; as Legal.
; Verify that fptosi(42.1) isn't simplified when the rounding mode is
; unknown.
; Verify that no gross errors happen.
; CHECK-LABEL: @f20
; COMMON: cfdctsiz
define i32 @f20(double %a) strictfp {
entry:
%result = call i32 @llvm.experimental.constrained.fptosi.i32.f64(double 42.1,

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metadata !"fpexcept.strict")

strictfp

ret i32 %result

@

@llvm.fp.env = thread_local global i8 zeroinitializer, section "llvm.metadata"
declare i32 @llvm.experimental.constrained.fptosi.i32.f64(double, metadata)

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LLVM System Interface Library

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; 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
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @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
}

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
  ; VEC256-LABEL: 'zext256'
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 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
  ;
  ; VEC512-LABEL: 'zext256'
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; 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 @zext512() "min-legal-vector-width"="512" {
  ; AVX-LABEL: 'zext512'
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 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

  ; SKX256-LABEL: 'zext512'
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  ; VEC512-LABEL: 'zext512'
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
  ; 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 3 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 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 3 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 1 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 3 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 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-NEXT: Cost Model: Found an estimated cost of 1 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-NEXT: Cost Model: Found an estimated cost of 1 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

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_credential.c
lib/gssapi/mechglue/g_canonicalize.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_duplicate.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_release_buffer.c
lib/gssapi/mechglue/g_release_cred.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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 * /opt/cola/permits/1171059844_1622794801.49/0/camunda-engine-plugin-spin-7-15-0-sources-jar/org/camunda/spin/plugin/variable/type/JsonValueType.java
 * /opt/cola/permits/1171059844_1622794801.49/0/camunda-engine-plugin-spin-7-15-0-sources-jar/org/camunda/spin/plugin/impl/SpinScriptEnvResolver.java
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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<link rel="stylesheet" type="text/css" href="styles.css" />
<title>uthash: a hash table for C structures</title>
</head>
<body>
<div id="banner">
<img src="banner.png" alt="uthash: a hash table for C structures" />
</div> <!-- banner -->

<hr />
<div id="main">
<pre>
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            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
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                        <th>Package Artifact</th>
                        <th>Package Version</th>
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                        <th>Local Licenses</th>
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                            </td>
                        </tr>
                    </xsl:for-each>
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        </html>
    </xsl:template>
</xsl:stylesheet>
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******************************************************************************/

# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-OpenMRS) dependency (maven or 
otherwise) that OpenMRS uses. This information can be used to check if there are conflicts or other issues that could 
create a legal encumbrance for the users or developers of OpenMRS.
## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```
and non-maven dependencies:

```xml
<other>
  <description>jQuery</description>
  <locations>
    <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
    </license>
  </licenses>
</other>

<other>
  <description>AngularJS</description>
  <locations>
    <directory>themes/keycloak/common/resources/lib/angular</directory>
  </locations>
  <licenses>
    <license>
      <name>MIT License</name>
      <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
    </license>
  </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```bash
$ distribution/licenses-common/download-license-files.sh distribution/feature-packs/server-feature-
pack/src/main/resources/licenses/rh-sso/licenses.xml

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system. This copy of Jackson JSON processor databind module is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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Version 2.0, January 2004

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0%2Bis%3Aclosed)

## Contributing
Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning
Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>,<minor>,<patch>`

And constructed with the following guidelines:
* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

##Author
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- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

##Component
To include as a [component](http://github.com/component/component), just run

    $ component installFontAwesome/Font-Awesome

Or add

    "FontAwesome/Font-Awesome": "*

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

    $ bundle install
    $ npm install

Build the project and documentation:

    $ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

    $ bundle exec jekyll -w serve

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1.2043 jboss-transaction-spi 7.6.0.Final

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from typing import Any, Dict, List

from github.GithubObject import CompletableGithubObject

class License(CompletableGithubObject):
    def __repr__(self) -> str: ...
    def _initAttributes(self) -> None: ...
    def _useAttributes(self, attributes: Dict[str, Any]) -> None: ...
    @property
    def body(self) -> str: ...
@property
def conditions(self) -> List[str]: ...

@property
def description(self) -> str: ...

@property
def html_url(self) -> str: ...

@property
def implementation(self) -> str: ...

@property
def key(self) -> str: ...

@property
def limitations(self) -> List[str]: ...

@property
def name(self) -> str: ...

@property
def permissions(self) -> List[str]: ...

@property
def url(self) -> str: ...

@property
def spdx_id(self) -> str: ...

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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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<?xml version="1.0"?
<xsl:stylesheet version="1.0"
   xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
   <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
   <xsl:param name="product"/>
   <xsl:param name="version"/>
   <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />
   <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />

   <xsl:template match="/"
      <html>
        <head>
          <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
          <link rel="stylesheet" type="text/css" href="licenses.css"/>
        </head>
        <body>
          <p>The following material has been provided for informational purposes only, and should not be relied
             upon or construed as a legal opinion or legal advice.</p>
          <!-- Read matching templates -->
          <table>
            <tr>
              <th>Package</th>
              <th>Package Artifact</th>
              <th>Package Version</th>
              <th>Remote Licenses</th>
              <th>Local Licenses</th>
            </tr>
            <xsl:for-each select="licenseSummary/dependencies/dependency">
              <xsl:sort select="concat(groupId, '.', artifactId)"/>
              <tr>
                <td><xsl:value-of select="concat(groupId, packageName)"/></td>
                <td><xsl:value-of select="artifactId"/></td>
                <td><xsl:value-of select="version"/></td>
                <td>
                  <xsl:for-each select="licenses/license">
                    </td>
                <td>
                  <xsl:for-each select="licenses/license">
                    </td>
                </xsl:for-each>
              </tr>
            </xsl:for-each>
          </table>
        </body>
      </html>
<table border="1">
  <tr>
    <td><a href="{./url}"><xsl:value-of select="name"/></a><br/></td>
    <td><xsl:for-each select="licenses/license">
      <xsl:variable name="name" select="translate(name,$uppercase,$lowercase)" />
      <xsl:variable name="last-index">
        <xsl:call-template name="last-index-of">
          <xsl:with-param name="txt" select="url"/>
          <xsl:with-param name="delimiter" select="/"/>
        </xsl:call-template>
      </xsl:variable>
      <xsl:variable name="prefix" select="concat($name,' - ')" />
      <xsl:variable name="postfix" select="substring(url,$last-index+1)" />
      <xsl:variable name="filename">
        <xsl:call-template name="remap-local-filename">
          <xsl:with-param name="filename" select="concat($prefix,translate($postfix,$uppercase,$lowercase))"/>
        </xsl:call-template>
      </xsl:variable>
      <a href="{$filename}"><xsl:value-of select="$filename"/></a><br/>
    </xsl:for-each></td>
  </tr>
</table>

<xsl:template name="last-index-of">
  <xsl:param name="txt"/>
  <xsl:param name="remainder" select="$txt"/>
  <xsl:param name="delimiter" select=""/>
  <xsl:choose>
    <xsl:when test="contains($remainder, $delimiter)">
      <xsl:call-template name="last-index-of">
        <xsl:with-param name="txt" select="$txt"/>
        <xsl:with-param name="remainder" select="substring-after($remainder, $delimiter)"/>
        <xsl:with-param name="delimiter" select="\$delimiter"/>
      </xsl:call-template>
    </xsl:when>
    <xsl:otherwise>
      <xsl:variable name="lastIndex" select="string-length(substring($txt, 1, string-length($txt)-string-length($remainder))+1)"/>
      <xsl:choose>
        <xsl:when test="string-length($remainder)=0">
          ...
<xsl:template name="remap-local-filename">
  <xsl:param name="filename"/>
  <xsl:choose>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '2-clause')">
      <xsl:text>bsd-2-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '3-clause')">
      <xsl:text>bsd-3-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '1.1')">
      <xsl:text>apache-1.1.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '2.0')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'jsr-000107')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'cddl') and contains($filename, 'gplv2')">
      <xsl:text>cddl-gplv2-classpath.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'common public license')">
      <xsl:text>common public license 1.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'gnu library general public license, version 2 - lgpl-2.0.txt'">
      <xsl:text>gnu library general public license, version 2.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'lgpl.txt'">
      <xsl:text>gnu library general public license, version 2.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'the dom4j license - license'">
      <xsl:text>the dom4j license.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'creative commons attribution 2.5 - legalcode'">
      <xsl:text>creative commons attribution 2.5.html</xsl:text>
    </xsl:when>
  </xsl:choose>
</xsl:template>
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Version 1.1 - 26 February 2007

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1.2054 jackson 2.12.1
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* /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java
* /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java
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* /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
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* /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java

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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="https://linux.die.net//man/7/tcp">TCP_QUICKACK</a>` for more details.
*/

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 * /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/Native.java
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 * /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java
 * /opt/cola/permits/1136534488_1613780692.52/0/netty-transport-native-epoll-4-1-59-final-sources-jar/io/netty/channel/epoll/EpollDatagramPacketArray.java
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* /opt/cola/permits/1174808643_1624022260.73/0/wildfly-elytron-client-1-15-3-final-sources-jar/org/wildfly/security/credential/source/OAuth2CredentialSource.java

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* /opt/cola/permits/1171059900_1622804660.33/0/feel-engine-1-13-1-sources-jar/org/camunda/feel/context/CustomFunctionProvider.scala
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lib/krb5/kdb/kdb_log.h
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
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lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.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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```markdown
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include/GL/glxext.h
include/GL/wglxext.h

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1.2082 netty-transport-native-epoll

4.1.62.Final

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Manifest-Version: 1.0
Implementation-Title: Netty/Transport/Native/Epoll
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.transport.epoll
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.transport-native-epoll
Implementation-Version: 4.1.62.Final
Built-By: root
Bnd-LastModified: 1617125771772
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.buffer;version="[4.1,5)",io.netty.channel.io.netty.channel.socket;version="[4.1,5)",io.netty.channel.socket.nio.buffer;version="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch.resolution=optional,org.eclipse.jetty.npn;version="[1,2)",resolution=optional
Require-Capability: osgi.ee:filter="(&(osgi.ee=JavaSE)(version=1.6))"
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Implementation-Vendor: The Netty Project
Export-Package: io.netty.channel.epoll;uses="io.netty.buffer,io.netty.channel.socket,io.netty.channel.socket.nio.buffer,io.netty.channel.unix,io.netty.channel.unix.nio.buffer,io.netty.channel.unix.nio.ch.resolution=optional,org.eclipse.jetty.npn;version="[1,2)",resolution=optional
Bundle-Name: Netty/Transport/Native/Epoll
Bundle-Version: 4.1.62.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_272
Implementation-URL: https://netty.io/netty-transport-native-epoll/
1.2083 keycloak-authz-policy-common 14.0.0

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<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumberance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven
projects, you can look at the pom too, but its license information is not always present or correct. It’s usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
<dependency>
    <groupId>org.sonatype.plexus</groupId>
    <artifactId>plexus-sec-dispatcher</artifactId>
    <version>1.3</version>
    <licenses>
        <license>
            <name>Apache Software License 2.0</name>
            <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
        </license>
    </licenses>
</dependency>

<dependency>
    <groupId>org.antlr</groupId>
    <artifactId>antlr-runtime</artifactId>
    <version>3.5</version>
    <licenses>
        <license>
            <name>BSD 3-clause New or Revised License</name>
        </license>
    </licenses>
</dependency>
```

and non-maven dependencies:
```xml
<other>
    <description>jQuery</description>
    <locations>
        <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
        </license>
    </licenses>
</other>

<other>
    <description>AngularJS</description>
    <locations>
        <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
    <licenses>
        <license>
            <name>MIT License</name>
            <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
        </license>
    </licenses>
</other>
```

Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmllstarlet

### Product builds
RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

```markdown
## How to use these buttons

<button class="zocial facebook">Button label here</button>
```

or

```markdown
<a class="zocial twitter">Button label</a>
```

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)

## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)
Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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Version 2.0, January 2004

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```xml
<xml version="1.0"/>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="productname"/>
    <xsl:param name="version"/>
    <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'"/>
    <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'"/>

    <xsl:template match="/">
        <html>
            <head>
                <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
                <link rel="stylesheet" type="text/css" href="licenses.css"/>
            </head>
            <body>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
                <table>
                    <tr>
                        <th>Package Group</th>
                        <th>Package Artifact</th>
                        <th>Package Version</th>
                        <th>Remote Licenses</th>
                        <th>Local Licenses</th>
                    </tr>
                    <xsl:for-each select="licenseSummary/dependencies/dependency"/>
                </table>
            </body>
        </html>
    </xsl:template>
</xsl:stylesheet>
```
Open Source Used In Branch Migration Tool 1.9

<table>
<thead>
<tr>
<th>Description</th>
<th>Locations</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>
"mocha": "^8.4.0",
"npm-run-all": "^4.1.5",
"nyc": "^15.1.0",
"prettier": "^2.2.0",
"rimraf": "^3.0.2",
"rollup": "^2.47.0",
"rollup-pluginfilesize": "^9.1.1",
"rollup-plugin-flow-entry": "^0.3.5",
"rollup-plugin-mjs-entry": "^0.1.1",
"sucrase": "^3.18.1",
"typescript": "^4.1.2"
}
}

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites,
created and maintained by [Dave Gandy](http://twitter.com/davegandy).
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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-
## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).

Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

- Email: dave@fontawesome.io
- Twitter: [http://twitter.com/davegandy](http://twitter.com/davegandy)
- GitHub: [https://github.com/davegandy](https://github.com/davegandy)
## Component
To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "~*
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```

Or serve it on a local server on `http://localhost:7998/Font-Awesome/`:

```
$ bundle exec jekyll -w serve
```

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1.2084 smallrye-mutiny-vertx-runtime 2.1.1

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1.2092 resteasy-client-microprofile-base

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Device drivers  src/mesa/drivers/*    MIT, generally

Gallium code  src/gallium/    MIT

Ext headers  GL/glext.h    Khronos
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include/GL/glxext.h
include/GL/wglext.h :

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Bert Belder: wepoll v 1.5.8

wepoll License

wepoll - epoll for Windows
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g getopt.c - my re-implementation of getopt.

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006

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<td>Google Test</td>
<td>llvm/utils/unittest/googletest</td>
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1.2112 pycparser 2.20

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1.2113 vdx-wildfly 1.1.6

1.2114 cachetools 4.2.4

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MySQL Connector/J 8.0

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Last updated: October 2020

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from a designated place, then offering equivalent access to copy the
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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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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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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
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Julian Seward, Cambridge, UK.
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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI) in the Netherlands as a successor of a language called ABC. Guido is Python's principal author, although it includes many contributions from others. The last version released from CWI was Python 1.2. In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI) in Reston, Virginia where he released several versions of the software. Python 1.6 was the last of the versions released by CNRI. In 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. Python 2.0 was the first and only release.
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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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1.2144 ca-certificates-java 20190405

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1.2145 python-rundeps 20211122.215912
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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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Open Source Used In Branch Migration Tool 1.9  21109

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# version 0.1
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@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

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D3DES (V5.09) -

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge.
Thanks to: Dan Hoey for his excellent Initial and Inverse permutation
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AES in libhcrypto

rijndael-alg-fst.c

@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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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.


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lib/hcrypto/test_dh.c

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1.2165 libgtk 3.24.5-1

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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
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# Dependency License Information

## Why should we track license info?

We need to keep track of the licenses that apply to each third party (non-Keycloak) dependency (maven or otherwise) that Keycloak uses. This information can be used to check if there are conflicts or other issues that could create a legal encumbrance for the users or developers of Keycloak.

## How to determine a dependency's license info

Since the maven ecosystem does not maintain high quality license metadata, no automated process (like license-maven-plugin for example) is acceptable for making the determination of what license applies to a particular maven dependency. The licenses of non-maven dependencies (JavaScript, images, fonts, etc.) must also be determined manually.

To manually determine a license, clone/checkout the source code at the tag or commit that applies to the version of the dependency you're adding or updating (licenses do sometimes change between versions). This is a lot easier to do immediately, especially for non-maven dependencies, as later it may not be clear where the files came from, or what version they were. Once you have the source, look at the readme and search around for license files. For maven projects, you can look at the pom too, but its license information is not always present or correct. It's usually obvious what the license is, but sometimes one part of the source has a different license, or there may be more than one license that applies to your dependency.

## How to store license info

Typically, each zip that gets distributed to users needs to contain a license XML and individual license files, plus an html file generated at build time.

The XML and individual files are maintained in git. When you change or add a dependency that is a part of:

- an adapter, modify `distribution/{saml-adapters,adapters}/*/*/src/main/resources/licenses/rh-sso/licenses.xml`, for example `distribution/saml-adapters/as7-eap6-adapter/eap6-adapter-zip/src/main/resources/licenses/rh-sso/licenses.xml`.

Maven dependencies go into a `licenseSummary/dependencies/dependency` element, and non-maven dependencies go into a `licenseSummary/others/other` element.

Here are some examples of maven dependencies:

```xml
```
<licenses>
  <license>
    <name>Apache Software License 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url> <!-- Source repo contains no license file -->
  </license>
</licenses>

<dependency>
  <groupId>org.antlr</groupId>
  <artifactId>antlr-runtime</artifactId>
  <version>3.5</version>
  <licenses>
    <license>
      <name>BSD 3-clause New or Revised License</name>
    </license>
  </licenses>
</dependency>

```
and non-maven dependencies:
```
```
```xml
  <other>
    <description>jQuery</description>
    <locations>
      <file>themes/keycloak/common/resources/lib/jquery/jquery-1.10.2.js</file>
    </locations>
    <licenses>
      <license>
        <name>MIT License</name>
        <url>https://raw.githubusercontent.com/jquery/jquery/1.10.2/MIT-LICENSE.txt</url>
      </license>
    </licenses>
  </other>
  <other>
    <description>AngularJS</description>
    <locations>
      <directory>themes/keycloak/common/resources/lib/angular</directory>
    </locations>
    <licenses>
      <license>
        <name>MIT License</name>
        <url>https://raw.githubusercontent.com/angular/angular.js/v1.4.4/LICENSE</url>
      </license>
    </licenses>
  </other>
  ```
Look at the licenses.xml files in this repository for more examples.

After modifying a license XML, you must run `download-license-files.sh` against it. This script will update the individual license files that are stored in the same directory as the XML.

Example command line:

```bash
```

The following shell commands must be available for the script to work:

- curl
- dos2unix
- sha256sum
- xmlstarlet

### Product builds

RH-SSO is built on an internal build system. If you've added or updated license data for the product, you might need to import the corresponding dependency artifact into this internal build system.

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# Zocial CSS social buttons

I basically rewrote this entire set so they are full vector buttons, meaning:

- @font-face icons
- custom font file for all social icons
- icon font use private unicode spaces for accessibility
- em sizing based on button font-size
- support for about 83 different services
- buttons and icons supported
- no raster images (sweet)
- works splendidly on any browser supporting @font-face
- CSS3 degrades gracefully in IE8 and below etc.
- also includes generic icon-less primary and secondary buttons

## How to use these buttons

<button class="zocial facebook">Button label here</button>

or

<a class="zocial twitter">Button label</a>

- Can be any element e.g. `a`, `div`, `button` etc.
- Add class of `.zocial`
- Add class for name of service e.g. `.dropbox`, `.twitter`, `.github`
- Done :-)  

Check out [zocial.smcllns.com](http://zocial.smcllns.com) for demo and code examples.

There's also a LESS version from @gustavohenke [here](https://github.com/gustavohenke/zocial-less)

Problems, questions or requests to [@smcllns](http://twitter.com/smcllns)
## How to contribute

Install [Font Custom](http://fontcustom.com/#installation)

Run `fontcustom compile` to build the font.

New fonts are defined by adding them in the `svg/` folder. For color settings see the `templates/zocial.css` file.

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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

    <xsl:param name="productname"/>

    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
    <xsl:param name="productname"/>

</xsl:stylesheet>
The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.

<table>
<thead>
<tr>
<th>Package Group</th>
<th>Package Artifact</th>
<th>Package Version</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
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<tbody>
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</tr>
</tbody>
</table>

Note: The Remote Licenses column contains links to the actual licenses. The Local Licenses column contains links to text files containing the actual licenses.
<table>
<thead>
<tr>
<th>Description</th>
<th>Locations</th>
<th>Remote Licenses</th>
<th>Local Licenses</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

```xml
<tr>
  <th>Description</th>
  <th>Locations</th>
  <th>Remote Licenses</th>
  <th>Local Licenses</th>
</tr>
<xsl:for-each select="licenseSummary/others/other">
  <xsl:sort select="description"/>
  <tr>
    <td><xsl:value-of select="description"/></td>
    <td>
      <ul>
        <xsl:for-each select="locations/*[self::file or self::directory]">
          <li class="{local-name()}"><xsl:value-of select="."/></li>
        </xsl:for-each>
        <xsl:for-each select="locations/archive">
          <li class="archive">
            <p><xsl:value-of select="file"/></p>
            <ul>
              <xsl:for-each select="innerpath">
                <li><xsl:value-of select="."/></li>
              </xsl:for-each>
            </ul>
          </li>
        </xsl:for-each>
      </ul>
    </td>
    <td>
      <ul>
        <xsl:for-each select="licenses/license">
          <li><a href="./url"><xsl:value-of select="name"/></a></li>
        </xsl:for-each>
      </ul>
    </td>
    <td>
      <ul>
        <xsl:for-each select="licenses/license">
          <xsl:variable name="filename" select="concat(../../description, ',', name, '.txt')"/>
          <li><a href="{$filename}"><xsl:value-of select="name"/></a></li>
        </xsl:for-each>
      </ul>
    </td>
  </tr>
</xsl:for-each>
</table>
```
"*.{js,ts}": "eslint"
},
"devDependencies": {
  "@babel/core": "^7.14.0",
  "@babel/preset-env": "^7.14.1",
  "@babel/preset-typescript": "^7.13.0",
  "@rollup/plugin-babel": "^5.3.0",
  "@rollup/plugin-node-resolve": "^13.0.0",
  "@types/chai": "^4.2.18",
  "@types/mocha": "^8.2.2",
  "@typescript-eslint/eslint-plugin": "^4.8.2",
  "@typescript-eslint/parser": "^4.8.2",
  "babel-eslint": "^10.1.0",
  "chai": "^4.3.4",
  "eslint": "^7.14.0",
  "eslint-config-standard-kit": "0.15.1",
  "eslint-plugin-flowtype": "^5.2.0",
  "eslint-plugin-import": "^2.22.1",
  "eslint-plugin-prettier": "^3.1.4",
  "eslint-plugin-promise": "^4.2.1",
  "eslint-plugin-simple-import-sort": "^6.0.1",
  "husky": "^6.0.0",
  "lint-staged": "^10.5.3",
  "mocha": "^8.4.0",
  "npm-run-all": "^4.1.5",
  "nyc": "^15.1.0",
  "prettier": "^2.2.0",
  "rimraf": "^3.0.2",
  "rollup": "^2.47.0",
  "rollup-plugin filesize": "^9.1.1",
  "rollup-plugin-flow-entry": "^0.3.5",
  "rollup-plugin-mjs-entry": "^0.1.1",
  "sucrase": "^3.18.1",
  "typescript": "^4.1.2"
}
}

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# [Font Awesome v4.3.0](http://fontawesome.io)
### The iconic font and CSS framework

Font Awesome is a full suite of 519 pictographic icons for easy scalable vector graphics on websites,
created and maintained by [Dave Gandy](http://twitter.com/davegandy).
Stay up to date with the latest release and announcements on Twitter:
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Get started at http://fontawesome.io!

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## Changelog
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.2 - much improved rendering and alignment in IE7
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- [v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- [v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- [v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- [v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- [v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- [v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- [v4.0.3 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=9&page=1&state=closed)
- [v4.1.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=6&page=1&state=closed)
- [v4.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=12&page=1&state=closed)
- [v4.3.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.3.0+is%3Aclosed)

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:

`<major>.<minor>.<patch>`

And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes and misc changes bumps the patch

For more information on SemVer, please visit [http://semver.org](http://semver.org).

## Author

- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component
To include as a [component](http://github.com/component/component), just run

```
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```

to the `dependencies` in your `component.json`.

## Hacking on Font Awesome

From the root of the repository, install the tools used to develop.

```
$ bundle install
$ npm install
```

Build the project and documentation:

```
$ bundle exec jekyll build
```

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

```
$ bundle exec jekyll -w serve
```

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